



The *bidi Package*

Source documentation for version 40.4

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/xepersian/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The *bid* Package

Bidirectional typesetting in plain $\text{T}_{\text{E}}\text{X}$ and $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$,
using $\text{X}_{\text{e}}\text{T}_{\text{E}}\text{X}$ engine

Source documentation for [version 40.4](#)

Vafa Khalighi*

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*Thanks to the `bid`-tex GitHub organization consisted of David Carlisle and other members of the $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ team for maintaining the package in the period 2018–2020.

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1 File amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for
2 \def\@tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\advspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection    {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern1\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern1\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefntext{%
46       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}}
47
48 \long\def\@RTLfootnotetext#1{%
49   \insert\footins{%
50     \@RTLtrue%
51     \reset@font%
52     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
```



```

53 \interlinepenalty\interfootnotelinepenalty
54 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55 \floatingpenalty\@MM \hsize\columnwidth
56 \@parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58   \csname p@footnote\endcsname\@thefnmark}%
59 \@makefntext{%
60   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65   \insert\footins{%
66     \RTLfalse%
67     \reset@font%
68     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69     \interlinepenalty\interfootnotelinepenalty
70     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71     \floatingpenalty\@MM \hsize\columnwidth
72     \@parboxrestore \parindent\normalparindent \sloppy
73     \protected@edef\@currentlabel{%
74       \csname p@footnote\endcsname\@thefnmark}%
75     \@makefntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode\.=\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99   \columnseprule\z@ \columnsep 35\p@
100   \@indextitlestyle
101   \thispagestyle{plain}%
102   \let\item\@idxitem
103   \parindent\z@ \parskip\z@\@plus.3\p@\relax
104   \ifRTL\raggedleft\else\raggedright\fi
105   \hyphenpenalty\@M
106   \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111   \@topnum\z@ % this prevents figures from falling at the top of page 1
112   \@setcopyright
113   \thispagestyle{firstpage}% this sets first page specifications
114   \uppercase\nonmath\shorttitle
115   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116   \else \andify\shortauthors
117   \fi
118   \@maketitle@hook
119   \begingroup
120   \@maketitle
121   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
122   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123   \edef\@tempa{%
124     \@nx\markboth{\the\toks4
125       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126   \@tempa
127   \endgroup
128   \c@footnote\z@
129   \@cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol]
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133   \def\@tempa{#2}%
134   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135   \def\@tempa{#3}%
136   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137   \ifnum\col@number<\@ne
138     \PackageWarning{adjmulticol}%
139     {Using `\

```




```

158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\@ajmult@cols{\@ajmult@cols[]}]
164 \let\@ajmc@page@sofar@orig=\page@sofar

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e
166 \expandafter\ifx\c@algotcf@within\endcsname\relax% if \algotcf@within doesn't exist
167 \else%
168 \renewcommand\thealgotcf{\c@algotcf@within\endcsname\@SepMark\@arabic\c@algotcf}%
169 \fi
170 \@ifpackageloaded{color}{}{%
171 \bidi@patchcmd{\@algotcf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algotcf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algotcf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class fo
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\c@tocindent\number#1\endcsname\relax
204 }{%
205 \@tempdima#4\relax

```



```

206 }%
207 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else
208 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern1\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern1\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefntext{%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \@RTLfalse%
269 \reset@font%
270 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\MM \hsize\columnwidth
274 \parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
290 \ifRTL\ifLTRbibitens\@RTLfalse\else\fi\else\ifRTLbibitens\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode\.\=@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\exp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par

```



```

314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\@thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package]
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \@ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \@ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \exp\xdef\csname the#2\endcsname{%
334         \exp\nx\csname the#3\endcsname \nx\@SepMark\nx#1{#2}}}%
335 }
336 \def\tagform@#1{\maketag@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italic
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341     \place@tag
342 }-{}-}
343

```

6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package]
345 \def\textdef@#1#2#3\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}

```

7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for]
350 \def\@thmcountersep{\@SepMark}

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2024/12/10 v0.5 bidi adaptations for array package for]
352 \def\@testpach{\@chclass
353 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354 \ifnum \@lastchclass=7 5 \else
355 \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if \@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@ \else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi
380 \UseTaggingSocket{tbl/hmode/begin}%
381 $\col@sep\tabcolsep \let\d@llarbegin\beginR
382 \let\d@llarend\endR
383 \@tabarray}
384 \def\endtabular{\endarray\m@th $
385 \UseTaggingSocket{tbl/hmode/end}%
386 \if@RTLtab\endR\fi\egroup
387 }
388 \expandafter\let\csname endtabular*\endcsname=\endtabular
389 \ExplSyntaxOn
390 \def\@array[#1]#2{
391 \@tempdima \ht \strutbox
392 \advance \@tempdima by\extrarowheight
393 \setbox \@arstrutbox \hbox{\vrule
394 \@height \arraystretch \@tempdima
395 \@depth \arraystretch \dp \strutbox
396 \@width \z@}%
397 \tbl_save_outer_table_cols:
398 \beginR
399 \mkpream{#2}%
400 \tbl_count_table_cols:
401 \xdef\@preamble{
402 \noexpand \ar@ialign
403 \@halignto
404 \bgroup \@arstrut
405 \UseTaggingSocket{tbl/row/begin}
406 \tbl_init_cell_data_for_row:
407 \@preamble
408 \tabskip \z@ \cr}
409 \endR

```



```

410 \@arrayleft
411 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
412 \bgroup
413 \let \@sharp ##\let \protect \relax
414 \lineskip \z@
415 \baselineskip \z@
416 \mathsurround \z@
417 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
418 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
419 \UseTaggingSocket{tbl/init}
420 \@preamble
421 }
422 \ExplSyntaxOff
423 \let\@array\array
424 \ExplSyntaxOn
425 \def\endarray {
426 \tbl_crcr:n{endarray} \egroup
427 \UseTaggingSocket{tbl/finalize}
428 \tbl_restore_outer_cell_data:
429 \if@RTLtab\egroup\endR\egroup\fi
430 \egroup
431 \@arrayright \gdef\@preamble{}%
432 }
433 \ExplSyntaxOff
434 \def\array{\col@sep\arraycolsep
435 \def\d@llarbegin{${}\let\d@llarend\d@llarbegin\def\@halignto{}}%
436 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

437 \ProvidesFile{article-xetex-bidi.def}[2024/12/07 v0.7 bidi adaptations for standard article]
438 \if@titlepage
439 \renewcommand\maketitle{\begin{titlepage}%
440 \let\footnotesize\small
441 \let\right@footnoterule\relax
442 \let\left@footnoterule\relax
443 \let\textwidth@footnoterule\relax
444 \let \footnote \thanks
445 \let \LTRfootnote \LTRthanks
446 \let \RTLfootnote \RTLthanks
447 \null\vfil
448 \vskip 60\p@
449 \begin{center}%
450 {\LARGE \@title \par}%
451 \vskip 3em%
452 {\large
453 \lineskip .75em%
454 \begin{tabular}[t]{c}%
455 \@author
456 \end{tabular}\par}%
457 \vskip 1.5em%
458 {\large \@date \par}% % Set date in \large size.
459 \end{center}\par
460 \@thanks

```



```

461 \vfil\null
462 \end{titlepage}%
463 \setcounter{footnote}{0}%
464 \global\let\thanks\relax
465 \global\let\LTRthanks\relax
466 \global\let\RTLthanks\relax
467 \global\let\maketitle\relax
468 \global\let\@thanks\@empty
469 \global\let\@author\@empty
470 \global\let\@date\@empty
471 \global\let\@title\@empty
472 \global\let\title\relax
473 \global\let\author\relax
474 \global\let\date\relax
475 \global\let\and\relax
476 }
477 \else
478 \renewcommand\maketitle{\par
479 \begingroup
480 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
481 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
482 \long\def\@makefntext##1{\parindent 1em\noindent
483 \hb@xt@1.8em{%
484 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
485 \iftwocolumn
486 \ifnum \col@number=\@one
487 \@maketitle
488 \else
489 \twocolumn[\@maketitle]%
490 \fi
491 \else
492 \newpage
493 \global\@topnum\z@ % Prevents figures from going at top of page.
494 \@maketitle
495 \fi
496 \thispagestyle{plain}\@thanks
497 \endgroup
498 \setcounter{footnote}{0}%
499 \global\let\thanks\relax
500 \global\let\LTRthanks\relax
501 \global\let\RTLthanks\relax
502 \global\let\maketitle\relax
503 \global\let\@maketitle\relax
504 \global\let\@thanks\@empty
505 \global\let\@author\@empty
506 \global\let\@date\@empty
507 \global\let\@title\@empty
508 \global\let\title\relax
509 \global\let\author\relax
510 \global\let\date\relax
511 \global\let\and\relax
512 }
513 \def\@maketitle{%
514 \newpage

```



```

515 \null
516 \vskip 2em%
517 \begin{center}%
518 \let \footnote \thanks
519 \let \LTRfootnote \LTRthanks
520 \let \RTLfootnote \RTLthanks
521 {\LARGE \@title \par}%
522 \vskip 1.5em%
523 {\large
524 \lineskip .5em%
525 \begin{tabular}[t]{c}%
526 \author
527 \end{tabular}\par}%
528 \vskip 1em%
529 {\large \@date}%
530 \end{center}%
531 \par
532 \vskip 1.5em}
533 \fi
534 \renewcommand*\l@part[2]{%
535 \ifnum \c@tocdepth >-2\relax
536 \addpenalty\@secpenalty
537 \addvspace{2.25em \@plus\p@}%
538 \setlength\@tempdima{3em}%
539 \begingroup
540 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
541 \parfillskip -\@pnumwidth
542 {\leavevmode
543 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
544 \nobreak
545 \if@compatibility
546 \global\@nobreaktrue
547 \everypar{\global\@nobreakfalse\everypar{}}%
548 \fi
549 \endgroup
550 \fi}
551 \renewcommand*\l@section[2]{%
552 \ifnum \c@tocdepth >\z@
553 \addpenalty\@secpenalty
554 \addvspace{1.0em \@plus\p@}%
555 \setlength\@tempdima{1.5em}%
556 \begingroup
557 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
558 \parfillskip -\@pnumwidth
559 \leavevmode \bfseries
560 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
561 \hskip -\if@RTL\rightskip\else\leftskip\fi
562 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
563 \endgroup
564 \fi}
565 \renewcommand\left@footnoterule{%
566 \kern-3\p@
567 \hrule\@width.4\columnwidth
568 \kern2.6\p@}

```




```

569 \renewcommand\right@footnoterule{%
570   \kern-3\p@
571   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
572   \kern2.6\p@}
573 \renewcommand\thesubsection   {\thesection\@SepMark\@arabic\c@subsection}
574 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
575 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\c@paragraph}
576 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
577 \def\@part[#1]#2{%
578   \ifnum \c@secnumdepth >\m@ne
579     \refstepcounter{part}%
580     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
581   \else
582     \addcontentsline{toc}{part}{#1}%
583   \fi
584   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
585    \interlinepenalty \@M
586    \normalfont
587    \ifnum \c@secnumdepth >\m@ne
588      \Large\bfseries \partname\nobreakspace\thepart
589      \par\nobreak
590    \fi
591    \huge \bfseries #2%
592    \markboth{}{\par}%
593    \nobreak
594    \vskip 3ex
595    \@afterheading}
596 \bidi@patchcmd\@spart\raggedright{%
597   \if@RTL\raggedleft\else\raggedright\fi
598 }{\bidi@warningnoline{Oops! patching `string\@spart' failed}}
599 \renewenvironment{thebibliography}[1]
600   {\section*{\refname}%
601    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
602    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
603    \bidi@thebibliography@font@hook%
604    \list{\@biblabel{\@arabic\c@enumiv}}%
605         {\settowidth\labelwidth{\@biblabel{#1}}%
606          \leftmargin\labelwidth
607          \advance\leftmargin\labelsep
608          \@openbib@code
609          \usecounter{enumiv}%
610          \let\p@enumiv\@empty
611          \renewcommand\theenumiv{\@arabic\c@enumiv}}%
612   \sloppy
613   \clubpenalty4000
614   \@clubpenalty \clubpenalty
615   \widowpenalty4000%
616   \sfcode`. \@m}
617   {\def\@noitemerr
618    {\@latex@warning{Empty `thebibliography' environment}}%
619   \endlist}
620 \renewenvironment{theindex}
621   {\if@twocolumn
622    \@restonecolfalse

```



```

623         \else
624         \@restonecoltrue
625         \fi
626         \columnseprule \z@
627         \columnsep 35\p@
628         \twocolumn[\section*{\indexname}]%
629         \@mkboth{\MakeUppercase\indexname}%
630         {\MakeUppercase\indexname}%
631         \thispagestyle{plain}\parindent\z@
632         \parskip\z@ \@plus .3\p@\relax
633         \let\item\@idxitem}
634     {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

635 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class
636 \renewenvironment{theindex}{%
637     \if@twocolumn
638     \@restonecolfalse
639     \else
640     \@restonecoltrue
641     \fi
642     \columnseprule \z@
643     \columnsep 35\p@
644     \twocolumn[\section*{\indexname}]%
645     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
646     \thispagestyle{plain}\parindent\z@
647     \parskip\z@ \@plus .3\p@\relax
648     \let\item\@idxitem
649 }{%
650 \if@restonecol\onecolumn\else\clearpage\fi}
651 \renewcommand*{\head@style}{%
652     \interlinepenalty \@M
653     \hyphenpenalty=\@M \exhyphenpenalty=\@M
654     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
655 \if@titlepage
656 \renewenvironment{abstract}{%
657     \titlepage
658     \null\vfil
659     \section*{\SectFont\abstractname}
660     \noindent\ignorespaces}
661     {\par\vfil\null\endtitlepage}
662 \else
663 \renewenvironment{abstract}{%
664     \if@twocolumn
665     \section*{\abstractname}%
666     \else
667     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
668     \section*{\small\SectFont\abstractname}%
669     \noindent\ignorespaces
670     \fi}
671     {\if@twocolumn\else\par\egroup\fi}
672 \fi
673 \renewcommand*{\@regtocline[3]}{%

```



```

674 \ifnum #1>\c@tocdepth
675 \else
676 \vskip\z@\@plus.2\p@
677 {\hangindent\z@ \afterindenttrue \interlinepenalty\M
678 \if@RTL\righskip\else\leftskip\fi\unitindent
679 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
680 \parfillskip\z@
681 \@tempdima\unitindent
682 \parindent\z@
683 \leavevmode
684 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
685 \hskip 1em \nobreak{\slshape #3}\par
686 }%
687 \fi}
688 \if@oldtoc
689 \renewcommand*\l@part[2]{%
690 \ifnum \c@tocdepth >-2\relax
691 \addpenalty\@secpenalty
692 \addvspace{2.25em \@plus\p@}%
693 \begingroup
694 \setlength\@tempdima{3em}%
695 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
696 \parfillskip -\@pnumwidth
697 {\leavevmode
698 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
699 \nobreak
700 \if@compatibility
701 \global\@nobreaktrue
702 \everypar{\global\@nobreakfalse\everypar{}}%
703 \fi
704 \endgroup
705 \fi}
706 \else
707 \renewcommand*\l@part{%
708 \ifnum \c@tocdepth >-2\relax
709 \addpenalty\@secpenalty
710 \addvspace{2.25em \@plus \p@}%
711 \@regtocline{0}%
712 \fi}
713 \fi
714 \if@oldtoc
715 \renewcommand*\l@section[2]{%
716 \addpenalty\@secpenalty
717 \addvspace{1.0em \@plus\p@}%
718 \setlength\@tempdima{1.5em}%
719 \begingroup
720 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
721 \parfillskip -\@pnumwidth
722 \leavevmode \bfseries
723 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
724 \hskip -\if@RTL\righskip\else\leftskip\fi
725 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
726 \endgroup}
727 \else

```



```

728 \renewcommand*\l@section{\@regtocline{1}}
729 \fi
730 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
731 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
732 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
733 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
734 \renewenvironment{thebibliography}[1]
735   {\section*\refname}%
736   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
737   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
738   \bidi@thebibliography@font@hook%
739   \list{\@biblabel{\@arabic\c@enumiv}}%
740     {\settowidth\labelwidth{\@biblabel{#1}}%
741     \leftmargin\labelwidth
742     \advance\leftmargin\labelsep
743     \@openbib@code
744     \usecounter{enumiv}%
745     \let\p@enumiv\@empty
746     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
747   \sloppy\clubpenalty4000\widowpenalty4000%
748   \sfcode`. \.\@M}
749   {\def\@noitemerr
750     {\@latex@warning{Empty `thebibliography' environment}}%
751     \endlist}
752 \renewcommand*\left@footnoterule{%
753   \kern-3\p@
754   \kern.5\baselineskip
755   \hrule\@width\unitindent
756   \kern.4\baselineskip
757 }
758 \renewcommand*\right@footnoterule{%
759   \kern-3\p@
760   \kern.5\baselineskip
761   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
762   \kern.4\baselineskip}
763 \if@titlepage
764 \renewcommand*\TitleFont{\rmfamily}
765 \renewcommand*\maketitle{%
766   \begin{titlepage}%
767     \let\footnotesize\small
768     \let\right@footnoterule\relax
769     \let\left@footnoterule\relax
770     \let\textwidth@footnoterule\relax
771     \let \footnote \thanks
772     \long\def\@makefnmark#1{\parindent\z@
773       \def\labelitemi{\textendash}\@revlabeltrue
774       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax #1}
775 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
776 \if@compatibility\setcounter{page}{0}\fi
777 \null\vfil
778 \vskip 60\p@
779 \begin{center}%
780   \TitleFont
781   {\LARGE \def\{\penalty -\@M}

```



```

782     \if@allcaps
783     \expandafter\uc@nothanks \@title\thanks\relax
784     \else
785     \@title
786     \fi\par}%
787 \vskip 3em%
788 {\large
789 \lineskip .75em \parindent\z@
790 \begin{tabular}[t]{c}%
791     \if@allcaps
792     \expandafter\uc@authornothanks \@author\and\relax
793     \else
794     \@author
795     \fi
796     \end{tabular}\par}%
797 \vskip 1.5em%
798 {\large
799     \if@allcaps
800     \uppercase\expandafter{\@date}%
801     \else
802     \@date
803     \fi\par}%
804 \end{center}\par
805 \@thanks
806 \vfil\null
807 \end{titlepage}%
808 \setcounter{footnote}{0}%
809 \global\let\thanks\relax
810 \global\let\maketitle\relax
811 \global\let\@thanks\@empty
812 \global\let\@author\@empty
813 \global\let\@title\@empty
814 \global\let\@date\@empty
815 \global\let\title\relax
816 \global\let\author\relax
817 \global\let\date\relax
818 \global\let\and\relax
819 }
820 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
821 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
822     \futurelet\@tempa\uc@ax}
823 \def\uc@ax{%
824     \ifx\@tempa\relax
825     \else
826     \ \andname \ \ \expandafter\uc@authornothanks
827     \fi}
828 \def\uc@tx{\ifx\@tempa\relax
829     \else \expandafter\uc@ty \fi}
830 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
831 \else
832 \renewcommand*\maketitle{\par
833     \begingroup
834     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
835     \def\@makefnmark{\rlap{%

```



```

836     \@textsuperscript{\normalfont\@thefnmark}}}%
837 \long\def\@makefntext{\@xmakefntext{%
838     \@textsuperscript{\normalfont\@thefnmark}}}%
839 \if@twocolumn
840     \ifnum \col@number=\@ne
841         \@maketitle
842     \else
843         \twocolumn[\@maketitle]%
844     \fi
845 \else
846     \newpage
847     \global\@topnum\z@
848     \@maketitle
849 \fi
850 \thispagestyle{plain}\@thanks
851 \endgroup
852 \setcounter{footnote}{0}%
853 \global\let\thanks\relax
854 \global\let\maketitle\relax
855 \global\let\@maketitle\relax
856 \global\let\@thanks\@empty
857 \global\let\@author\@empty
858 \global\let\@title\@empty
859 \global\let\@date\@empty
860 \global\let\title\relax
861 \global\let\author\relax
862 \global\let\date\relax
863 \global\let\and\relax
864 }
865 \def\@maketitle{%
866     \newpage
867     \null
868     \vskip 2em%
869     \begin{center}%
870         \let \footnote \thanks
871         {\LARGE \TitleFont \@title \par}%
872         \vskip 1.5em%
873         {\large \TitleFont
874             \lineskip .5em%
875             \begin{tabular}[t]{c}%
876                 \@author
877             \end{tabular}\par}%
878         \vskip 1em%
879         {\large \TitleFont \@date}%
880     \end{center}%
881     \par
882     \vskip 1.5em}
883 \fi

```

11 File artikel2-xetex-bidi.def

```

884 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class
885 \renewenvironment{theindex}{%
886     \if@twocolumn

```



```

887 \@restonecolfalse
888 \else
889 \@restonecoltrue
890 \fi
891 \columnseprule \z@
892 \columnsep 35\p@
893 \twocolumn[\section*{\indexname}]%
894 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
895 \thispagestyle{plain}\parindent\z@
896 \parskip\z@ \@plus .3\p@\relax
897 \let\item\@idxitem
898 }{%
899 \if@restonecol\onecolumn\else\clearpage\fi}
900 \renewcommand*\@regtocline[3]{%
901 \ifnum #1>\c@tocdepth
902 \else
903 \vskip\z@\@plus.2\p@
904 {\hangindent\z@ \@afterindenttrue \interlinepenalty\M
905 \if@RTL\righskip\else\leftskip\fi\unitindent
906 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
907 \parfillskip\z@
908 \@tempdima\unitindent
909 \advance\@tempdima by \othermargin
910 \parindent\z@
911 \leavevmode
912 \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
913 \hskip 1em \nobreak{\slshape #3}\par
914 }%
915 \fi}
916 \if@oldtoc
917 \renewcommand*\l@section[2]{%
918 \addpenalty\@secpenalty
919 \addvspace{1.0em \@plus\p@}%
920 \setlength\@tempdima{1.5em}%
921 \begingroup
922 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
923 \parfillskip -\@pnumwidth
924 \leavevmode \bfseries
925 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
926 \hskip -\if@RTL\righskip\else\leftskip\fi
927 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
928 \endgroup}
929 \else
930 \renewcommand*\l@section{\@regtocline{1}}
931 \fi
932 \if@oldtoc
933 \renewcommand*\l@part[2]{%
934 \ifnum \c@tocdepth >-2\relax
935 \addpenalty\@secpenalty
936 \addvspace{2.25em \@plus\p@}%
937 \begingroup
938 \setlength\@tempdima{3em}%
939 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
940 \parfillskip -\@pnumwidth

```



```

941     {\leavevmode
942       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
943       \nobreak
944       \if@compatibility
945         \global\nobreaktrue
946         \everypar{\global\nobreakfalse\everypar{}}%
947       \fi
948     \endgroup
949   \fi}
950 \else
951   \renewcommand*\l@part{%
952     \ifnum \c@tocdepth >-2\relax
953       \addpenalty\@secpenalty
954       \advvspace{2.25em \@plus \p@}%
955       \@regtocline{0}%
956     \fi}
957 \fi
958 \renewcommand*\head@style{%
959   \interlinepenalty \@M
960   \hyphenpenalty=\@M \exhyphenpenalty=\@M
961   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
962 \if@titlepage
963   \renewenvironment{abstract}{%
964     \titlepage
965     \null\vfil
966     \section*\{SectFont\abstractname}%
967     \noindent\ignorespaces}
968   {\par\vfil\null\endtitlepage}
969 \else
970   \renewenvironment{abstract}{%
971     \if@twocolumn
972       \section*\{abstractname}%
973     \else
974       \section*\{hskip\unitindent\small\SectFont\abstractname}%
975       \list{}{\setlength\listparindent{\unitindent}%
976         \setlength\parindent {\z@}%
977         \setlength\leftmargin {\unitindent}%
978         \setlength\rightmargin {\unitindent}%
979         \setlength\parsep {\z@}}%
980       \item[]%
981     \fi}
982   {\if@twocolumn\else\par\endlist\fi}
983 \fi
984 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
985 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
986 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
987 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
988 \renewcommand*\left@footnoterule{%
989   \kern-3\p@
990   \hrule\@width 3\unitindent
991   \kern 2.6\p@
992 }
993 \renewcommand*\right@footnoterule{%
994   \kern-3\p@

```




```

995 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
996 \kern 2.6\p@}
997 \renewenvironment{thebibliography}[1]
998   {\section*{\refname}%
999   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1000   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1001   \bidi@thebibliography@font@hook%
1002   \list{\@biblabel{\@arabic\c@enumiv}}%
1003     {\settowidth\labelwidth{\@biblabel{#1}}%
1004     \leftmargin\labelwidth
1005     \advance\leftmargin\labelsep
1006     \@openbib@code
1007     \usecounter{enumiv}%
1008     \let\p@enumiv\@empty
1009     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1010   \sloppy\clubpenalty4000\widowpenalty4000%
1011   \sfcode`. \m}
1012   {\def\@noitemerr
1013     {\@latex@warning{Empty `thebibliography' environment}}%
1014   \endlist}
1015 \if@titlepage
1016 \renewcommand*\TitleFont{\rmfamily}
1017 \renewcommand*\maketitle{%
1018   \begin{titlepage}%
1019     \let\footnotesize\small
1020     \let\right@footnoterule\relax
1021     \let\left@footnoterule\relax
1022     \let\textwidth@footnoterule\relax
1023     \let \footnote \thanks
1024     \long\def\@makefnmark##1{\parindent\z@
1025       \def\labelitemi{\textendash}\@revlabeltrue
1026       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1027     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1028     \if@compatibility\setcounter{page}{0}\fi
1029     \null\vfil
1030     \vskip 60\p@
1031     \begin{center}%
1032       \TitleFont
1033       {\LARGE \def\{\penalty -\m}
1034       \if@allcaps
1035         \expandafter\uc@nothanks\@title\thanks\relax
1036       \else
1037         \@title
1038       \fi\par}%
1039     \vskip 3em%
1040     {\large
1041     \lineskip .75em \parindent\z@
1042     \begin{tabular}[t]{c}%
1043       \if@allcaps
1044         \expandafter\uc@authornothanks\@author\and\relax
1045       \else
1046         \@author
1047       \fi
1048     \end{tabular}\par}%

```



```

1049     \vskip 1.5em%
1050     {\large
1051     \if@allcaps
1052     \uppercase\expandafter{\@date}%
1053     \else
1054     \@date
1055     \fi\par}%
1056     \end{center}\par
1057     \@thanks
1058     \vfil\null
1059 \end{titlepage}%
1060 \setcounter{footnote}{0}%
1061 \global\let\thanks\relax
1062 \global\let\maketitle\relax
1063 \global\let\@thanks\@empty
1064 \global\let\@author\@empty
1065 \global\let\@title\@empty
1066 \global\let\@date\@empty
1067 \global\let\title\relax
1068 \global\let\author\relax
1069 \global\let\date\relax
1070 \global\let\and\relax
1071 }
1072 \def\@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\@c@tx}
1073 \def\@authornothanks#1\and{\@nothanks#1\thanks\relax
1074     \futurelet\@tempa\@c@ax}
1075 \def\@c@ax{%
1076     \ifx\@tempa\relax
1077     \else
1078     \ \andname \ \ \expandafter\@authornothanks
1079     \fi}
1080 \def\@c@tx{\ifx\@tempa\relax
1081     \else \expandafter\@c@ty \fi}
1082 \def\@c@ty#1{\thanks{#1}\@nothanks}
1083 \else
1084 \renewcommand*\maketitle{\par
1085     \begingroup
1086     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1087     \long\def\@makefnmark{\parindent\z@
1088     \def\labelitemi{\textendash}%
1089     \leavevmode\hb@xt@.5\unitindent{%
1090     \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1091     \iftwocolumn
1092     \ifnum \col@number=\@ne
1093     \maketitle
1094     \else
1095     \twocolumn[\maketitle]%
1096     \fi
1097     \else
1098     \newpage
1099     \global\@topnum\z@
1100     \maketitle
1101     \fi
1102     \thispagestyle{plain}\@thanks

```



```

1103 \endgroup
1104 \setcounter{footnote}{0}%
1105 \global\let\thanks\relax
1106 \global\let\maketitle\relax
1107 \global\let\@maketitle\relax
1108 \global\let\@thanks\@empty
1109 \global\let\@author\@empty
1110 \global\let\@title\@empty
1111 \global\let\@date\@empty
1112 \global\let\title\relax
1113 \global\let\author\relax
1114 \global\let\date\relax
1115 \global\let\and\relax
1116 }
1117 \def\@maketitle{%
1118 \newpage
1119 \null
1120 \vskip 2em%
1121 \begin{center}%
1122 \let \footnote \thanks
1123 {\LARGE \TitleFont \@title \par}%
1124 \vskip 1.5em%
1125 {\large \TitleFont
1126 \lineskip .5em%
1127 \begin{tabular}[t]{c}%
1128 \@author
1129 \end{tabular}\par}%
1130 \vskip 1em%
1131 {\large \TitleFont \@date}%
1132 \end{center}%
1133 \par
1134 \vskip 1.5em}
1135 \fi

```

12 File artikel3-xetex-bidi.def

```

1136 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class
1137 \renewenvironment{theindex}{%
1138 \if@twocolumn
1139 \@restonecolfalse
1140 \else
1141 \@restonecoltrue
1142 \fi
1143 \columnseprule \z@
1144 \columnsep 35\p@
1145 \twocolumn[\section*{\indexname}]%
1146 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1147 \thispagestyle{plain}\parindent\z@
1148 \parskip\z@ \@plus .3\p@\relax
1149 \let\item\@idxitem
1150 }{%
1151 \if@restonecol\onecolumn\else\clearpage\fi}
1152 \renewcommand*{\head@style}{%
1153 \interlinepenalty \@M

```



```

1154 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1155 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1156 \renewcommand*\@regtocline[3]{%
1157 \ifnum #1>\c@tocdepth
1158 \else
1159 \vskip\z@\@plus.2\p@
1160 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
1161 \if@RTL\rightskip\else\leftskip\fi\unitindent
1162 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1163 \parfillskip\z@
1164 \@tempdima\unitindent
1165 \parindent\z@
1166 \leavevmode
1167 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1168 \hskip 1em \nobreak{\slshape #3}\par
1169 }%
1170 \fi}
1171 \if@oldtoc
1172 \renewcommand*\l@part[2]{%
1173 \ifnum \c@tocdepth >-2\relax
1174 \addpenalty\@secpenalty
1175 \addvspace{2.25em \@plus\p@}%
1176 \begingroup
1177 \setlength\@tempdima{3em}%
1178 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1179 \parfillskip -\@pnumwidth
1180 {\leavevmode
1181 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1182 \nobreak
1183 \if@compatibility
1184 \global\@nobreaktrue
1185 \everypar{\global\@nobreakfalse\everypar{}}%
1186 \fi
1187 \endgroup
1188 \fi}
1189 \else
1190 \renewcommand*\l@part{%
1191 \ifnum \c@tocdepth >-2\relax
1192 \addpenalty\@secpenalty
1193 \addvspace{2.25em \@plus\p@}%
1194 \@regtocline{0}%
1195 \fi}
1196 \fi
1197
1198 \if@oldtoc
1199 \renewcommand*\l@section[2]{%
1200 \addpenalty\@secpenalty
1201 \addvspace{1.0em \@plus\p@}%
1202 \setlength\@tempdima{1.5em}%
1203 \begingroup
1204 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1205 \parfillskip -\@pnumwidth
1206 \leavevmode \bfseries
1207 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

1208 \hskip -\if@RTL\righskip\else\leftskip\fi
1209 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1210 \endgroup}
1211 \else
1212 \renewcommand*\l@section{\@regtocline{1}}
1213 \fi
1214 \if@titlepage
1215 \renewenvironment{abstract}{%
1216 \titlepage
1217 \null\vfil
1218 \section*\SectFont\abstractname}%
1219 \noindent\ignorespaces
1220 {\par\vfil\null\endtitlepage}
1221 \else
1222 \renewenvironment{abstract}{%
1223 \if@twocolumn
1224 \section*\abstractname}%
1225 \else
1226 \bgroup\if@RTL\leftskip\else\righskip\fi=\unitindent
1227 \section*\small\SectFont\abstractname}%
1228 \noindent\ignorespaces
1229 \fi}
1230 {\if@twocolumn\else\par\egroup\fi}
1231 \fi
1232 \renewcommand*\left@footnoterule{%
1233 \kern-3\p@
1234 \kern.5\baselineskip
1235 \hrule\@width\unitindent
1236 \kern.4\baselineskip
1237 }
1238 \renewcommand*\right@footnoterule{%
1239 \kern-3\p@
1240 \kern.5\baselineskip
1241 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1242 \kern.4\baselineskip}
1243 \renewcommand*\thesubsection{\thesubsection\@SepMark\@arabic\c@subsection}
1244 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1245 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1246 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1247 \renewenvironment{thebibliography}[1]
1248 {\section*\refname}%
1249 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1250 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1251 \bidi@thebibliography@font@hook%
1252 \list{\@biblabel{\@arabic\c@enumiv}}%
1253 {\settowidth\labelwidth{\@biblabel{#1}}%
1254 \leftmargin\labelwidth
1255 \advance\leftmargin\labelsep
1256 \@openbib@code
1257 \usecounter{enumiv}%
1258 \let\p@enumiv\@empty
1259 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1260 \sloppy\clubpenalty4000\widowpenalty4000%
1261 \sfcode\.\@m}

```



```

1262     {\def\@noitemerr
1263       {\@latex@warning{Empty `thebibliography' environment}}}%
1264     \endlist}
1265 \if@titlepage
1266 \renewcommand*\TitleFont{\rmfamily}
1267 \renewcommand*\maketitle{%
1268   \begin{titlepage}%
1269     \let\footnotesize\small
1270     \let\right@footnoterule\relax
1271     \let\left@footnoterule\relax
1272     \let\textwidth@footnoterule\relax
1273     \let \footnote \thanks
1274     \long\def\@makefn#1{\parindent\z@
1275       \def\labelitemi{\textendash}\@revlabeltrue
1276       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax #1}
1277 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1278 \if@compatibility\setcounter{page}{0}\fi
1279 \null\vfil
1280 \vskip 60\p@
1281 \begin{center}%
1282   \TitleFont
1283   {\LARGE \def\\{\penalty -\@M}
1284     \if@allcaps
1285       \expandafter\uc@nothanks\@title\thanks\relax
1286     \else
1287       \@title
1288     \fi\par}%
1289   \vskip 3em%
1290   {\large
1291     \lineskip .75em \parindent\z@
1292     \begin{tabular}[t]{c}%
1293       \if@allcaps
1294         \expandafter\uc@authornothanks\@author\and\relax
1295       \else
1296         \@author
1297       \fi
1298     \end{tabular}\par}%
1299   \vskip 1.5em%
1300   {\large
1301     \if@allcaps
1302       \uppercase\expandafter{\@date}%
1303     \else
1304       \@date
1305     \fi\par}%
1306   \end{center}\par
1307   \@thanks
1308   \vfil\null
1309 \end{titlepage}%
1310 \setcounter{footnote}{0}%
1311 \global\let\thanks\relax
1312 \global\let\maketitle\relax
1313 \global\let\@thanks\@empty
1314 \global\let\@author\@empty
1315 \global\let\@title\@empty

```



```

1316 \global\let\@date\@empty
1317 \global\let\title\relax
1318 \global\let\author\relax
1319 \global\let\date\relax
1320 \global\let\and\relax
1321 }
1322 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1323 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1324 \futurelet\@tempa\uc@ax}
1325 \def\uc@ax{%
1326 \ifx\@tempa\relax
1327 \else
1328 \ \andname \ \expandafter\uc@authornothanks
1329 \fi}
1330 \def\uc@tx{\ifx\@tempa\relax
1331 \else \expandafter\uc@ty \fi}
1332 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1333 \else
1334 \renewcommand*\maketitle{\par
1335 \begingroup
1336 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1337 \def\@makefnmark{\rlap{%
1338 \textsuperscript{\normalfont\@thefnmark}}}%
1339 \long\def\@makefntext{\@xmakefntext{%
1340 \textsuperscript{\normalfont\@thefnmark}}}%
1341 \iftwocolumn
1342 \ifnum \col@number=\@ne
1343 \maketitle
1344 \else
1345 \twocolumn[\maketitle]%
1346 \fi
1347 \else
1348 \newpage
1349 \global\@topnum\z@
1350 \maketitle
1351 \fi
1352 \thispagestyle{plain}\@thanks
1353 \endgroup
1354 \setcounter{footnote}{0}%
1355 \global\let\thanks\relax
1356 \global\let\maketitle\relax
1357 \global\let\@maketitle\relax
1358 \global\let\@thanks\@empty
1359 \global\let\@author\@empty
1360 \global\let\@title\@empty
1361 \global\let\@date\@empty
1362 \global\let\title\relax
1363 \global\let\author\relax
1364 \global\let\date\relax
1365 \global\let\and\relax
1366 }
1367 \def\@maketitle{%
1368 \newpage
1369 \null

```



```

1370 \vskip 2em%
1371 \if@titlecentered
1372 \begin{center}%
1373 \let \footnote \thanks
1374 {\LARGE \TitleFont \@title \par}%
1375 \vskip 1.5em%
1376 {\large \TitleFont
1377 \lineskip .5em%
1378 \begin{tabular}[t]{c}%
1379 \author
1380 \end{tabular}\par}%
1381 \vskip 1em%
1382 {\large \TitleFont \@date}%
1383 \end{center}%
1384 \else
1385 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1386 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1387 \def\and{%% \begin{tabular} has already started
1388 \end{tabular}\hskip 1em plus .17fil
1389 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tab
1390 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}\author\end{tabular}
1391 \vskip 1em {\large \TitleFont \@date}
1392 \fi
1393 \par
1394 \vskip 1.5em}
1395 \fi

```

13 File arydshln-xetex-bidi.def

```

1396 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1397 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1398 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1399 \expandafter\let\csname endtabular*\endcsname\endtabular
1400 \let\adl@array\@array
1401 \def\@array{\adl@everyvbox\everyvbox
1402 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1403 \ifadl@inactive \adl@inactive \else \adl@activate \fi
1404 \let\adl@noalign\noalign
1405 \adl@array}
1406 \ifadl@usingarypkg
1407 \def\@testpach{\@chclass
1408 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1409 \ifnum \@lastchclass=7 5 \else
1410 \ifnum \@lastchclass=8 \tw@ \else
1411 \ifnum \@lastchclass=9 \thr@@
1412 \else \z@
1413 \ifnum \@lastchclass = 10 \else
1414 \edef\@nextchar{\expandafter\string\@nextchar}%
1415 \@chnum
1416 \if \@nextchar c\z@ \else
1417 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1418 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1419 \z@ \@chclass
1420 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```




```

1421 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1422 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1423 \if \@nextchar !6 \else
1424 \if \@nextchar 07 \else
1425 \if \@nextchar <8 \else
1426 \if \@nextchar >9 \else
1427 10
1428 \@chnum
1429 \if \@nextchar m\thr@@\else
1430 \if \@nextchar p4 \else
1431 \if \@nextchar b5 \else
1432 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1433 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1434
1435 \def\@classz{\@classx
1436 \@tempcnta \count@
1437 \prepnext@tok
1438 \@addtopreamble{\ifcase \@chnum
1439 \hfil
1440 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1441 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1442 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1443 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1444 \adl@endmbox\or
1445 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1446 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1447 \fi}\prepnext@tok}
1448 \def\adl@classstart{4}
1449 \def\adl@class@iiiorvii{7}
1450
1451 \else
1452 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1453 \ifnum \@lastchclass=\thr@@ 5\relax \else
1454 \z@ \if #1c\@chnum \z@ \else
1455 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1456 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1457 \@chclass
1458 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1459 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1460 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1461 \if #1@\tw@ \else
1462 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1463 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1464
1465 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1466 \or \or \addamp \or
1467 \@acolampacol \or \@firstampfalse \@acol \fi
1468 \edef\@preamble{\@preamble
1469 \ifcase \@chnum
1470 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1471 \or \adl@putlrc{\$relax\@sharp$}\hfil
1472 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1473 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1474 \or \or \addamp \or

```



```

1475         \@acolampacol \or \@firstampfalse \@acol \fi
1476     \edef\@preamble{\@preamble
1477     \ifcase \@chnum
1478         \hfil\adl@putlrc{\@sharp\unskip}\hfil
1479         \or \adl@putlrc{\@sharp\unskip}\hfil
1480         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1481 \def\adl@class@start{6}
1482 \def\adl@class@iiiorvii{3}
1483 \fi
1484 \@ifpackageloaded{colortbl}{%
1485 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1486 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1487     \let\@endpbox\adl@org@endpbox}
1488 \let\adl@CT@setup\CT@setup
1489 \def\CT@setup{\adl@CT@setup
1490     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1491     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1492     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1493 \let\adl@act@CT@setup\CT@setup
1494 \def\@classz{\@classx
1495     \@tempcnta\count@ \prepnext@tok
1496     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1497     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1498     \expandafter\adl@extract@drsc
1499         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1500     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1501     \@addtopreamble{\if@RTL\beginL\fi%
1502         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1503         \ifcase \@chnum
1504             \hskip\stretch{.5}\kern\z@
1505             \d@llarbegin
1506             \insert@column
1507             \d@llarend\hskip\stretch{.5}%
1508         \or \d@llarbegin \insert@column \d@llarend \hfill
1509         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1510         \or $\vcenter
1511             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1512         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1513         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1514         \fi
1515         \if@RTL\endR\fi\egroup\egroup
1516     \begingroup
1517         \CT@setup
1518         \CT@column@color
1519         \CT@row@color
1520         \CT@cell@color
1521         \CT@do@color
1522     \endgroup
1523     \@tempdima\ht\z@
1524     \advance\@tempdima\minrowclearance
1525     \vrule\@height\@tempdima\@width\z@
1526     \unhbox\z@\if@RTL\endL\fi}%
1527     \prepnext@tok}
1528 \let\adl@act@classz\@classz

```



```
1529 \let\adl@org@classz \@classz
1530 }{}
```

14 File beamer-xetex-bidi.def

```
1531 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for
1532 \AtBeginDocument{%
1533   \if@RTLmain
1534     \raggedleft
1535   \else
1536     \raggedright
1537   \fi
1538 }
1539
1540 \renewcommand*{\bidi@beamer@ragged}{%
1541   \if@RTL
1542     \raggedleft
1543   \else
1544     \raggedright
1545   \fi
1546 }
1547
1548
```

15 File beamerbaseauxtemplates-xetex-bidi.def

```
1549 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for b
1550 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1551
1552 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1553
1554 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1555
1556 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1557
1558 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1559
1560 \defbeamertemplate{subsection in toc}{sections numbered}
1561 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1562
1563 \defbeamertemplate{subsection in toc}{sections numbered}
1564 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeam
1565   \inserttocsubsection\par}
1566
1567 \defbeamertemplate{section in toc}{subsections numbered}
1568 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1569
1570 \defbeamertemplate{subsection in toc}{subsections numbered}
1571 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubs
1572
1573 \defbeamertemplate{subsection in toc}{subsections numbered}
1574 {\leavevmode\normalsize\usebeamerfont{subsection in
1575   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsection in toc}%
1576   \inserttocsubsection\par}
```



```

1577
1578 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1579
1580 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1581
1582 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1583
1584 \defbeamertemplate{section in toc}{circle}
1585 {\leavevmode\bidi@beamer@leftskip=2ex%
1586   \llap{%
1587     \usebeamerfont*{section number projected}%
1588     \usebeamercolor{section number projected}%
1589     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1590       \color{bg}
1591       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1592       \pgfusepath{fill}
1593       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1594     \end{pgfpicture}\kern1.25ex%
1595   }%
1596   \inserttocsection\par}
1597
1598 \defbeamertemplate{subsection in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1600
1601 \defbeamertemplate{subsubsection in toc}{circle}
1602 {\leavevmode\normalsize\usebeamerfont{subsection in
1603   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1604   \inserttocsubsubsection\par}
1605
1606 \bidi@csundef{beamer@@tmpop@section in toc@square}
1607
1608 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1609
1610 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1611
1612 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1613
1614 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1615
1616 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1617
1618 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1619
1620 \defbeamertemplate{section in toc}{square}
1621 {\leavevmode\bidi@beamer@leftskip=3ex%
1622   \llap{%
1623     \usebeamerfont*{section number projected}%
1624     \usebeamercolor[bg]{section number projected}%
1625     \if@RTL
1626     \else
1627       \vrule width2.25ex height1.85ex depth.4ex%
1628       \hskip-2.25ex%
1629     \fi
1630     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%

```



```

1631 \if@RTL
1632 \hskip-2.25ex%
1633 \vrule width2.25ex height1.85ex depth.4ex%
1634 \fi
1635 }\kern1.25ex}%
1636 \inserttocsection\par}
1637
1638 \defbeamertemplate{subsection in toc}{square}
1639 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1640 \usebeamercolor[bg]{subsection number projected}%
1641 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1642
1643 \defbeamertemplate{subsubsection in toc}{square}
1644 {\leavevmode\normalsize\usebeamerfont{subsection in
1645 toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1646 \llap{%
1647 \usebeamercolor[bg]{subsubsection number projected}%
1648 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1649
1650 \defbeamertemplate{enumerate item}{square}
1651 {
1652 \hbox{%
1653 \usebeamerfont*{item projected}%
1654 \usebeamercolor[bg]{item projected}%
1655 \if@RTL
1656 \else
1657 \vrule width2.25ex height1.85ex depth.4ex%
1658 \hskip-2.25ex%
1659 \fi
1660 \hbox to2.25ex{%
1661 \hfil%
1662 \color{fg}\insertenumlabel%
1663 \hfil}}%
1664 \if@RTL
1665 \hskip-2.25ex%
1666 \vrule width2.25ex height1.85ex depth.4ex%
1667 \fi
1668 }%
1669 }
1670 [action]
1671 {\setbeamerfont{item projected}{size=\scriptsize}}
1672
1673 \defbeamertemplate{enumerate subitem}{square}
1674 {
1675 \hbox{%
1676 \usebeamerfont*{subitem projected}%
1677 \usebeamercolor[bg]{subitem projected}%
1678 \if@RTL
1679 \else
1680 \vrule width2.25ex height1.85ex depth.4ex%
1681 \hskip-2.25ex%
1682 \fi
1683 \hbox to2.25ex{%
1684 \hfil%

```



```

1685     \color{fg}\insertsubenumlabel%
1686     \hfil}}%
1687     \if@RTL
1688         \hskip-2.25ex%
1689         \vrule width2.25ex height1.85ex depth.4ex%
1690     \fi
1691 }}%
1692 }
1693
1694 \defbeamertemplate{enumerate subsubitem}{square}
1695 {
1696     \hbox{%
1697         \usebeamerfont*{subitem projected}%
1698         \usebeamercolor[bg]{subsubitem projected}%
1699         \if@RTL
1700         \else
1701             \vrule width2.25ex height1.85ex depth.4ex%
1702             \hskip-2.25ex%
1703         \fi
1704         \hbox to2.25ex{%
1705             \hfil%
1706             \color{fg}\insertsubsubenumlabel%
1707             \hfil}}%
1708         \if@RTL
1709             \hskip-2.25ex%
1710             \vrule width2.25ex height1.85ex depth.4ex%
1711         \fi
1712     }}%
1713 }
1714
1715 \defbeamertemplate{enumerate mini template}{square}
1716 {
1717     \hbox{%
1718         \usebeamerfont*{\beameritemnestingprefix item projected}%
1719         \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1720         \if@RTL
1721         \else
1722             \vrule width2.25ex height1.85ex depth.4ex%
1723             \hskip-2.25ex%
1724         \fi
1725         \hbox to2.25ex{%
1726             \hfil%
1727             \color{fg}\insertenumlabel%
1728             \hfil}}%
1729         \if@RTL
1730             \hskip-2.25ex%
1731             \vrule width2.25ex height1.85ex depth.4ex%
1732         \fi
1733     }}%
1734 }
1735
1736 \bidi@csundef{beamer@tmpop@section in toc@ball unnumbered}
1737
1738 \bidi@csundef{beamer@tmpop@subsection in toc@ball unnumbered}

```



```

1739
1740 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1741
1742 \defbeamertemplate{section in toc}{ball unnumbered}
1743 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1744 \llap{%
1745 \raise0.1ex\beamer@usesphere{section number projected}{bigosphere}\kern1.25ex}%
1746 \inserttocsection\par}
1747
1748 \defbeamertemplate{subsection in toc}{ball unnumbered}
1749 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1750 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttocsub
1751
1752 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1753 {\leavevmode\normalsize\usebeamerfont{subsection in
1754 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1755 \llap{%
1756 \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsub
1757
1758 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1759
1760 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1761
1762 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1763
1764 \defbeamertemplate{section in toc}{ball}
1765 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1766 \llap{%
1767 \normalsize%
1768 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1769 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1770 \pgftext{%
1771 \usebeamerfont*{section number projected}%
1772 \usebeamerfont{section number projected}%
1773 \color{fg!90!bg}%
1774 \inserttocsectionnumber}
1775 \end{pgfpicture}%
1776 \kern1.25ex}%
1777 \inserttocsection\par
1778 }
1779 [action]
1780 {\setbeamerfont{section number projected}{size=\scriptsize}}
1781
1782 \defbeamertemplate{subsection in toc}{ball}
1783 {\leavevmode\bidi@beamer@leftskip=5ex%
1784 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigosphere}\kern1ex}%
1785 \inserttocsubsection\par%
1786 }
1787
1788 \defbeamertemplate{subsubsection in toc}{ball}
1789 {\leavevmode\normalsize\usebeamerfont{subsection in
1790 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1791 \llap{\beamer@usesphere{subsubsection number projected}{bigosphere}\kern0.75ex}%
1792 \inserttocsubsubsection\par%

```



```

1793 }
1794
1795 \bidi@csundef{beamer@tmpop@block begin@rounded}
1796
1797 \bidi@csundef{beamer@tmpop@block alerted begin@rounded}
1798
1799 \bidi@csundef{beamer@tmpop@block example begin@rounded}
1800
1801 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1802 {%
1803   \par\vskip\medskipamount%
1804   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1805     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1806     \bidi@beamer@ragged%
1807     \usebeamerfont{block body}%
1808 }
1809
1810 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1811 {%
1812   \par\vskip\medskipamount%
1813   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1814     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1815     \bidi@beamer@ragged%
1816     \usebeamerfont{block body alerted}%
1817 }%
1818
1819 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1820 {%
1821   \par\vskip\medskipamount%
1822   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1823     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1824     \bidi@beamer@ragged%
1825     \usebeamerfont{block body example}%
1826 }%
1827
1828 \bidi@csundef{beamer@tmpop@caption@caption name own line}
1829
1830 \defbeamertemplate{caption}{caption name own line}
1831 {%
1832   \begin{minipage}{\textwidth}
1833     \leavevmode
1834     \bidi@beamer@ragged
1835     {%
1836       \usebeamercolor[fg]{caption name}%
1837       \usebeamerfont*{caption name}%
1838       \insertcaptionname%
1839     }\\
1840     \insertcaption
1841   \end{minipage}
1842 }
1843

```

16 File beamerbaseboxes-xetex-bidi.def




```

1844 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbaseboxes]
1845 \renewcommand\beamerboxesrounded[2] [] {%
1846   \global\let\beamer@firstlineitemizeunskip=\relax%
1847   \vbox\bgroup%
1848   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1849   \setkeys{beamerboxes}{#1}%
1850   {%
1851     \usebeamercolor{\bmb@lower}%
1852     \globalcolorstrue%
1853     \colorlet{lower.bg}{bg}%
1854   }%
1855   {%
1856     \usebeamercolor{\bmb@upper}%
1857     \globalcolorstrue%
1858     \colorlet{upper.bg}{bg}%
1859   }%
1860   %
1861   % Typeset head
1862   %
1863   \vskip4bp
1864   \setbox\bmb@box=\hbox{%
1865     \begin{minipage}[b]{\bmb@width}%
1866       \usebeamercolor[fg]{\bmb@upper}%
1867       #2%
1868     \end{minipage}}%
1869   \ifdim\wd\bmb@box=0pt%
1870     \setbox\bmb@box=\hbox{%
1871       \ht\bmb@box=1.5pt%
1872       \bmb@prevheight=-4.5pt%
1873     \else%
1874       \wd\bmb@box=\bmb@width%
1875       \bmb@temp=\dp\bmb@box%
1876       \ifdim\bmb@temp<1.5pt%
1877         \bmb@temp=1.5pt%
1878       \fi%
1879       \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1880       \dp\bmb@box=0pt%
1881       \bmb@prevheight=\ht\bmb@box%
1882     \fi%
1883     \bmb@temp=\bmb@width%
1884     \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1885     \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1886     \hbox{%
1887       \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1888         \ifdim\wd\bmb@box=0pt%
1889           \color{lower.bg}%
1890         \else%
1891           \color{upper.bg}%
1892         \fi%
1893         \pgfpathmoveto{-4bp}{-1bp}
1894         \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1895         \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1896         \pgfpathcurveto%
1897         {\pgfpoint{\bmb@dima}{3bp}}%

```



```

1898     {\pgfpoint{\bmb@dimb}{1.2bp}}%
1899     {\pgfpoint{\bmb@dimb}{-1bp}}%
1900     \bmb@dima=-\ht\bmb@box%
1901     \advance\bmb@dima by-2pt%
1902     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1903     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1904     \pgfusepath{fill}
1905     \end{pgfpicture}%
1906     \copy\bmb@box%
1907   }%
1908   \nointerlineskip%
1909   \vskip-1pt%
1910   \ifdim\wd\bmb@box=0pt%
1911     \else%
1912     \hbox{%
1913       \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1914         \bmb@dima=\bmb@width%
1915         \advance\bmb@dima by8bp%
1916         \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1917         \pgfusepath{clip}
1918         {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuseshading{\bmb@trans
1919         \end{pgfpicture}%
1920       }%
1921       \nointerlineskip%
1922       \vskip-0.5pt%
1923     \fi%
1924     \setbox\bmb@colorbox=\hbox{{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1925     \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1926       \vskip2pt%
1927       \usebeamercolor[fg]{\bmb@lower}%
1928       \colorlet{beamerstructure}{upper.bg}%
1929       \colorlet{structure}{upper.bg}%
1930       %\color{.}%
1931       \@bidi@list@minipage@parboxfalse
1932     }
1933
1934 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1935   \begingroup
1936   \@RTLfalse
1937 }{}{}
1938
1939

```

17 File beamerbasecolor-xetex-bidi.def

```

1940 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerba
1941 \renewenvironment{beamercolorbox}[2] []{%
1942   \def\beamer@vmode{\leavevmode}%
1943   \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1944     leftskip=0pt,rightskip=0pt plus1fil,%
1945     sep=0pt,colsep=0pt,colsep*=0pt,%
1946     shadow=false,rounded=false,ignorebg=false}%
1947   \if@RTL
1948     \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%

```



```

1949 \else
1950 \setkeys{beamercolbox}{leftskip=Opt,rightskip=Opt plus1fil}%
1951 \fi
1952 \setkeys{beamercolbox}{#1}%
1953 \ifbeamercoloreempty[bg]{#2}{\@tempwafalse}{\@tempwatrue}%
1954 \ifbeamer@colbox@ignorebg\@tempwafalse\fi%
1955 \def\beamer@colbox@color{#2}%
1956 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1957 \ifbeamer@colbox@ignorebg%
1958 \colorlet{beamer@temp@color}{bg}%
1959 \usebeamercolor[fg]{#2}%
1960 \colorlet{bg}{beamer@temp@color}%
1961 \else%
1962 \usebeamercolor[fg]{#2}%
1963 \fi%
1964 \beginL
1965 \vbox\bgroup%
1966 \hsize=\beamer@colbox@wd%
1967 \@arrayparboxrestore%
1968 \leftskip=\beamer@colbox@ls%
1969 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1970 \rightskip=\beamer@colbox@rs%
1971 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1972 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1973 \advance\leftskip by\beamer@colbox@colsep%
1974 \advance\rightskip by\beamer@colbox@colsep%
1975 \vskip\beamer@colbox@colsep%
1976 \fi%
1977 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1978 \fi%
1979 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1980 \beamer@vmode\ignorespaces}{%
1981 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1982 \if@tempswa
1983 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1984 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1985 \fi%
1986 \egroup\endL\color@endgroup\egroup%
1987 \wd\beamer@tempbox=\beamer@colbox@wd%
1988 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1989 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1990 \ifbeamer@colbox@rounded%
1991 \if@tempswa%
1992 \begin{beamerboxesrounded}[%
1993 shadow=\beamer@colbox@shadow,%
1994 lower=\beamer@colbox@color,%
1995 upper=normal text,%
1996 width=\beamer@colbox@wd]{%
1997 \box\beamer@tempbox%
1998 \end{beamerboxesrounded}%
1999 \else%
2000 \ifdim\wd\beamer@tempbox>\textwidth%
2001 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2002 \fi%

```



```

2003     \box\beamer@tempbox%
2004     \fi%
2005 \else%
2006     \if@tempswa\setbox\beamer@tempbox=\hbox{%
2007         \usebeamercolor{\beamer@colbox@color}%
2008         \hskip-\beamer@colbox@colseps%
2009         \fboxsep=\z@\colorbox{bg}{%
2010             \hskip\beamer@colbox@colseps%
2011             \box\beamer@tempbox%
2012             \hskip\beamer@colbox@colseps%
2013         }%
2014         \hskip-\beamer@colbox@colseps%
2015     }\fi%
2016 \ifdim\wd\beamer@tempbox>\textwidth%
2017     \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox%
2018 \fi%
2019 \box\beamer@tempbox%
2020 \fi%
2021 }
2022
2023

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2024 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for
2025 \def\insertvrule#1#2{\hbox{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\
2026
2027

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

2028 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2023/08/02 v0.6 bidi adaptations for
2029 \renewcommand{\setbeamersize}[1]{%
2030     \beamer@dogeometryfalse%
2031     \setkeys{beamer@margin}{#1}%
2032     \ifbeamer@dogeometry%
2033         % Reset left margin now
2034         \beamer@tempdim=\beamer@leftmargin%
2035         \advance\beamer@tempdim by\beamer@leftsidebar%
2036         \if@RTLmain
2037             \geometry{right=\the\beamer@tempdim}%
2038         \else
2039             \geometry{left=\the\beamer@tempdim}%
2040         \fi
2041         % Reset right margin now
2042         \beamer@tempdim=\beamer@rightmargin%
2043         \advance\beamer@tempdim by\beamer@rightsidebar%
2044         \if@RTLmain
2045             \geometry{left=\the\beamer@tempdim}%
2046         \else
2047             \geometry{right=\the\beamer@tempdim}%
2048         \fi
2049     \fi%
2050 }

```



```

2051
2052 \newcommand*{\bidi@beamer@Gm@lmargin}{%
2053   \if@RTLmain
2054     \Gm@rmargin
2055   \else
2056     \Gm@lmargin
2057   \fi
2058 }
2059
2060 \newcommand*{\bidi@beamer@Gm@rmargin}{%
2061   \if@RTLmain
2062     \Gm@lmargin
2063   \else
2064     \Gm@rmargin
2065   \fi
2066 }
2067
2068 \def\ps@navigation{
2069   \def\@oddhead{%
2070     \begingroup%
2071     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransit
2072     \beamer@tempdim=\ht\beamer@tempbox%
2073     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2074     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2075     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2076     \beamer@tempdim=\ht\@tempboxa%
2077     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2078     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2079     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
2080     \hbox{%
2081       {%
2082         \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2083         \if@RTLmain
2084           {%
2085             \vbox to \sidebarheight{%
2086               \usebeamertemplate***{sidebar left}%
2087             \vfil%
2088           }}%
2089         \@ifpackageloaded{beamerinnerthemeinmargin}{-}{%
2090           \hskip-\textwidth
2091         }%
2092         \fi
2093         {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2094           \usebeamercolor*{sidebar left}%
2095           \usebeamertemplate{sidebar canvas left}%
2096           \vss%
2097         }}%
2098         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2099         \box\beamer@tempbox}%
2100         \if@RTLmain
2101         \else
2102         {%
2103           \vbox to \sidebarheight{%
2104             \usebeamertemplate***{sidebar left}%

```



```

2105         \vfil%
2106     }}\fi}%
2107     \beamer@tempdim=\ht\beamer@tempbox%
2108     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2109     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2110     \box\beamer@tempbox%
2111 }%
2112 {% print right sidebar first, since it should be overwritten by headline
2113     \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2114     \if@RTLmain
2115         {%
2116             \vbox to \sidebarheight{%
2117                 \usebeamertemplate***{sidebar right}%
2118                 \vfil%
2119             }}%
2120             \hskip-\textwidth
2121             \fi
2122             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2123                 \usebeamercolor*{sidebar right}%
2124                 \usebeamertemplate{sidebar canvas right}%
2125                 \vss%
2126             }}%
2127                 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2128                 \box\beamer@tempbox}%
2129                 \if@RTLmain
2130                 \else
2131                 {%
2132                     \vbox to \sidebarheight{%
2133                         \usebeamertemplate***{sidebar right}%
2134                         \vfil%
2135                     }}\fi}%
2136                 \beamer@tempdim=\ht\beamer@tempbox%
2137                 \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2138                 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2139                 \box\beamer@tempbox%
2140             }}%
2141             \beamer@typesetheadorfoot{headline}%
2142         }%
2143     \hfil}%
2144 \endgroup}
2145 \def\@oddfoot{%
2146     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2147     \hfil}\hbox{}}\hfil
2148 }%
2149 \let\@evenhead\@oddhead
2150 \let\@evenfoot\@oddfoot}
2151
2152 \AtBeginDocument{%
2153     \pagestyle{navigation}%
2154 }
2155
2156 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2157     {\parskip0pt\offinterlineskip%
2158         \hbox{%

```



```

2159     \hskip-\bidi@beamer@Gm@lmargin%
2160     \hbox{%
2161         \vbox{%
2162             \@tempdima=\textwidth%
2163             \textwidth=\paperwidth%
2164             \hsize=\textwidth%
2165             \def\{,\}%
2166             \usebeamertemplate***{#1}%
2167         }%
2168     \hskip-\bidi@beamer@Gm@rmargin%
2169 }}\hfil%
2170 }
2171
2172 \def\ps@empty{%
2173     \let\@mkboth\@gobbletwo%
2174     \def\@oddhead{\beginingroup%
2175         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransit
2176         \beamer@tempdim=\ht\beamer@tempbox%
2177         \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2178         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2179         \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2180         \beamer@tempdim=\ht\@tempboxa%
2181         \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2182         \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2183         \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box
2184         \endgroup%
2185     }
2186     \def\@oddfoot{\normalcolor\hfil%
2187         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beam
2188         \ht\beamer@tempbox=0pt%
2189         \dp\beamer@tempbox=0pt%
2190         \box\beamer@tempbox}}
2191     \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2192
2193 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2194     \beamer@colclose%
2195     \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2196 \begin{actionenv}#3%
2197     \setkeys{beamer@col}{#1}%
2198     \begin{minipage}[\beamer@colalign]{#2}%
2199         \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2200
2201 \renewenvironment<>{columns}[1][ ]{%
2202     \begin{actionenv}#2%
2203     \ifbeamer@onlytextwidth
2204         \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2205         \def\beamer@colexitcode{\unskip\egroup}
2206     \else%
2207         \def\beamer@colentrycode{%
2208             \hbox to\textwidth\bgroup%
2209             \leavevmode%
2210             \hskip-\beamer@leftmargin%
2211             \nobreak%
2212             \beamer@tempdim=\textwidth%

```



```

2213     \advance\beamer@tempdim by\beamer@leftmargin%
2214     \advance\beamer@tempdim by\beamer@rightmargin%
2215     \hbox to\beamer@tempdim\bgroup%
2216     \hbox{\hfill\ignorespaces}%
2217     \def\beamer@colexitcode{\egroup%
2218     \nobreak%
2219     \hskip-\beamer@rightmargin\egroup}%
2220     \fi%
2221     \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2222     \setkeys{beamer@col}{#1}%
2223     \par%
2224     \leavevmode
2225     \beamer@colentrycode%
2226     \def\beamer@colclose{\ignorespaces}%
2227     {\beamer@colclose\def\beamer@colclose{\beamer@colexitcode\end{actionenv}}}%
2228
2229
2230 \def\@makeRTLfnftext#1{%
2231   \def\insertfootnotetext{#1}%
2232   \def\insertfootnotemark{\@makefnmark}%
2233   \usebeamertemplate***{RTLfootnote}}
2234
2235 \def\@makeLTRfnftext#1{%
2236   \def\insertfootnotetext{#1}%
2237   \def\insertfootnotemark{\@makefnmark}%
2238   \usebeamertemplate***{LTRfootnote}}
2239
2240 \renewcommand<>\beamer@framefootnotetext[1]{%
2241   \global\setbox\beamer@footins\vbox{%
2242     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2243     \hsize\framewidth
2244     \textwidth\hsize
2245     \columnwidth\hsize
2246     \unvbox\beamer@footins
2247     \reset@font
2248     \bidi@@footnotetext@font
2249     \@parboxrestore
2250     \protected@edef\@currentlabel
2251       {\csname p@footnote\endcsname\@thefnmark}%
2252     \color@begingroup
2253     \uncover#2{\@makefnftext{%
2254       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2255     \color@endgroup}}
2256
2257 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2258   \global\setbox\beamer@footins\vbox{%
2259     \@RTLtrue
2260     \hsize\framewidth
2261     \textwidth\hsize
2262     \columnwidth\hsize
2263     \unvbox\beamer@footins
2264     \reset@font
2265     \bidi@@RTLfootnotetext@font
2266     \@parboxrestore

```




```

2267 \protected@edef\@currentlabel
2268     {\csname p@footnote\endcsname\@thefnmark}%
2269 \color@begingroup
2270     \uncover#2{\@makeRTLfnctext{%
2271         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2272 \color@endgroup}}
2273
2274 \renewcommand<>\beamer@frameLTRfootnotetext [1]{%
2275     \global\setbox\beamer@footins\vbox{%
2276         \RTLfalse
2277         \hsize\framewidth
2278         \textwidth\hsize
2279         \columnwidth\hsize
2280         \unvbox\beamer@footins
2281         \reset@font
2282         \bidi@LTRfootnotetext@font
2283         \@parboxrestore
2284         \protected@edef\@currentlabel
2285             {\csname p@footnote\endcsname\@thefnmark}%
2286         \color@begingroup
2287             \uncover#2{\@makeLTRfnctext{%
2288                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2289         \color@endgroup}}
2290
2291 \renewcommand<>\@mpfootnotetext [1]{%
2292 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
2293     \global\setbox\@mpfootins\vbox{%
2294         \unvbox\@mpfootins
2295         \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
2296         \reset@font
2297         \bidi@\@footnotetext@font
2298         \hsize\columnwidth
2299         \@parboxrestore
2300         \protected@edef\@currentlabel
2301             {\csname p@mpfootnote\endcsname\@thefnmark}%
2302         \color@begingroup
2303             \uncover#2{\@makefnctext{%
2304                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2305         \color@endgroup}}
2306
2307 \renewcommand<>\@mpRTLfootnotetext [1]{%
2308 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
2309     \global\setbox\@mpfootins\vbox{%
2310         \unvbox\@mpfootins
2311         \RTLtrue
2312         \reset@font
2313         \bidi@RTLfootnotetext@font
2314         \hsize\columnwidth
2315         \@parboxrestore
2316         \protected@edef\@currentlabel
2317             {\csname p@mpfootnote\endcsname\@thefnmark}%
2318         \color@begingroup
2319             \uncover#2{\@makeRTLfnctext{%
2320                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%

```



```

2321 \color@endgroup}}
2322
2323 \renewcommand<>\@mpLTRfootnotetext[1]{%
2324 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\@bidi@mpfootnoterule\left@footno
2325 \global\setbox\@mpfootins\vbox{%
2326 \unvbox\@mpfootins
2327 \@RTLfalse
2328 \reset@font
2329 \bidi@LTRfootnotetext@font
2330 \hsize\columnwidth
2331 \@parboxrestore
2332 \protected@edef\@currentlabel
2333 {\csname p@mpfootnote@endcsname\@thefnmark}%
2334 \color@begingroup
2335 \uncover#2{\@makeLTRfntext{%
2336 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2337 \color@endgroup}}
2338
2339 \let\@footnotetext=\beamer@framefootnotetext
2340 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2341 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2342
2343 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2344 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2345 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2346
2347 \renewcommand<>{\footnote}[1][ ]{%
2348 \let\beamer@footnotetext=\@footnotetext%
2349 \let\beamer@mpfn=\@mpfn%
2350 \let\beamer@thempfn=\@thempfn%
2351 \let\beamer@kvorig=\KV@errx%
2352 \let\beamer@xkvorig=\XKV@err
2353 \def\beamer@footarg{%
2354 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2355 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2356 \setkeys{beamerfootnote}##1}%
2357 \let\KV@errx=\beamer@kvorig%
2358 \let\XKV@err=\beamer@xkvorig
2359 \ifx\beamer@footarg\@empty%
2360 \def\beamer@next{\stepcounter\beamer@mpfn
2361 \protected@xdef\@thefnmark{\beamer@thempfn}%
2362 \@footnotemark\beamer@footnotetext#2}%
2363 \else%
2364 \def\beamer@next{%
2365 \begingroup
2366 \csname c@\beamer@mpfn@endcsname\beamer@footarg\relax
2367 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2368 \endgroup
2369 \@footnotemark\beamer@footnotetext#2}%
2370 \fi%
2371 \beamer@next}
2372
2373 \renewcommand<>{\RTLfootnote}[1][ ]{%
2374 \let\beamer@RTLfootnotetext=\@RTLfootnotetext%

```



```

2375 \let\beamer@mpfn=\@mpfn%
2376 \let\beamer@thempfn=\thempfn%
2377 \let\beamer@kvorig=KV@errx%
2378 \let\beamer@xkvorig=XKV@err
2379 \def\beamer@footarg{%
2380 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2381 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2382 \setkeys{beamerfootnote}{#1}%
2383 \let\KV@errx=\beamer@kvorig%
2384 \let\XKV@errx=\beamer@xkvorig
2385 \ifx\beamer@footarg\empty%
2386 \def\beamer@next{\stepcounter\beamer@mpfn
2387 \protected@xdef\@thefnmark{\beamer@thempfn}%
2388 \@footnotemark\beamer@RTLfootnotetext#2}%
2389 \else%
2390 \def\beamer@next{%
2391 \begingroup
2392 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2393 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2394 \endgroup
2395 \@footnotemark\beamer@RTLfootnotetext#2}%
2396 \fi%
2397 \beamer@next}
2398
2399 \renewcommand<>{\LTRfootnote}[1][ ]{%
2400 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2401 \let\beamer@mpfn=\@mpfn%
2402 \let\beamer@thempfn=\thempfn%
2403 \let\beamer@kvorig=KV@errx%
2404 \let\beamer@xkvorig=XKV@err
2405 \def\beamer@footarg{%
2406 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2407 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2408 \setkeys{beamerfootnote}{#1}%
2409 \let\KV@errx=\beamer@kvorig%
2410 \let\XKV@errx=\beamer@xkvorig
2411 \ifx\beamer@footarg\empty%
2412 \def\beamer@next{\stepcounter\beamer@mpfn
2413 \protected@xdef\@thefnmark{\beamer@thempfn}%
2414 \@footnotemark\beamer@LTRfootnotetext#2}%
2415 \else%
2416 \def\beamer@next{%
2417 \begingroup
2418 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2419 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2420 \endgroup
2421 \@footnotemark\beamer@LTRfootnotetext#2}%
2422 \fi%
2423 \beamer@next}
2424
2425

```

20 File beamerbaseframesize-xetex-bidi.def



```

2426 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beam
2427 \def\beamer@framezoom<#1><#2>[#3] (#4,#5) (#6,#7){%
2428   \par\nointerlineskip%
2429   \global\beamer@slidehaszoomtrue%
2430   \advance\beamer@zoomcount by1\relax%
2431   \def\beamer@zoomborderwidth{0}%
2432   \edef\beamer@labelzoomed{beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomo
2433   \setkeys{beamerzoom}{#3}%
2434   \only<#1>{%
2435     {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2436     \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2437       \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2438         \vbox to #7{%
2439           \hbox to#6{\hfil}%
2440           \vfil%
2441         }%
2442       \else%
2443         \begingroup%
2444         \normalsize%
2445         \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2446         \pgfsetfillopacity{0}
2447         \pgftext[x=0cm,y=3pt]{.}
2448         \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2449         \end{pgfpicture}%
2450         \endgroup%
2451       \fi%
2452     }}%
2453     \ht\@tempboxa=0pt%
2454     \wd\@tempboxa=0pt%
2455     \dp\@tempboxa=0pt%
2456     \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@t
2457     \ht\@tempboxa=0pt%
2458     \wd\@tempboxa=0pt%
2459     \dp\@tempboxa=0pt%
2460     \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2461   }%
2462   \only<#2>{%
2463     \@ifundefined{\beamer@labelzoomed}%
2464     {%
2465       \hypertarget{\beamer@labelzoomed}{}%
2466       \expandafter\gdef\csname\beamer@labelzoomed\endcsname{%
2467     }{}%
2468     \gdef\beamer@zoomer{%
2469       % compute zoom factor
2470       \@tempdima=\beamer@frametextheight%
2471       \@tempdimb=#7\relax%
2472       \@tempcnta=\@tempdimb%
2473       \divide\@tempcnta by4096\relax%
2474       \multiply\@tempdima by16\relax%
2475       \divide\@tempdima by\@tempcnta%
2476       \@tempdimb=\paperwidth%
2477       \ifbeamer@plainframe%
2478       \else%
2479         \advance\@tempdimb by-\beamer@leftsidebar%

```



```

2480     \advance\@tempdimb by-\beamer@rightsidebar\relax%
2481     \fi%
2482     \@tempdimc=#6\relax%
2483     \@tempcntb=\@tempdimc%
2484     \divide\@tempcntb by4096\relax%
2485     \multiply\@tempdimb by16\relax%
2486     \divide\@tempdimb by\@tempcntb%
2487     \ifdim\@tempdimb<\@tempdima%
2488         \@tempdima=\@tempdimb%
2489     \fi%
2490     \edef\beamer@temp{\stripopt\@tempdima}%
2491     \@tempdimc=\beamer@frametextheight%
2492     \advance\@tempdimc by4pt%
2493     \@tempdimb=\paperwidth%
2494     \ifbeamer@plainframe%
2495     \else%
2496         \advance\@tempdimb by-\beamer@leftsidebar%
2497         \advance\@tempdimb by-\beamer@rightsidebar\relax%
2498     \fi%
2499     \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2500         \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2501     \ht\@tempboxa=0pt%
2502     \wd\@tempboxa=0pt%
2503     \dp\@tempboxa=0pt%
2504     \setbox\beamer@framebox=\vbox to\beamer@frametextheight{{%
2505         \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2506         \if@RTL
2507             \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\paperwidth-\beamer@leftmargin}{\beamer@frametextheight}{\beamer@leftmargin}{\beamer@frametextheight}
2508                 \pgftext[right,top]{\box\@tempboxa}
2509                 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2510                 \pgfusepath{clip}
2511                 \begin{group}
2512                     \pgftransformscale{\beamer@temp}
2513                     \@tempdima=#4\relax%
2514                     \@tempdimb=#5\relax%
2515                     {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}%
2516                     \pgftext[right,top]{\vbox{\vbox{}}\nointerlineskip\unvbox\beamer@framebox}}
2517                 \end{group}
2518             \end{pgfpicture}%
2519         \else
2520             \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}{\beamer@frametextheight}{\beamer@leftmargin}{\beamer@frametextheight}
2521                 \pgftext[left,top]{\box\@tempboxa}
2522                 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2523                 \pgfusepath{clip}
2524                 \begin{group}
2525                     \pgftransformscale{\beamer@temp}
2526                     \@tempdima=#4\relax%
2527                     \@tempdimb=#5\relax%
2528                     {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}%
2529                     \pgftext[left,top]{\vbox{\vbox{}}\nointerlineskip\unvbox\beamer@framebox}}
2530                 \end{group}
2531             \end{pgfpicture}%
2532         \fi
2533     }}%

```



```

2534     \setbox\beamer@framebox=\vbox{%
2535       \nobreak\vbox{\nobreak\par\nobreak\beamer@entrycode\nobreak%
2536         \nointerlineskip\unvbox\beamer@frametitlebox%
2537         \nobreak%
2538         \box\beamer@framebox%
2539         \nobreak%
2540         \vss%
2541         \beamer@exitcode%
2542     }%
2543     \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2544 }%
2545 }%
2546 }
2547
2548

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2549 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2550 \def\beamer@enum@{%
2551   \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2552   \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2553   \bgroup
2554   \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2555   \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2556   \egroup
2557   \expandafter
2558   \list
2559     {\usebeamertemplate{\beamer@enumtempl}}
2560     {\usecounter\@enumctr%
2561       \def\makelabel##1{\hss\llap{%
2562         \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2563         \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}}%
2564   \beamer@cramped%
2565   \bidi@beamer@ragged%
2566   \beamer@firstlineitemizeunskip%
2567 }
2568
2569 \renewcommand{\itemize}[1][ ]{%
2570   \ifblank{#1}{\def\beamer@defaultospec{#1}}%
2571   \ifnum \@itemdepth >2\relax\toodeep\else
2572     \advance\@itemdepth\@ne
2573     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2574     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2575     \bgroup
2576     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2577     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2578     \egroup
2579     \list
2580       {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2581       {\def\makelabel##1{%
2582         {%
2583           \hss\llap{%
2584             \usebeamerfont*{itemize \beameritemnestingprefix item}%

```



```

2585         \usebeamercolor[fg]{itemize \beameritemnestingprefix item}##1}}%
2586     }%
2587 }%
2588 }
2589 \fi%
2590 \beamer@cramped%
2591 \bidi@beamer@ragged%
2592 \beamer@firstlineitemizeunskip%
2593 }
2594
2595 \def\@@description{%
2596 \advance\beamer@descdefault by \labelsep%
2597 \usebeamerfont{description body}%
2598 \bgroup
2599 \usebeamercolor[fg]{description body}%
2600 \usebeamerfont{description body begin}%
2601 \egroup
2602 \list
2603 {}
2604 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descri
2605 \beamer@cramped%
2606 \bidi@beamer@ragged
2607 \beamer@firstlineitemizeunskip%
2608 }
2609
2610 \renewenvironment{thebibliography}[1]
2611 {%\leavevmode\unskip%
2612 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
2613 \bidi@thebibliography@font@hook%
2614 \list{\biblabel{\@arabic\c@enumiv}}%
2615     {\settoheight\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2616     \leftmargin\labelwidth
2617     \advance\leftmargin\labelsep
2618     \itemsep=0pt%
2619     \partopsep=0pt%
2620     \topsep=0pt%
2621     \usecounter{enumiv}%
2622     \let\p@enumiv\@empty
2623     \renewcommand\theenumiv{\@arabic\c@enumiv}
2624     \let\makelabel\beamer@biblabeltemplate}%
2625 \sloppy\bidi@beamer@ragged
2626 \clubpenalty10000
2627 \@clubpenalty \clubpenalty
2628 \widowpenalty10000%
2629 \sfcode`. \m}
2630 {\def\@noitemerr
2631 {\@latex@warning{Empty `thebibliography' environment}}%
2632 \ifhmode\unskip\fi\endlist}
2633
2634

```

22 File beamerbasemisc-xetex-bidi.def

```

2635 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbas

```



```

2636 \define@key{beamerst}{width}{%
2637   \def\beamer@ststart{%
2638     \begin{minipage}[t]{#1}%
2639       \bidi@beamer@ragged
2640       \beamer@stalign
2641       \beamer@stlinebreakrule
2642     }%
2643   \def\beamer@stend{\end{minipage}}}}
2644
2645

```

23 File beamerbasenavigation-xetex-bidi.def

```

2646 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for bea
2647 \def\slideentry#1#2#3#4#5#6{%
2648   %section number, subsection number, slide number, first/last frame, page number, part num
2649   \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2650     \ifbeamer@compress%
2651       \advance\beamer@xpos by1\relax%
2652     \else%
2653       \ifnum#2=0%
2654         \beamer@ypos@offset=1\relax%
2655       \fi
2656       \beamer@xpos=#3\relax%
2657       \beamer@ypos=#2\relax%
2658       \advance\beamer@ypos by \beamer@ypos@offset\relax
2659     \fi%
2660   \hbox to 0pt{%
2661     \beamer@tempdim=-\beamer@vboxoffset%
2662     \advance\beamer@tempdim by-\beamer@boxsize%
2663     \multiply\beamer@tempdim by\beamer@ypos%
2664     \advance\beamer@tempdim by -.05cm%
2665     \raise\beamer@tempdim\hbox{%
2666       \beamer@tempdim=\beamer@boxsize%
2667       \multiply\beamer@tempdim by\beamer@xpos%
2668       \advance\beamer@tempdim by -\beamer@boxsize%
2669       \advance\beamer@tempdim by 1pt%
2670       \kern\beamer@tempdim
2671       \global\beamer@section@min@dim\beamer@tempdim
2672       \hbox{\beamer@link(#4){%
2673         \usebeamerfont{mini frame}%
2674         \ifnum\c@section=#1%
2675           \ifnum\c@subsection=#2%
2676             \usebeamerfont{fg}{mini frame}%
2677             \ifnum\c@subsectionslide=#3%
2678               \usebeamertemplate{mini frame}\beamer@minislidehighlight%
2679             \else%
2680               \usebeamertemplate{mini frame in current subsection}\beamer@minisliderowhi
2681             \fi%
2682           \else%
2683             \usebeamerfont{mini frame}%
2684             \%color{fg!50!bg}%
2685             \usebeamertemplate{mini frame in other subsection}\beamer@minislide%
2686           \fi%

```




```

2687         \else%
2688             \usebeamercolor{mini frame}%
2689             %\color{fg!50!bg}%
2690             \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2691         \fi%
2692     }}}} \hskip-10cm plus 1fil%
2693 } \fi \fi%
2694 \else%
2695 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2696 \fi \ignorespaces
2697 }
2698
2699 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2700 {
2701     \pgfpathqmoveto{3.5bp}{0.5bp}
2702     \pgfpathqlineto{1.5bp}{2bp}
2703     \pgfpathqlineto{3.5bp}{3.5bp}
2704     \pgfusepathqfill
2705 }
2706
2707 \def\insertgotosymbol{%
2708 \if@RTL
2709     \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2710         \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2711     \end{pgfpicture}%
2712 \else
2713     \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2714         \pgfuseobject{beamergotosymbol}%
2715     \end{pgfpicture}%
2716 \fi
2717 }
2718
2719 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2720 {
2721     \pgfpathqmoveto{5.5bp}{0.5bp}
2722     \pgfpathqlineto{3.5bp}{2bp}
2723     \pgfpathqlineto{5.5bp}{3.5bp}
2724     \pgfpathqmoveto{3.5bp}{0.5bp}
2725     \pgfpathqlineto{1.5bp}{2bp}
2726     \pgfpathqlineto{3.5bp}{3.5bp}
2727     \pgfusepathqfill
2728 }
2729
2730 \def\insertskipsymbol{%
2731 \if@RTL
2732     \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2733         \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2734     \end{pgfpicture}%
2735 \else
2736     \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2737         \pgfuseobject{beamerskipsymbol}%
2738     \end{pgfpicture}%
2739 \fi
2740 }

```



```

2741
2742 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2743 {
2744   \pgfpathmoveto{1.5bp}{0.5bp}
2745   \pgfpathqlineto{3.5bp}{2bp}
2746   \pgfpathqlineto{1.5bp}{3.5bp}
2747   \pgfusepathqfill
2748 }
2749
2750 \def\insertreturnsymbol{%
2751 \if@RTL
2752   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2753     \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2754   \end{pgfpicture}%
2755 \else
2756   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2757     \pgfuseobject{beamerreturnsymbol}%
2758   \end{pgfpicture}%
2759 \fi
2760 }
2761
2762

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2763 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2764 \renewcommand<>{\color}{\alt#1{beameroriginal{color}}{beamer@gobbleoptionalinsp}}
2765
2766

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2767 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2768 \newcommand*{\bidi@beamer@leftskip}{%
2769   \if@RTL
2770     \rightskip
2771   \else
2772     \leftskip
2773   \fi
2774 }
2775
2776 \newcommand*{\bidi@beamer@rightskip}{%
2777   \if@RTL
2778     \leftskip
2779   \else
2780     \rightskip
2781   \fi
2782 }
2783
2784 \bidi@csundef{beamer@tmpop@subsection in toc@default}
2785
2786 \bidi@csundef{beamer@tmpop@subsubsection in toc@default}
2787
2788 \defbeamertemplate*{subsection in toc}{default}

```



```

2789 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2790
2791 \defbeamertemplate*{subsubsection in toc}{default}
2792 {\leavevmode\normalsize\usebeamerfont{subsubsection in toc}\bidi@beamer@leftskip=3em%
2793 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2794
2795 \newcommand*{\bidi@beamer@blacktriangle}{%
2796 \if@RTL
2797   $\blacktriangleleft$%
2798 \else
2799   $\blacktriangleright$%
2800 \fi
2801 }
2802
2803 \bidi@csundef{beamer@@tmpop@itemize item@default}
2804
2805 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2806
2807 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2808
2809 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\
2810 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\h
2811 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1
2812
2813 \bidi@undef\beamer@@tmpop@footnote@default
2814
2815 \defbeamertemplate*{footnote}{default}
2816 {
2817 \parindent 1em\noindent%
2818 \bidi@beamer@ragged
2819 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2820 }
2821
2822 \defbeamertemplate*{RTLfootnote}{default}
2823 {
2824 \parindent 1em\noindent%
2825 \raggedleft
2826 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2827 }
2828
2829 \defbeamertemplate*{LTRfootnote}{default}
2830 {
2831 \parindent 1em\noindent%
2832 \raggedright
2833 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2834 }
2835
2836 \bidi@undef\beamer@@tmpop@caption@default
2837
2838 \defbeamertemplate*{caption}{default}
2839 {%
2840 \bidi@beamer@ragged
2841 }%
2842 \leavevmode

```



```

2843 \usebeamercolor[fg]{caption name}%
2844 \usebeamerfont*{caption name}%
2845 \insertcaptionname
2846 \usebeamertemplate{caption label separator}%
2847 }%
2848 \insertcaption\par
2849 }
2850
2851 \bidi@csundef{beamer@@tmpop@block begin@default}
2852
2853 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2854
2855 \bidi@csundef{beamer@@tmpop@block example begin@default}
2856
2857 \defbeamertemplate*{block begin}{default}
2858 {
2859 \par\vskip\medskipamount%
2860 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2861 \usebeamerfont*{block title}\insertblocktitle%
2862 \end{beamercolorbox}%
2863 {\parskip0pt\par}%
2864 \ifbeamercoloreempty[bg]{block title}
2865 {}
2866 {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2867 \usebeamerfont{block body}%
2868 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2869 \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+base}
2870 }
2871
2872 \defbeamertemplate*{block alerted begin}{default}
2873 {
2874 \par\vskip\medskipamount%
2875 \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2876 \usebeamerfont*{block title alerted}\insertblocktitle%
2877 \end{beamercolorbox}%
2878 {\parskip0pt\par}%
2879 \ifbeamercoloreempty[bg]{block title alerted}
2880 {}
2881 {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2882 \usebeamerfont{block body alerted}%
2883 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2884 \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75}
2885 }
2886
2887 \defbeamertemplate*{block example begin}{default}
2888 {
2889 \par\vskip\medskipamount%
2890 \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2891 \usebeamerfont*{block title example}\insertblocktitle%
2892 \end{beamercolorbox}%
2893 {\parskip0pt\par}%
2894 \ifbeamercoloreempty[bg]{block title example}
2895 {}
2896 {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%

```



```

2897 \usebeamerfont{block body example}%
2898 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2899 \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75
2900 }
2901
2902 \bidi@csundef{beamer@@tmpop@abstract begin@default}
2903
2904 \defbeamertemplate*{abstract begin}{default}
2905 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fi
2906
2907 \bidi@undef\beamer@@tmpop@button@default
2908
2909 \defbeamertemplate*{button}{default}
2910 {%
2911 \setbox\beamer@tempbox=\hbox{\insertbuttontext}}%
2912 \ht\beamer@tempbox=6pt%
2913 \dp\beamer@tempbox=0pt%
2914 \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2915 \beamer@tempdim=\wd\beamer@tempbox%
2916 \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2917 \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2918 \if@RTL
2919 \kern4pt%
2920 \box\beamer@tempbox%
2921 \hskip-\beamer@tempdim%
2922 \fi
2923 \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2924 \color{bg}
2925 \pgfsetlinewidth{0.8pt}
2926 \pgfpathmoveto{0pt}{0pt}
2927 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2928 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2929 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2930 \pgfpathcurveto%
2931 {\pgfpoint{\the\beamer@dima}{8pt}}%
2932 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2933 {\pgfpoint{\the\beamer@dimb}{4pt}}
2934 \pgfpathcurveto%
2935 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2936 {\pgfpoint{\the\beamer@dima}{0pt}}%
2937 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2938 \pgfpathclose
2939 \pgfusepathqfill
2940 \colorlet{bg}{parent.bg}
2941 \usebeamercolor[fg]{button border}
2942 \pgfpathmoveto{0pt}{0pt}
2943 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2944 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2945 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2946 \pgfpathcurveto%
2947 {\pgfpoint{\the\beamer@dima}{8pt}}%
2948 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2949 {\pgfpoint{\the\beamer@dimb}{4pt}}
2950 \pgfpathcurveto%

```



```

2951   {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2952   {\pgfpoint{\the\beamer@dima}{0pt}}%
2953   {\pgfpoint{\the\beamer@tempdim}{0pt}}
2954   \pgfpathclose
2955   \pgfusepathqstroke
2956   \end{pgfpicture}%
2957   \if@RTL
2958   \else
2959     \hskip-\beamer@tempdim%
2960     \box\beamer@tempbox%
2961     \kern4pt%
2962   \fi
2963 }
2964
2965

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

2966 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for
2967 \setbeamertemplate{sections/subsections in toc}[circle]
2968

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

2969 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
2970 \setbeamertemplate{section in toc}[square]
2971 \setbeamertemplate{subsection in toc}[square]
2972
2973 \setbeamertemplate{itemize items}[square]
2974 \setbeamertemplate{itemize subitem}[triangle]
2975
2976 \bidi\csundef{beamer@@tmpop@title page@focus}
2977
2978 \defbeamertemplate*{title page}{focus}{%
2979   {%
2980     \usebeamercolor{frametitle}\colorlet{focus@temp}{bg}%
2981     \begin{tikzpicture}[overlay, remember picture]
2982       \fill[color=focus@temp] (current page.north west) rectangle ([shift = {(0, -0.
2983     \end{tikzpicture}
2984   }
2985
2986   \vspace{-1.65\baselineskip}
2987   \begin{minipage}[b] [0.35\paperheight]{\textwidth}
2988     \vspace{\baselineskip}
2989     \usebeamerfont{title}
2990     \usebeamercolor[fg]{frametitle}
2991     \inserttitle
2992   \end{minipage}
2993
2994   \begin{minipage}[t] [0.1\paperheight]{\textwidth}
2995     \usebeamerfont{subtitle}
2996     \usebeamercolor[fg]{frametitle}
2997     \insertsubtitle
2998   \end{minipage}

```



```

2999
3000 % Set the title graphic in a zero-height box, so that
3001 % the position of other elements is not affected.
3002 {\vfuuzz=9999pt\vbox to 0pt {
3003   \if@RTL
3004     \raggedright
3005   \else
3006     \raggedleft
3007   \fi
3008   \inserttitlegraphic
3009 }}
3010
3011 \begin{minipage}[t]{\textwidth}
3012   \usebeamerfont{author}
3013   \insertauthor
3014 \end{minipage}
3015
3016 \vspace*{\baselineskip}
3017 \begin{minipage}[t]{\textwidth}
3018   \usebeamerfont{institute}
3019   \insertinstitute
3020 \end{minipage}
3021
3022 \vspace*{\baselineskip}
3023 \begin{minipage}[t]{\textwidth}
3024   \usebeamerfont{date}
3025   \insertdate
3026 \end{minipage}
3027
3028 \vspace*{0pt plus 100fill}
3029
3030 \addtocounter{framenummer}{-1}
3031 \addtocounter{realframenummer}{-1}
3032 }
3033
3034
3035

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3036 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3037 \AtBeginDocument{%
3038   \setbeamersize{sidebar width left=.25\paperwidth}%
3039 }
3040
3041 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
3042
3043 \bidi@csundef{beamer@@tmpop@title page@inmargin}
3044
3045 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
3046
3047 \bidi@csundef{beamer@@tmpop@block end@inmargin}
3048
3049 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}

```



```

3050
3051 \bidi\csundef{beamer@tmpop@block alerted end@inmargin}
3052
3053 \bidi\csundef{beamer@tmpop@block example begin@inmargin}
3054
3055 \bidi\csundef{beamer@tmpop@block example end@inmargin}
3056
3057 \defbeamertemplate*{section in toc}{inmargin}
3058 {\leavevmode
3059   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3060
3061 \defbeamertemplate*{title page}{inmargin}
3062 {
3063   \begin{block}{\inserttitleindicator}
3064     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3065     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3066   \end{block}
3067   \vfill
3068   \ifx\insertauthor\@empty
3069   \else
3070     \begin{block}{\insertauthorindicator}
3071       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3072     \end{block}
3073   \fi
3074   \ifx\insertinstitute\@empty
3075   \else
3076     \begin{block}{\insertinstituteindicator}
3077       \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3078     \end{block}
3079   \fi
3080   \ifx\insertdate\@empty
3081   \else
3082     \begin{block}{\insertdateindicator}
3083       \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3084     \end{block}
3085   \fi
3086 }
3087
3088 \defbeamertemplate*{block begin}{inmargin}
3089 {
3090   \par\vskip\medskipamount%
3091   \leavevmode%
3092   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}}\par}
3093   \beginL\beamer@putright
3094   %\usebeamercolor[fg]{block body}% to be done!
3095 }
3096
3097 \defbeamertemplate*{block end}{inmargin}
3098 {\endbeamer@putright\endL\vskip\smallskipamount}
3099
3100 \defbeamertemplate*{block alerted begin}{inmargin}
3101 {
3102   \par\vskip\medskipamount%
3103   \leavevmode%

```




```

3104 \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3105 \beginL\beamer@putright
3106 %\usebeamercolor[fg]{block body alerted}% to be done!
3107 }
3108
3109 \defbeamertemplate*{block alerted end}{inmargin}
3110 {\endbeamer@putright\endL\vskip\smallskipamount}
3111
3112 \defbeamertemplate*{block example begin}{inmargin}
3113 {
3114 \par\vskip\medskipamount%
3115 \leavevmode%
3116 \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3117 \beginL\beamer@putright
3118 %\usebeamercolor[fg]{block body example}% to be done
3119 }
3120
3121 \defbeamertemplate*{block example end}{inmargin}
3122 {\endbeamer@putright\endL\vskip\smallskipamount}
3123
3124 \bidi@AfterFile{beamerinnerthemerectangles-xetex-bidi.def}{%
3125 \setbeamertemplate{section in toc}[inmargin]%
3126 \setbeamertemplate{subsection in toc}[inmargin]%
3127 \setbeamertemplate{subsubsection in toc}[inmargin]%
3128 }
3129
3130

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3131 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3132 \setbeamertemplate{title}{
3133 \bidi@beamer@ragged%
3134 \linespread{1.0}%
3135 \inserttitle%
3136 \par%
3137 \vspace*{0.5em}
3138 }
3139
3140 \setbeamertemplate{subtitle}{
3141 \bidi@beamer@ragged%
3142 \insertsubtitle%
3143 \par%
3144 \vspace*{0.5em}
3145 }
3146
3147 \bidi@csundef{beamer@tmpop@section page@progressbar}
3148
3149 \defbeamertemplate{section page}{progressbar}{
3150 \centering
3151 \begin{minipage}{22em}
3152 \bidi@beamer@ragged
3153 \usebeamercolor[fg]{section title}
3154 \usebeamerfont{section title}

```



```

3155 \insertsectionhead\[-1ex]
3156 \usebeamertemplate*{progress bar in section page}
3157 \par
3158 \ifx\insertsubsectionhead\@empty\else%
3159 \usebeamerfont{fg}{subsection title}%
3160 \usebeamerfont{subsection title}%
3161 \insertsubsectionhead
3162 \fi
3163 \end{minipage}
3164 \par
3165 \vspace{\baselineskip}
3166 }
3167
3168 \setbeamertemplate{progress bar in section page}{
3169 \setlength{\metropolis@progressonsectionpage}{%
3170 \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3171 }%
3172 \begin{tikzpicture}
3173 \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3174 \if@RTLmain
3175 \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3176 \else
3177 \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsectionpage@linewidth);
3178 \fi
3179 \end{tikzpicture}%
3180 }
3181
3182 \renewcommand{\metropolis@block}[1]{
3183 \par\vskip\medskipamount%
3184 \setlength{\parskip}{0pt}
3185 \ifbeamercoloreempty[bg]{block title#1}{%
3186 \if@RTL
3187 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3188 \else
3189 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3190 \fi
3191 }{%
3192 \ifbeamercoloreempty[bg]{block title}{%
3193 \if@RTL
3194 \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3195 \else
3196 \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3197 \fi
3198 }%
3199 }%
3200 \if@RTL
3201 \begin{beamercolorbox}[
3202 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3203 rightskip=\metropolis@blockadjust,
3204 leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3205 ]{block title#1}%
3206 \else
3207 \begin{beamercolorbox}[
3208 sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,

```



```

3209     leftskip=\metropolis@blockadjust,
3210     rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3211   ]{block title#1}%
3212   \fi
3213 }}%
3214   \usebeamerfont*{block title#1}%
3215   \metropolis@strut%
3216   \insertblocktitle%
3217   \metropolis@strut%
3218   \end{beamercolorbox}%
3219   \nointerlineskip%
3220   \ifbeamercolorempy[bg]{block body#1}{%
3221     \begin{beamercolorbox}[vmode]{block body#1}}{
3222     \ifbeamercolorempy[bg]{block body}{%
3223       \begin{beamercolorbox}[vmode]{block body#1}%
3224     }{%
3225       \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3226       \vspace{-\metropolis@parskip}
3227     }}%
3228     \usebeamerfont{block body#1}%
3229     \setlength{\parskip}{\metropolis@parskip}%
3230 }
3231
3232
3233 \setbeamertemplate{footnote}{%
3234   \parindent 0em\noindent%
3235   \bidi@beamer@ragged
3236   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3237 }
3238
3239 \setbeamertemplate{RTLfootnote}{%
3240   \parindent 0em\noindent%
3241   \raggedleft
3242   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3243 }
3244
3245 \setbeamertemplate{LTRfootnote}{%
3246   \parindent 0em\noindent%
3247   \raggedright
3248   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3249 }
3250
3251 \setbeamertemplate{itemize items}{\textbullet}
3252
3253 \setbeamertemplate{section page}[progressbar]
3254
3255

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3256 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations f
3257 \setbeamertemplate{sections/subsections in toc}[square]
3258 \setbeamertemplate{items}[square]
3259

```



31 File beamerinnerthemeroounded-xetex-bidi.def

```
3260 \ProvidesFile{beamerinnerthemeroounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
3261 \setbeamertemplate{blocks}[rounded][shadow=\beamer@themeroounded@shadow]
3262 \setbeamertemplate{items}[ball]
3263 \setbeamertemplate{sections/subsections in toc}[ball]
3264
```

32 File beamerouterthemedefault-xetex-bidi.def

```
3265 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for
3266 \def\beamer@ftleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3267
3268 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
3269
3270 \AtBeginDocument{%
3271   \if@RTLmain
3272     \setbeamertemplate{frametitle}[default][right]
3273   \fi
3274 }
3275
3276 \bidi@csundef{beamer@@tmpop@note page@default}
3277
3278 \newcommand*{\bidi@beamer@today}{%
3279 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3280
3281 \defbeamer*{note page}{default}
3282 {%
3283   {%
3284     \scriptsize
3285     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3286     \ifbeamercolorempy[bg]{note title}{}%
3287       \insertvrule{.25\paperheight}{note title.bg}%
3288       \vskip-.25\paperheight%
3289       \nointerlineskip%
3290     }%
3291     \vbox{
3292       \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3293       \vskip-0.25\paperheight%
3294       \nointerlineskip
3295       \if@RTL
3296         \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3297           \begin{pgflowlevelscope}{\pgftransformrotate{-90}}
3298             {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}%
3299             \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3300             \end{pgflowlevelscope}
3301           \end{pgfpicture}%
3302         \else
3303         \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3304           \begin{pgflowlevelscope}{\pgftransformrotate{90}}
3305             {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}%
3306             \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3307           \end{pgflowlevelscope}
3308         \end{pgfpicture}%

```



```

3309     \fi}
3310     \nointerlineskip
3311     \vbox to .25\paperheight{\vskip0.5em
3312     \if@RTL
3313         \moveright0.25\textwidth
3314     \fi
3315     \hbox{\insertshorttitle[width=0.75\textwidth]}%
3316     \setbox\beamer@tempbox=\hbox{\insertsection}%
3317
3318 \if@RTL
3319     \moveright\dimexpr0.29\textwidth-14pt\relax
3320 \fi
3321 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3322     width0.4pt height7pt\vrule width 9pt
3323     height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3324     \if@RTL\endR\fi}%
3325     \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3326
3327 \if@RTL
3328     \moveright\dimexpr0.29\textwidth-27.4pt\relax
3329 \fi     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3330     width0.4pt height7pt\vrule width 9pt
3331     height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}
3332     \if@RTL\endR\fi}%
3333     \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3334
3335 \if@RTL
3336     \moveright\dimexpr0.33\textwidth-40.8pt\relax
3337 \fi     \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3338     width0.4pt height7pt\vrule width 9pt
3339     height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3340     \if@RTL\endR\fi}%
3341     \vfil}%
3342 }%
3343 \ifbeamercolorempy[bg]{note page}{}{%
3344     \nointerlineskip%
3345     \insertvrule{.75\paperheight}{note page.bg}%
3346     \vskip-.75\paperheight%
3347 }%
3348 \vskip.25em
3349 \nointerlineskip
3350 \insertnote
3351 }
3352
3353
3354

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3355 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for be
3356 \bidi@undef\beamer@@tmpop@footline@progressbar
3357
3358 \defbeamer*{footline}{progressbar}{%
3359     % If not appendix.

```



```

3360 \ifnum\mainend<0% From package appendixnumberbeamer.
3361 %
3362 \settowidth{\focus@pbar@leftoffset}{1}%
3363 \addtolength{\focus@pbar@leftoffset}{1.5em}%
3364 %
3365 \ifx\beamer@focus@totalframenummering\no%
3366 \settowidth{\focus@pbar@rightoffset}{}%
3367 \addtolength{\focus@pbar@rightoffset}{0.5em}%
3368 \else%
3369 \settowidth{\focus@pbar@rightoffset}{\inserttotalframenumber}%
3370 \addtolength{\focus@pbar@rightoffset}{1.5em}%
3371 \fi%
3372 %
3373 % If not title page.
3374 \ifnum\value{realframenumber}>0%
3375 \ifnum\value{framenumber}<\inserttotalframenumber%
3376 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footline}
3377 \pgfmathsetmacro{\focus@pbar@progress}%
3378 {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inserttotalframenumber-\value{framenumber})/\inserttotalframenumber}
3379
3380 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3381 \if@RTLmain
3382 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3383 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west];
3384 \else
3385 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\focus@pbar@height);
3386 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@rightoffset,0) node[anchor=east];
3387 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@rightoffset,0) node[anchor=east];
3388 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pbar@rightoffset,0) node[anchor=east];
3389 \fi
3390 \ifx\beamer@focus@totalframenummering\no%
3391 \else%
3392 \if@RTLmain
3393 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3394 \fill[footline.bg] (0,0) rectangle ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west];
3395 \else
3396 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3397 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height);
3398 \fi
3399 \fi%
3400 \end{tikzpicture}%
3401 \else%
3402 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3403 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3404 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3405 \if@RTLmain
3406 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\focus@pbar@height}) {\inserttotalframenumber-\value{framenumber}};
3407 \else
3408 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\focus@pbar@height}) {\inserttotalframenumber-\value{framenumber}};
3409 \fi
3410 \ifx\beamer@focus@totalframenummering\no%
3411 \else%
3412 \if@RTLmain
3413 \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\focus@pbar@height}) {\inserttotalframenumber-\value{framenumber}};

```



```

3414             \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{
3415 \else
3416             \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0
3417             \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@ri
3418 \fi
3419             \fi%
3420             \end{tikzpicture}%
3421             \fi%
3422             \fi%
3423             \fi%
3424 }
3425
3426

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3427 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations fo
3428 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3429
3430 \defbeamertemplate*{footline}{infolines theme}
3431 {%
3432   \leavevmode%
3433   \hbox{%
3434     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot
3435       \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\
3436       \end{beamercolorbox}%
3437     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}
3438       \usebeamerfont{title in head/foot}\insertshorttitle
3439     \end{beamercolorbox}%
3440     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,
3441       \hfill%
3442       \usebeamerfont{date in head/foot}%
3443       \insertshortdate{}%
3444       \hfill%
3445       \bgroup
3446       \usebeamerfont{page number in head/foot}%
3447       \usebeamerfont{page number in head/foot}%
3448       \usebeamertemplate{page number in head/foot}%
3449       \egroup
3450     \end{beamercolorbox}}%
3451     \vskip0pt%
3452 }
3453
3454 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3455
3456 \defbeamertemplate*{headline}{infolines theme}
3457 {%
3458   \leavevmode%
3459   \hbox{%
3460     \if@RTL
3461     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3462 \else
3463     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3464 \fi

```



```

3465 \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3466 \end{beamercolorbox}%
3467 \if@RTL
3468 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3469 \else
3470 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}
3471 \fi
3472 \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3473 \end{beamercolorbox}}%
3474 \vskip0pt%
3475 }
3476
3477 \bidi@AfterFile{beamerouterthememetroplit-xetex-bidi.def}{%
3478 \setbeamertemplate{footline}[infolines theme]%
3479 }
3480

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3481 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations f
3482 \setbeamertemplate{progress bar in head/foot}{
3483 \nointerlineskip
3484 \setlength{\metropolis@progressinheadfoot}{%
3485 \paperwidth * \ratio{\insertframenum ber pt}{\inserttotalframenum ber pt}%
3486 }%
3487 \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3488 \begin{tikzpicture}
3489 \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3490 \if@RTLmain
3491 \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \met
3492 \else
3493 \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinhead
3494 \fi
3495 \end{tikzpicture}%
3496 \end{beamercolorbox}
3497 }
3498
3499 \AtBeginDocument{%
3500 \setbeamertemplate{frametitle}[plain]%
3501 }
3502
3503

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3504 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3505 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3506
3507 \defbeamertemplate*{headline}{miniframes theme}
3508 {%
3509 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3510 \end{beamercolorbox}
3511 \begin{beamercolorbox}{section in head/foot}
3512 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt

```




```

3513 \end{beamercolorbox}%
3514 \ifbeamer@theme@subsection%
3515   \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3516   \end{beamercolorbox}
3517   \if@RTL
3518   \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3519     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3520   \else
3521   \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3522     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3523   \fi
3524   \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3525   \end{beamercolorbox}%
3526   \fi%
3527   \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3528   \end{beamercolorbox}
3529 }
3530
3531

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3532 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for
3533 \bidi@csundef{beamer@@tmpop@frametitle@sidebar theme}
3534
3535 \bidi@csundef{beamer@@tmpop@headline@sidebar theme}
3536
3537 \bidi@csundef{beamer@@tmpop@sidebar left@sidebar theme}
3538
3539 \bidi@csundef{beamer@@tmpop@sidebar right@sidebar theme}
3540
3541 \ifdim\beamer@headheight>0pt
3542
3543   \defbeamertemplate*{frametitle}{sidebar theme}
3544   {%
3545     \nointerlineskip%
3546     \ifbeamer@plainframe%
3547       \hbox{\usebeamercolor[bg]{frametitle}%
3548         \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3549         \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
3550         \nointerlineskip%
3551       \fi%
3552       \vskip-\beamer@headheight%
3553       \vbox to \beamer@headheight{%
3554         \vfil
3555         \bidi@beamer@leftskip=-\beamer@leftmargin%
3556         \advance\bidi@beamer@leftskip by0.3cm%
3557         \bidi@beamer@rightskip=-\beamer@rightmargin%
3558         \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3559         {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par
3560         \ifx\insertframesubtitle@empty\else%
3561           {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframes
3562         \fi%
3563       \vbox}%

```



```

3564     \vskip-1em%
3565     \vfil
3566   }%
3567 }
3568
3569 \AtBeginDocument{%
3570   \setbeamertheme{frametitle}[sidebar theme]%
3571 }
3572
3573 \defbeamertheme*{headline}{sidebar theme}
3574 {%
3575   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3576     \ifx\beamer@sidebarside\beamer@lefttext%
3577       \else%
3578         \hfill%
3579       \fi%
3580     \ifdim\beamer@sidebarwidth>0pt%
3581       \bgroup
3582       \usebeamercolor[bg]{logo}%
3583       \if@RTLmain
3584       \else
3585         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3586         \hskip-\beamer@sidebarwidth%
3587       \fi
3588       \hbox to \beamer@sidebarwidth{\hss\vbox to
3589         \beamer@headheight{\vss\hbox{\color{fg}\insertlogo}\vss}\hss}%
3590       \if@RTLmain
3591         \hskip-\beamer@sidebarwidth%
3592         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3593       \fi
3594       \egroup
3595     \else%
3596       \vrule width0pt height \beamer@headheight%
3597     \fi%
3598   \end{beamercolorbox}
3599 }
3600 \fi
3601
3602 \def\beamer@sidebarformat#1#2#3{%
3603 \if@RTL
3604   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{
3605 \else
3606   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{
3607 \fi
3608   \vbox{}%
3609   #3\par%
3610   \vbox{}%
3611   \vskip-1.5ex%
3612 \end{beamercolorbox}
3613 }
3614
3615 \ifdim\beamer@sidebarwidth>0pt
3616
3617 \AtBeginDocument{%

```



```

3618 \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3619 }
3620
3621 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
3622 {
3623   \beamer@tempdim=\beamer@sidebarwidth%
3624   \advance\beamer@tempdim by -6pt%
3625   {\usebeamerfont{title in sidebar}%
3626     \vskip1.5em%
3627     \hskip3pt%
3628     \bgroup
3629     \usebeamercolor[fg]{title in sidebar}%
3630     \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3631     \vskip1.25em%
3632   }%
3633   {%
3634     \hskip3pt%
3635     \bgroup
3636     \usebeamercolor[fg]{author in sidebar}%
3637     \usebeamerfont{author in sidebar}%
3638     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3639     \vskip1.25em%
3640   }%
3641   \insertverticalnavigation{\beamer@sidebarwidth}%
3642   \vfill
3643   \ifx\beamer@sidebarside\beamer@lefttext%
3644   \else%
3645     \usebeamercolor{normal text}%
3646     \llap{\usebeamerfont{navigation symbols}\hskip0.1cm}%
3647     \vskip2pt%
3648   \fi%
3649 }%
3650 \fi
3651

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3652 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for be
3653 \bidi@csundef{beamer@tmpop@footline@split theme}
3654
3655 \defbeamertemplate*{footline}{split theme}
3656 {%
3657   \leavevmode%
3658   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm p
3659 \else
3660 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightsk
3661 \fi
3662   \usebeamerfont{author in head/foot}\insertshortauthor
3663   \end{beamercolorbox}%
3664   \if@RTL
3665     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3666 \else
3667     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm
3668 \fi

```



```

3669   \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor
3670   \end{beamercolorbox}}%
3671   \vskip0pt%
3672 }
3673
3674

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

3675 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for b
3676 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitles
3677   color(0pt)=(frametitle right.bg);
3678   color(\paperwidth)=(frametitle.bg)
3679 }
3680
3681 \newcommand*\bidi@beamer@frametitleshade{%
3682   \if@RTLmain
3683     \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3684   \else
3685     \pgfuses shading{beamer@frametitleshade}%
3686   \fi
3687 }
3688
3689 \bidi@csundef{beamer@@tmpop@frametitle@shadow theme}
3690
3691 \defbeamertemplate*{frametitle}{shadow theme}
3692 {%
3693   \nointerlineskip%
3694   \vskip-2pt%
3695   \hbox{\leavevmode
3696     \advance\beamer@leftmargin by -12bp%
3697     \advance\beamer@rightmargin by -12bp%
3698     \beamer@tempdim=\textwidth%
3699     \advance\beamer@tempdim by \beamer@leftmargin%
3700     \advance\beamer@tempdim by \beamer@rightmargin%
3701     \hskip-\Gm@lmargin\hbox{%
3702       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3703         \vbox{\vskip-.75ex%
3704           \bidi@beamer@leftskip0.3cm%
3705           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3706           \bgroup\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle\insertframesubtitle\empty\else%
3707             {\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\insertframesubtitle}
3708           \fi%
3709           \nointerlineskip
3710           \vbox{}%
3711         \end{minipage}}%
3712       \beamer@tempdim=\ht\beamer@tempbox%
3713       \advance\beamer@tempdim by 2pt%
3714       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3715         \begin{pgfscope}
3716           \pgfsetfillcolor{black}%
3717           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3718           \pgfsetfading{beamer@topshadowmask}{}%
3719

```



```

3720         \pgfusepath{fill}%
3721     \end{pgfscope}
3722     \begin{pgfscope}
3723         \usebeamercolor{frametitle right}%
3724         \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3725         \pgfusepath{clip}%
3726         \pgftext [left,base]{\bidi@beamer@frametitleshade}%
3727     \end{pgfscope}
3728 \end{pgfpicture}
3729 \hskip-\paperwidth%
3730 \box\beamer@tempbox%
3731 }%
3732 \hskip-\Gm@rmargin%
3733 }%
3734 \vskip-2pt
3735 }
3736
3737 \AtBeginDocument{%
3738     \setbeamertemplate{frametitle}[shadow theme]%
3739 }
3740
3741

```

40 File beamerouterthemessmoothbars-xetex-bidi.def

```

3742 \ProvidesFile{beamerouterthemessmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3743 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3744
3745 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}
3746
3747 \defbeamer*{headline}{smoothbars theme}
3748 {%
3749     \pgfuses shading{beamer@barshade}%
3750     \vskip-0.05ex%
3751     \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3752     \begin{pgfpicture}
3753         \begin{pgfscope}%
3754             \ifbeamer@sb@subsection%
3755                 \pgfsetfillcolor{subsection in head/foot.bg}%
3756             \else%
3757                 \pgfsetfillcolor{section in head/foot.bg}%
3758             \fi%
3759             \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3760             \pgfsetfading{beamer@belowframetitlemask}{}%
3761             \pgfusepath{fill}%
3762         \end{pgfscope}%
3763     \end{pgfpicture}%
3764     \end{beamer colorbox}%
3765     \ifbeamer@sb@subsection%
3766         \vskip-9.75ex%
3767     \else%
3768         \vskip-6.85ex%
3769     \fi%
3770     \begin{beamer colorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}

```



```

3771 \insertnavigation{\paperwidth}
3772 \end{beamercolorbox}%
3773 \ifbeamer@sb@subsection%
3774 \if@RTL
3775 \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3776 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3777 \else
3778 \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3779 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3780 \fi
3781 \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3782 \end{beamercolorbox}%
3783 \fi%
3784 }%
3785
3786 \defbeamertemplate*{frametitle}{smoothbars theme}
3787 {%
3788 \nointerlineskip%
3789 \vskip-0.19ex%
3790 \usebeamerfont{headline}%
3791 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3792 \pgfuses shading{beamer@aboveframetitle}%
3793 \end{beamercolorbox}%
3794 \vskip-1ex%
3795 \nointerlineskip%
3796 \if@RTL
3797 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{framet
3798 \else
3799 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{framet
3800 \fi
3801 \vskip0.5ex%
3802 \usebeamerfont*{frametitle}\strut\insertframetitle%
3803 \ifx\insertframesubtitle\@empty%
3804 \strut\par%
3805 \else
3806 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insert
3807 \fi%
3808 \usebeamerfont{headline}%
3809 \vskip0.05ex%
3810 \end{beamercolorbox}%
3811 \nointerlineskip%
3812 \vskip-0.05ex%
3813 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3814 \begin{pgfpicture}
3815 \begin{pgfscope}%
3816 \pgfsetfillcolor{frametitle.bg}%
3817 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3818 \pgfsetfading{beamer@belowframetitlemask}{}%
3819 \pgfusepath{fill}%
3820 \end{pgfscope}%
3821 \end{pgfpicture}%
3822 \end{beamercolorbox}%
3823 }
3824

```



```

3825 \AtBeginDocument{%
3826   \setbeamertheme{frametitle}[smoothbars theme]%
3827 }
3828
3829

```

41 File beamerouterthemessmoothtree-xetex-bidi.def

```

3830 \ProvidesFile{beamerouterthemessmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations f
3831 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3832
3833 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3834
3835 \defbeamertheme*{headline}{smoothtree theme}
3836 {%
3837   \pgfuseshading{beamer@treeshade}%
3838   \vskip-0.05ex%
3839   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3840   \begin{pgfpicture}
3841     \begin{pgfscope}%
3842       \pgfsetfillcolor{subsection in head/foot.bg}%
3843       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3844       \pgfsetfading{beamer@belowframetitlemask}{}%
3845       \pgfusepath{fill}%
3846     \end{pgfscope}%
3847   \end{pgfpicture}%
3848   \end{beamercolorbox}%
3849   \vskip-9.15ex%
3850   \if@RTL
3851   \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3852     rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3853   \else
3854   \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3855     leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3856   \fi
3857   \usebeamerfont{title in head/foot}\insertshorttitle
3858   \end{beamercolorbox}
3859   \if@RTL
3860   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3861     rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3862   \else
3863   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3864     leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3865   \fi
3866   \usebeamerfont{section in head/foot}%
3867   \hskip6pt\insertsectionhead
3868   \end{beamercolorbox}
3869   \if@RTL
3870   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3871     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3872   \else
3873   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3874     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3875   \fi

```



```

3876 \usebeamerfont{subsection in head/foot}%
3877 \hskip12pt\insertsubsectionhead
3878 \end{beamercolorbox}
3879 \vskip-0.4ex%
3880 }
3881
3882 \defbeamertemplate*{frametitle}{smoothtree theme}
3883 {%
3884 \nointerlineskip%
3885 \vskip-0.05ex%
3886 \usebeamerfont{headline}%
3887 \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3888 \pgfuses shading{beamer@aboveframetitle}%
3889 \end{beamercolorbox}
3890 \nointerlineskip%
3891 \if@RTL
3892 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3893 \else
3894 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3895 \fi
3896 \vskip-1.2ex%
3897 \usebeamerfont*{frametitle}\strut\insertframetitle%
3898 \ifx\insertframesubtitle\@empty%
3899 \strut\par%
3900 \else
3901 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}
3902 \fi%
3903 \usebeamerfont{headline}%
3904 \end{beamercolorbox}%
3905 \nointerlineskip
3906 \vskip-0.2ex%
3907 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3908 \begin{pgfpicture}
3909 \begin{pgfscope}%
3910 \pgfsetfillcolor{frametitle.bg}%
3911 \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3912 \pgfsetfading{beamer@belowframetitlemask}{}%
3913 \pgfusepath{fill}%
3914 \end{pgfscope}%
3915 \end{pgfpicture}%
3916 \end{beamercolorbox}%
3917 }
3918
3919
3920 \AtBeginDocument{%
3921 \setbeamertemplate{frametitle}[smoothtree theme]%
3922 }
3923
3924

```

42 File beamerouterthemetree-xetex-bidi.def

```

3925 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
3926 \bidi@csundef{beamer@tmpop@headline@tree theme}

```




```

3927
3928 \defbeamer-template*{headline}{tree theme}
3929 {%
3930   \begin{beamer-colorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3931   \end{beamer-colorbox}
3932   \if@RTL
3933   \begin{beamer-colorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3934     rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/footer}
3935   \else
3936   \begin{beamer-colorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3937     leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/footer}
3938   \fi
3939   \usebeamerfont{title in head/footer}\insertshorttitle
3940   \end{beamer-colorbox}
3941   \if@RTL
3942   \begin{beamer-colorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3943     rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/footer}
3944   \else
3945   \begin{beamer-colorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3946     leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/footer}
3947   \fi
3948   \usebeamerfont{section in head/footer}%
3949   \ifbeamer@tree@showhooks
3950     \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3951     \ifdim\wd\beamer@tempbox>1pt%
3952       \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0}
3953       \hskip1pt%
3954     \fi%
3955   \else%
3956     \hskip6pt%
3957   \fi%
3958   \insertsectionhead
3959   \end{beamer-colorbox}
3960   \if@RTL
3961   \begin{beamer-colorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3962     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3963   \else
3964   \begin{beamer-colorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3965     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3966   \fi
3967   \usebeamerfont{subsection in head/footer}%
3968   \ifbeamer@tree@showhooks
3969     \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
3970     \ifdim\wd\beamer@tempbox>1pt%
3971       \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height}
3972       \hskip1pt%
3973     \fi%
3974   \else%
3975     \hskip12pt%
3976   \fi%
3977   \insertsubsectionhead
3978   \end{beamer-colorbox}
3979   \begin{beamer-colorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
3980   \end{beamer-colorbox}

```



```
3981 }
3982
3983
```

43 File beamerthemeHannover-xetex-bidi.def

```
3984 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beam
3985 \AtBeginDocument{%
3986   \if@RTLmain
3987     \setbeamertemplate{frametitle}[default][left]%
3988   \else
3989     \setbeamertemplate{frametitle}[default][right]%
3990   \fi
3991 }
3992
3993
```

44 File beamerthemeSingapore-xetex-bidi.def

```
3994 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for bea
3995 \addtoheadtemplate{\pgfuseshading{beamer@headfade}\vskip-1.25cm}{
3996
3997 \beamertemplatedotitem
3998
3999 \AtBeginDocument{%
4000   \setbeamertemplate{frametitle}[default][center]%
4001 }
4002
4003
```

45 File bidi.sty

```
4004 \NeedsTeXFormat{LaTeX2e}
4005 \def\bididate{2024/12/15}
4006 \def\bidi@version{40.4}
4007 \def\bidi@releasename{John Willard Milnor}
4008 \newcommand*{\bidireleasename}{\bidi@releasename}
4009 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\spa
4010 Bidirectional typesetting in plain TeX and LaTeX]
4011 \newif\if@bidi@banner
4012 \newif\if@bidi@pdfbanner
4013 \newif\if@footdir@debug
4014 \newif\if@extrafootnotefeatures
4015 \newif\if@nonlatin
4016 \newif\if@bidi@pdfm@mark
4017 \newif\if@bidi@perpage@footnote
4018 \ExplSyntaxOn
4019 \keys_define:nn { bidi }
4020 {
4021   banner .choice: ,
4022   banner / on .code:n = \@bidi@bannertrue ,
4023   banner / off .code:n = \@bidi@bannerfalse ,
4024   banner .default:n = on
4025 }
```



```

4026 \keys_define:nn { bidi }
4027 {
4028   PDFbanner .choice: ,
4029   PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4030   PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4031   PDFbanner .default:n = on
4032 }
4033 \keys_define:nn { bidi }
4034 {
4035   RTLdocument .choice: ,
4036   RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4037   RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4038   RTLdocument .default:n = on
4039 }
4040 \keys_define:nn { bidi }
4041 {
4042   rldocument .choice: ,
4043   rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4044   rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4045   rldocument .default:n = on
4046 }
4047 \keys_define:nn { bidi }
4048 {
4049   documentdirection .choice: ,
4050   documentdirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtrue} ,
4051   documentdirection / lefttoright .code:n = \AtEndOfPackage{\@RTLfalse}
4052 }
4053 \keys_define:nn { bidi }
4054 {
4055   tabledirection .choice: ,
4056   tabledirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtabtrue} ,
4057   tabledirection / lefttoright .code:n = \AtEndOfPackage{\@RTLtabfalse}
4058 }
4059 \keys_define:nn { bidi }
4060 {
4061   footnotedirection .choice: ,
4062   footnotedirection / righttoleft .code:n = \AtEndOfPackage{\@RTL@footnotetrue} ,
4063   footnotedirection / lefttoright .code:n = \AtEndOfPackage{\@RTL@footnotefalse}
4064 }
4065 \keys_define:nn { bidi }
4066 {
4067   debugfootnotedirection .choice: ,
4068   debugfootnotedirection / on .code:n = \footdir@debugtrue ,
4069   debugfootnotedirection / off .code:n = \footdir@debugfalse ,
4070   debugfootnotedirection .default:n = on
4071 }
4072 \keys_define:nn { bidi }
4073 {
4074   footnoterule .choice: ,
4075   footnoterule / automatic .code:n = \AtEndOfPackage{\autofootnoterule} ,
4076   footnoterule / left .code:n = \AtEndOfPackage{\leftfootnoterule} ,
4077   footnoterule / right .code:n = \AtEndOfPackage{\rightfootnoterule} ,
4078   footnoterule / split .code:n = \AtEndOfPackage{\SplitFootnoteRule} ,
4079   footnoterule / textwidth .code:n = \AtEndOfPackage{\textwidthfootnoterule}

```



```

4080 }
4081 \keys_define:nn { bidi }
4082 {
4083   extrafootnotefeatures .choice: ,
4084   extrafootnotefeatures / on .code:n = \@extrafootnotefeaturestrue ,
4085   extrafootnotefeatures / off .code:n = \@extrafootnotefeaturesfalse ,
4086   extrafootnotefeatures .default:n = on
4087 }
4088 \keys_define:nn { bidi }
4089 {
4090   script .choice: ,
4091   script / latin .code:n = \@nonlatinfalse ,
4092   script / nonlatin .code:n = \@nonlatintrue ,
4093   script .default:n = latin
4094 }
4095 \keys_define:nn { bidi }
4096 {
4097   DetectColumn .choice: ,
4098   DetectColumn / on .code:n =
4099     \def\bidi@firstcolumn@status@write{%
4100       \protected@write\@auxout{%
4101         {\string\bidi@column@status
4102           {1}}}
4103     \def\bidi@lastcolumn@status@write{%
4104       \protected@write\@auxout{%
4105         {\string\bidi@column@status{2}}} ,
4106   DetectColumn / off .code:n =
4107     \let\bidi@firstcolumn@status@write\relax
4108     \let\bidi@lastcolumn@status@write\relax ,
4109   DetectColumn .default:n = on
4110 }
4111 \keys_define:nn { bidi }
4112 {
4113   logo .choice: ,
4114   logo / on .code:n = \AtEndOfPackage{\AtBeginDocument{\@bidi@inslogo}} ,
4115   logo / off .code:n = \let\bidi@logo@\empty \let\bidi@inslogo@\empty ,
4116   logo .default:n = on
4117 }
4118 \keys_define:nn { bidi }
4119 {
4120   pdfinfo .choice: ,
4121   pdfinfo / on .code:n = \@bidi@pdfm@marktrue ,
4122   pdfinfo / off .code:n = \@bidi@pdfm@markfalse ,
4123   pdfinfo .default:n = on
4124 }
4125 % The `perpagefootnote' option is documented in UK TeX FAQ at
4126 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4127 \keys_define:nn { bidi }
4128 {
4129   perpagefootnote .choice: ,
4130   perpagefootnote / on .code:n = \@bidi@perpage@footnotetrue ,
4131   perpagefootnote / off .code:n = \@bidi@perpage@footnotefalse ,
4132   perpagefootnote .default:n = on
4133 }

```



```

4134 \keys_set:nn { bidi }
4135 {
4136     banner = on ,
4137     PDFbanner = on ,
4138     DetectColumn = off
4139 }
4140 }
4141 \ExplSyntaxOff
4142 \ProcessKeyOptions
4143 \edef\@bidi@info{*****^J%
4144 * ^J%
4145 * bidi package (Bidirectional typesetting in^J%
4146 * plain TeX and LaTeX, using XeTeX engine)^J%
4147 * ^J%
4148 * Description: A convenient interface for^J%
4149 * typesetting bidirectional texts in plain TeX^J%
4150 * and LaTeX. The package includes adaptations^J%
4151 * for use with many other commonly-used packages.^J%
4152 * ^J%
4153 * Copyright (c) 2007--2024 Vafa Khalighi^J%
4154 * Copyright (c) 2018--2020 bidi-tex GitHub organization^J%
4155 * ^J%
4156 * v\bidi@version\space (Release \bidi@releasename), \bididate^J%
4157 * ^J%
4158 * License: LaTeX Project Public License, version^J%
4159 * 1.3c or higher (your choice)^J%
4160 * ^J%
4161 * Location on CTAN: /macros/xetex/latex/bidi^J%
4162 * ^J%
4163 * Issue tracker: https://github.com/xepersian/bidi/issues^J%
4164 * ^J%
4165 * Discussions: https://github.com/xepersian/bidi/discussions^J%
4166 * ^J%
4167 * Primary author of bidi package: Vafa Khalighi.^J%
4168 * ^J%
4169 *****}
4170 \edef\bidi@everyjob{\the\everyjob}
4171 \if@bidi@banner
4172   \typeout{\@bidi@info}
4173   \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4174 \fi
4175 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
4176 \newcommand*{\IfbidiPackageVersionLater}[1]{%
4177   \ifdim\bidi@version pt > #1 pt %
4178     \expandafter\@firstoftwo
4179   \else
4180     \expandafter\@secondoftwo
4181   \fi}
4182 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
4183   \ifdim\bidi@version pt < #1 pt %
4184     \expandafter\@firstoftwo
4185   \else
4186     \expandafter\@secondoftwo
4187   \fi}

```



```

4188 \newcommand*{\IfbidiPackageVersion}[1]{%
4189   \ifdim\bidi@version pt = #1 pt %
4190     \expandafter\@firstoftwo
4191   \else
4192     \expandafter\@secondoftwo
4193   \fi}
4194 \RequirePackage{iftex}
4195 \RequireXeTeX
4196 \RequirePackage{biditools}
4197 \RequirePackage{zref-abspage}
4198 \RequirePackage{auxhook}
4199 \RequirePackage{ltxcmds}
4200 \eqnewif{\if@RTLmain}{\if@rlmain}
4201 \eqnewif{\if@RTL}{\if@rl}
4202 \newcommand*{\setlatin}{\@nonlatinfalse}
4203 \newcommand*{\setnonlatin}{\@nonlatintrue}
4204 \eqnewif{\if@RTLtab}{\if@tab@rl}
4205 \newif\if@hboxRconstruct
4206 \newif\if@bidi@pdfencrypt
4207 \newcommand*{\setRTLtable}{\@RTLtabtrue}
4208 \newcommand*{\setLTRtable}{\@RTLtabfalse}
4209 \newif\if@RTLMarginpar
4210 \newif\if@LTRmarginpar
4211 \newif\if@LTRbibitems
4212 \newif\if@RTLbibitems
4213 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4214 \newif\if@bidi@list@minipage@parbox
4215 \newif\if@bidi@list@minipage@parbox@not@nob
4216 \newcommand*{\@bidi@pdfcreator}{%
4217   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4218 }
4219 \newcommand*{\@bidi@pdfproducer}{%
4220   The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate
4221 }
4222 \newcommand*{\@bidi@pdfcustomproperties}{%
4223   This is the bidi package, Version \bidi@version\space (Release \bidi@releasename),
4224   Released December 15, 2024.
4225 }
4226 \newcommand*{\bidi@beamer@ragged}{%}
4227 \@RTLmainfalse
4228 \AtBeginDocument{%
4229   \if@RTLmain\else
4230     \if@RTL\@RTLmaintrue%
4231     \else\@RTLmainfalse%
4232   \fi%
4233   \fi%
4234 }
4235 \let\n@xt=\
4236 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4237 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt=}
4238 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4239 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt=}
4240 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4241   \errmessage{Missing left brace has been substituted}\fi \bgroup}

```



```

4242 \newinsert\@bidi@copyins@
4243 \skip\@bidi@copyins@=12\p@
4244 \dimen\@bidi@copyins@=40pc
4245 \count\@bidi@copyins@=1000
4246 \newcommand*\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
4247 \newcommand*\@bidi@logo@hb@xt@columnwidth}{%
4248   \if@RTLmain
4249     \if@twocolumn
4250       \hboxR to \columnwidth
4251     \else
4252       \hboxR to \textwidth
4253     \fi
4254   \else
4255     \if@twocolumn
4256       \hboxL to \columnwidth
4257     \else
4258       \hboxL to \textwidth
4259     \fi
4260   \fi
4261 }
4262 \newcommand*\@bidi@logo}[1]{%
4263   \toks@{%
4264     \setbox\z@\hbox{%
4265       \special{%
4266         pdf:image width 50pt height 50pt (#1)%
4267       }
4268     }%
4269     \dp\z@\z@
4270     \ht\z@=50pt
4271     \wd\z@=50pt
4272     \beginL
4273       \lower20pt\box\z@
4274     \endL
4275   }%
4276   \the\toks@
4277 }
4278 \newcommand*\@bidi@logo@}{%
4279   \@bidi@logo@hb@xt@columnwidth
4280   {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
4281     package\quad\@bidi@logo{bidi-logo.pdf}}}}
4282 \ExplSyntaxOn
4283 \keys_define:nn { bidi / pdfencrypt }
4284 {
4285   userpassword .code:n = \def\bidi@pdfencrypt@userpassword{#1} ,
4286   userpassword .default:n =
4287 }
4288 \keys_define:nn { bidi / pdfencrypt }
4289 {
4290   ownerpassword .code:n = \def\bidi@pdfencrypt@ownerpassword{#1} ,
4291   ownerpassword .default:n =
4292 }
4293 \keys_define:nn { bidi / pdfencrypt }
4294 {
4295   keylength .code:n = \def\bidi@pdfencrypt@keylength{#1} ,

```



```

4296     keylength .default:n = 128
4297   }
4298 \keys_define:nn { bidi / pdfencrypt }
4299   {
4300     permissionflags .code:n = \def\bidi@pdfencrypt@permissionflags{#1} ,
4301     permissionflags .default:n = 2052
4302   }
4303 \NewDocumentCommand \pdfencryptsetup {m} { \keys_set:nn { bidi / pdfencrypt } {#1} }
4304 \ExplSyntaxOff
4305 \@onlypreamble\pdfencryptsetup
4306 \input{latex-xetex-bidi.def}
4307 \input{loadingorder-xetex-bidi.def}
4308
4309 \pdfencryptsetup{%
4310   userpassword,%
4311   ownerpassword,%
4312   keylength,%
4313   permissionflags%
4314 }
4315
4316 \if@extrafootnotefeatures
4317   \input{extrafootnotefeatures-xetex-bidi.def}
4318 \fi
4319 \newcount\bidi@digits
4320 \XeTeXinterchartokenstate=\@ne
4321 \newXeTeXintercharclass\bidi@digits@charclass
4322 \newXeTeXintercharclass\bidi@sepmark@charclass
4323 \XeTeXcharclass `.\ \bidi@sepmark@charclass
4324 \XeTeXcharclass `-\ \bidi@sepmark@charclass
4325 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10
4326 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10
4327 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<10
4328 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
4329 \newcommand*\DigitsDotDashInterCharToks{\if@nonlatin\char"200F \fi}
4330 \bidi@AtEndPreamble{%
4331   \if@bidi@perpage@footnote
4332     \RequirePackage{bidi-perpage}%
4333     \ResetCounterPerPage{footnote}%
4334   \fi
4335   \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
4336     \ifx\bidi@pdfencrypt@userpassword\bidi@empty
4337       \@bidi@pdfencryptfalse
4338     \else
4339       \@bidi@pdfencrypttrue
4340     \fi
4341   \else
4342     \@bidi@pdfencrypttrue
4343   \fi
4344   \if@bidi@pdfencrypt
4345     \special{pdf:encrypt
4346       userpw (\bidi@pdfencrypt@userpassword)
4347       ownerpw (\bidi@pdfencrypt@ownerpassword)
4348       length \bidi@pdfencrypt@keylength
4349       perm \bidi@pdfencrypt@permissionflags

```




```

4350 }%
4351 \fi
4352 }
4353 \if@bidi@pdfbanner
4354 \if@bidi@pdfm@mark
4355 \AtEndDocument{%
4356 \special{pdf:%
4357 docinfo<<%
4358 /Creator(\@bidi@pdfcreator)%
4359 /Producer(\@bidi@pdfproducer)%
4360 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4361 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4362 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4363 }{}}%
4364 >>%
4365 }%
4366 }
4367 \else
4368 \AtEndDocument{%
4369 \special{pdf:%
4370 docinfo<<%
4371 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4372 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4373 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4374 }{}}%
4375 >>%
4376 }%
4377 }
4378 \fi
4379 \else
4380 \if@bidi@pdfm@mark
4381 \AtEndDocument{%
4382 \special{pdf:%
4383 docinfo<<%
4384 /Creator(\@bidi@pdfcreator)%
4385 /Producer(\@bidi@pdfproducer)%
4386 >>%
4387 }%
4388 }
4389 \fi
4390 \fi

```

46 File bidi.tex

```

4391 \def\bidiidate{2024/12/15}
4392 \catcode`@=11
4393 \def\bidi@version{40.4}
4394 \def\bidi@releasename{John Willard Milnor}
4395 \def\bidi@releasename{\bidi@releasename}
4396 \let \protect \relax
4397 \newlinechar`^^J
4398 \edef\@bidi@info{*****^^J%
4399 * ^^J%
4400 * bidi package (Bidirectional typesetting in^^J%

```



```

4401 * plain TeX and LaTeX, using XeTeX engine)^^^J%
4402 * ^^J%
4403 * Description: A convenient interface for^^J%
4404 * typesetting bidirectional texts in plain TeX^^J%
4405 * and LaTeX. The package includes adaptations^^J%
4406 * for use with many other commonly-used packages.^^J%
4407 * ^^J%
4408 * Copyright (c) 2007--2024 Vafa Khalighi^^J%
4409 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4410 * ^^J%
4411 * v\@bidi@version\space (Release \@bidi@releasename), \@bididate^^J%
4412 * ^^J%
4413 * License: LaTeX Project Public License, version^^J%
4414 * 1.3c or higher (your choice)^^J%
4415 * ^^J%
4416 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4417 * ^^J%
4418 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4419 * ^^J%
4420 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4421 * ^^J%
4422 * Primary author of bidi package: Vafa Khalighi.^^J%
4423 * ^^J%
4424 * *****}
4425 \edef\@bidi@everyjob{\the\everyjob}
4426 \message{\@bidi@info}
4427 \everyjob{\@bidi@everyjob\message{\@bidi@info}}
4428 \def\@bidiversion{%
4429   \relax
4430   \ifmode
4431     \@bidi@version
4432   \else
4433     $\@bidi@version$
4434   \fi
4435 }
4436 \input iftex.sty
4437 \RequireXeTeX
4438 \newif\if@bidi@pdfm@mark
4439 \newif\if@RTLmain
4440 \newif\if@RTL
4441 \newif\if@hboxRconstruct
4442 \newif\if@sentdir
4443 \newif\if@RTL@footnote
4444 \@RTLmainfalse
4445 \def\@setRTLmain{%
4446   \if@RTLmain\else
4447     \if@RTL\@RTLmaintrue%
4448     \else\@RTLmainfalse%
4449     \fi%
4450   \fi%
4451 }
4452 \let\n@xt=
4453 \protected\def\@LRE{\protect\pLRE}%
4454 \def\@pLRE{\protect\afterassignment\moreLRE \let\n@xt= }

```



```

4455 \protected\def\RLE{\protect\rLE}
4456 \def\rLE{\protect\afterassignment\moreRLE \let\n@xt= }
4457 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4458 \errmessage{Missing left brace has been substituted}\fi \bgroup}
4459 \newinsert\@bidi@copyins@
4460 \skip\@bidi@copyins@=12\p@
4461 \dimen\@bidi@copyins@=40pc
4462 \count\@bidi@copyins@=1000
4463 \def\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
4464 \def\@bidi@logo@hb@xt@{%
4465 \ifRTLmain
4466 \hboxR to
4467 \else
4468 \hboxL to
4469 \fi
4470 }
4471 \def\@bidi@logo#1{%
4472 \toks@{%
4473 \setbox\z@\hbox{%
4474 \special{%
4475 pdf:image width 50pt height 50pt (#1)%
4476 }
4477 }%
4478 \dp\z@\z@
4479 \ht\z@=50pt
4480 \wd\z@=50pt
4481 \beginL
4482 \lower20pt\box\z@
4483 \endL
4484 }%
4485 \the\toks@
4486 }
4487 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
4488 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
4489 \def\@bidi@pdfcreator{%
4490 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4491 }
4492 \def\@bidi@pdfproducer{%
4493 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4494 }
4495 \def\@bidi@pdfcustomproperties{%
4496 This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4497 Released December 15, 2024.
4498 }
4499 \def\@bidi@pdfm@mark{%
4500 \special{pdf:%
4501 docinfo<<%
4502 \if\@bidi@pdfm@mark
4503 /Creator(\@bidi@pdfcreator)%
4504 /Producer(\@bidi@pdfproducer)%
4505 \fi
4506 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4507 >>%
4508 }%

```



```

4509 }
4510 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
4511 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
4512 \input plain-xetex-bidi.def
4513 \@bidi@inslogo@
4514 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
4515 \catcode`@=12
4516 \bidipdfinfoon

```

47 File bidi2in1.sty

```

4517 \NeedsTeXFormat{LaTeX2e}
4518 \ProvidesPackage{bidi2in1}
4519 \pagestyle{plain}
4520 \newcount\evenpage
4521 \newcount\oddpager
4522 \twocolumn
4523 \def\@oddfoot{\evenpage=\thepage%
4524 \multiply\evenpage by 2%
4525 \oddpager=\the\evenpage%
4526 \advance\oddpager by -1%
4527 \hfil\the\evenpage\hfil\hfil\the\oddpager\hfil}%
4528 \def\@evenfoot{\evenpage=\thepage%
4529 \multiply\evenpage by 2%
4530 \oddpager=\the\evenpage%
4531 \advance\oddpager by -1%
4532 \hfil\the\oddpager\hfil\hfil\the\evenpage\hfil}%
4533 \textwidth 9.49in
4534 \textheight 6.7in
4535 \columnsep 0.9in
4536 \columnseprule 0.125pt
4537 \headheight 0cm
4538 \topmargin 0in
4539 \marginparwidth 0in
4540 \marginparsep 0in
4541 \hoffset 0.05in % Corrected
4542 \voffset -0.5in %top margin space is 1.0in by default
4543 \oddsidemargin 0in
4544 \evensidemargin 0in
4545 \headsep 0cm
4546 \topskip 0cm
4547 \parskip 0.15in %
4548 \headsep 0pt
4549 \special{papersize=11.69in,8.26in}
4550 \renewcommand\maketitle{\par
4551 \begingroup
4552 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4553 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4554 \long\def\@makefntext##1{\parindent 1em\noindent
4555 \hb@xt@1.8em{%
4556 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4557 \@maketitle
4558 \@thanks
4559 \endgroup

```



```

4560 \setcounter{footnote}{0}%
4561 \global\let\thanks\relax
4562 \global\let\maketitle\relax
4563 \global\let\@maketitle\relax
4564 \global\let\@thanks\@empty
4565 \global\let\@author\@empty
4566 \global\let\@date\@empty
4567 \global\let\@title\@empty
4568 \global\let\title\relax
4569 \global\let\author\relax
4570 \global\let\date\relax
4571 \global\let\and\relax
4572 }

```

48 File bidicode.sty

```

4573 \NeedsTeXFormat{LaTeX2e}
4574 \ProvidesPackage{bidicode}
4575 \RequirePackage{xcolor}
4576 \RequirePackage{showexpl}
4577 \definecolor{hellgelb}{rgb}{1,1,0.85}
4578 \definecolor{colKeys}{rgb}{0.2,0.4,0.8}
4579 \definecolor{colCS}{rgb}{0.2,0.4,0.8}
4580 \definecolor{colIdentifier}{rgb}{0,0,0}
4581 \definecolor{colComments}{rgb}{1,0,0}
4582 \definecolor{colString}{rgb}{0,0.5,0}
4583 \lstset{%
4584     language=[LaTeX]TeX,%
4585     float=hbp,%
4586     basicstyle=\ttfamily\small,%
4587     identifierstyle=\color{colIdentifier},%
4588     keywordstyle=\color{colKeys},%
4589     texcsstyle=\color{colCS},%
4590     stringstyle=\color{colString},%
4591     commentstyle=\color{colComments},%
4592     backgroundcolor=\color{hellgelb},%
4593     columns=flexible,%
4594     tabsize=4,%
4595     extendedchars=true,%
4596     showspaces=false,%
4597     showstringspaces=false,%
4598     numbers=left,%
4599     numbersep=0.9em,%
4600     numberstyle=\tiny,%
4601     frame=single,%
4602     captionpos=b,%
4603     xleftmargin=1em,%
4604     breaklines=true,%
4605     breakautoindent=false,%
4606     breakindent=0pt,%
4607     escapeinside=**,%
4608     pos=r,%
4609     explpreset={%
4610         xleftmargin=1em,%

```



```

4611     columns=flexible,%
4612     language=[LaTeX]TeX%
4613 },%
4614 moretexcs={%
4615     bididate,%
4616     bidiversion,%
4617     deflatingfont,%
4618     defpersianfont,%
4619     ding,%
4620     endLTR,%
4621     endRTL,%
4622     false,%
4623     falsesymbol,%
4624     junicode,%
4625     lr,%
4626     LR,%
4627     LRE,%
4628     LTR,%
4629     maketitle,%
4630     Nastaliq,%
4631     newfontfamily,%
4632     Parsifont,%
4633     part,%
4634     RL,%
4635     RLE,%
4636     RTL,%
4637     RTLcases,%
4638     SepMark,%
4639     setLR,%
4640     setLTR,%
4641     setRL,%
4642     setRTL,%
4643     settextfont,%
4644     subsection,%
4645     subsubsection,%
4646     tableofcontents,%
4647     text,%
4648     theequation,%
4649     thesection,%
4650     true,%
4651     truesymbol,%
4652     XePersian,%
4653     xepersiandate,%
4654     xepersianversion%
4655 }%
4656 }
4657 \newcommand\HLON{%
4658   \gdef\lst@alloverstyle##1{%
4659     \fboxrule=0pt
4660     \fboxsep=0pt
4661     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4662 }}
4663 \newcommand\HLOFF{%
4664   \xdef\lst@alloverstyle##1{##1}%

```



```

4665 }
4666 \newcommand\Larg [1]{\normalfont\itshape#1\}
4667 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
4668 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4669 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4670 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4671 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4672 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4673
4674 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4675 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4676 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
4677 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
4678 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]}}
4679 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
4680 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
4681
4682 \def\Lcs#1{\nxLcs{#1}}
4683 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4684 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4685
4686 \def\Coordx#1{${x_#1}$}
4687 \def\Coordy#1{${y_#1}$}
4688 \def\Coordz#1{${z_#1}$}
4689 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4690 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4691 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4692 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
4693 \def\CIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4694 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
4695 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
4696 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4697 \def\coordx#1{(${x_#1}$)}
4698 \def\coordy#1{(${y_#1}$)}
4699 \def\coordz#1{(${z_#1}$)}
4700 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
4701 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}})
4702
4703 \newsavebox{\boxdef}
4704 \newenvironment{BDef}
4705   {\begin{lrbox}\boxdef
4706     \def\arraystretch{1.0}
4707     \begin{tabular}{@{}l@{}l@{}l@{}}
4708   }
4709   {\end{tabular}\end{lrbox}}
4710
4711   {\BCmd\fbox{\usebox\boxdef}\endBCmd}
4712   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4713 }
4714
4715 \newenvironment{BDef*}
4716   {\begin{lrbox}\boxdef
4717     \def\arraystretch{1.0}
4718     \begin{tabular}{@{}l@{}l@{}l@{}}

```



```

4719 }
4720 {\end{tabular}\end{lrbox}
4721 {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
4722 \aftergroup\@afterindentfalse\aftergroup\@afterheading
4723 }
4724 \newenvironment{BCmd}{
4725 \@beginparpenalty-\@lowpenalty
4726 \topsep\BDefaboveskip
4727 \fboxsep3pt
4728 \flushleft}
4729 {\@endparpenalty\@M
4730 \@topsepadd\BDefbelowskip
4731 \endflushleft}
4732
4733 \newenvironment{BCmd*}{
4734 \@beginparpenalty\@M
4735 \topsep\BDefinlineskip
4736 \fboxsep3pt
4737 \flushleft}
4738 {\@endparpenalty5000
4739 \endflushleft}
4740
4741 \newskip\BDefaboveskip
4742 \newskip\BDefbelowskip
4743 \newskip\BDefinlineskip
4744 \setlength\BDefaboveskip{10pt plus 4pt}
4745 \setlength\BDefbelowskip{6pt}
4746 \setlength\BDefinlineskip{6pt}
4747
4748 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4749 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4750 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4751 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4752 \NeedsTeXFormat{LaTeX2e}
4753 \ProvidesPackage{bidiftnxtra}
4754 \newtoks\bidip@ftn
4755 \let\FN@sf@@footnote\footnote
4756 \let\FN@sf@@LTRfootnote\LTRfootnote
4757 \let\FN@sf@@RTLfootnote\RTLfootnote
4758 \def\footnote{\ifx\protect\@typeset@protect
4759 \expandafter\FN@sf@@footnote
4760 \else
4761 \expandafter\FN@sf@gobble@opt
4762 \fi
4763 }
4764 \def\LTRfootnote{\ifx\protect\@typeset@protect
4765 \expandafter\FN@sf@@LTRfootnote
4766 \else
4767 \expandafter\FN@sf@gobble@opt
4768 \fi
4769 }

```




```

4770 \def\RTLfootnote{\ifx\protect\@typeset@protect
4771   \expandafter\FN@sf@RTLfootnote
4772   \else
4773   \expandafter\FN@sf@gobble@opt
4774   \fi
4775 }
4776 \edef\FN@sf@gobble@opt{\noexpand\protect
4777   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
4778 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
4779   \@ifnextchar [%]
4780     \FN@sf@gobble@twobrace
4781     \@gobble
4782 }
4783 \def\FN@sf@gobble@twobrace[#1]#2{}
4784 \let\FN@sf@@footnotemark\footnotemark
4785 \def\footnotemark{\ifx\protect\@typeset@protect
4786   \expandafter\FN@sf@@footnotemark
4787   \else
4788   \expandafter\FN@sf@gobble@optonly
4789   \fi
4790 }
4791 \edef\FN@sf@gobble@optonly{\noexpand\protect
4792   \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
4793 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
4794   \@ifnextchar [%]
4795     \FN@sf@gobble@bracket
4796     {}%
4797 }
4798 \def\FN@sf@gobble@bracket[#1]{}
4799 \def\@tabular{%
4800   \leavevmode \hbox \bgroup
4801   \let\@footnotetext\@bidi@p@ftntext
4802   \let\@LTRfootnotetext\@bidi@p@LTRftntext
4803   \let\@RTLfootnotetext\@bidi@p@RTLftntext
4804   \let\@xfootnotenext\@bidi@p@xftntext
4805   \let\@xfootnote\@bidi@p@xfootnote
4806   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4807   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4808   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4809   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4810   \if@RTLtab\beginR \fi
4811   $\let\@acol\@tabacol
4812   \let\@classz\@tabclassz
4813   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
4814 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4815   \egroup $\if@RTLtab\endR\fi\egroup
4816   \ifx\@capttype\undefined
4817     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4818 \long\def\@bidi@p@ftntext#1{%
4819   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
4820   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4821 \long\def\@bidi@p@LTRftntext#1{%
4822   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4823   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%

```



```

4824 \long\def\bidi@p@RTLftntext#1{%
4825   \edef\@tempyii{\the\bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
4826   \global\bidi@p@ftn\expandafter{\@tempyii{#1}}}%
4827
4828
4829 \long\def\bidi@p@xftntext[#1]#2{%
4830   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\footnotetext[#1]{#2}}%
4831
4832 \long\def\bidi@p@xLTRftntext[#1]#2{%
4833   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\LTRfootnotetext[#1]{#2}}%
4834
4835 \long\def\bidi@p@xRTLftntext[#1]#2{%
4836   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\RTLfootnotetext[#1]{#2}}%
4837
4838
4839 \def\bidi@p@xfootnote[#1]{%
4840   \begingroup
4841     \csname c@\mpfn\endcsname #1\relax
4842     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4843   \endgroup
4844   \@footnotemark\bidi@p@xftntext[#1]}
4845
4846
4847 \def\bidi@p@xLTRfootnote[#1]{%
4848   \begingroup
4849     \csname c@\mpfn\endcsname #1\relax
4850     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4851   \endgroup
4852   \@footnotemark\bidi@p@xLTRftntext[#1]}
4853
4854
4855 \def\bidi@p@xRTLfootnote[#1]{%
4856   \begingroup
4857     \csname c@\mpfn\endcsname #1\relax
4858     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4859   \endgroup
4860   \@footnotemark\bidi@p@xRTLftntext[#1]}
4861
4862 \def\@xfloat #1[#2]{%
4863   \@nodocument
4864   \def \@capttype {#1}%
4865   \def \@fps {#2}%
4866   \@onelevel@sanitize \@fps
4867   \def \reserved@b {!}%
4868   \ifx \reserved@b \@fps
4869     \@fpsaddddefault
4870   \else
4871     \ifx \@fps \@empty
4872       \@fpsaddddefault
4873     \fi
4874   \fi
4875   \ifhmode
4876     \@bsphack
4877     \floatpenalty -\@Mii

```



```

4878 \else
4879 \@floatpenalty-\@Miii
4880 \fi
4881 \ifinner
4882 \@parmoderr\@floatpenalty\z@
4883 \else
4884 \@next\@currbox\@freelist
4885 {%
4886 \@tempcnta \sixt@n
4887 \expandafter \@tfor \expandafter \reserved@a
4888 \expandafter :\expandafter =\@fps
4889 \do
4890 {%
4891 \if \reserved@a h%
4892 \ifodd \@tempcnta
4893 \else
4894 \advance \@tempcnta \@ne
4895 \fi
4896 \fi
4897 \if \reserved@a t%
4898 \@setfpsbit \tw@
4899 \fi
4900 \if \reserved@a b%
4901 \@setfpsbit 4%
4902 \fi
4903 \if \reserved@a p%
4904 \@setfpsbit 8%
4905 \fi
4906 \if \reserved@a !%
4907 \ifnum \@tempcnta>15
4908 \advance\@tempcnta -\sixt@n\relax
4909 \fi
4910 \fi
4911 }%
4912 \@tempcntb \csname ftype@\@capttype \endcsname
4913 \multiply \@tempcntb \@xxxii
4914 \advance \@tempcnta \@tempcntb
4915 \global \count\@currbox \@tempcnta
4916 }%
4917 \@fltovf
4918 \fi
4919 \global \setbox\@currbox
4920 \color@vbox
4921 \normalcolor
4922 \vbox \bgroup
4923 \let\@footnotetext\@bidi@p@ftntext
4924 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4925 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4926 \let\@xfootnotenext\@bidi@p@xftntext
4927 \let\@xfootnote\@bidi@p@xfootnote
4928 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4929 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4930 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4931 \let\@xRTLfootnote\@bidi@p@xRTLfootnote

```



```

4932     \hsize\columnwidth
4933     \@parboxrestore
4934     \@floatboxreset
4935 }
4936 \def \@endfloatbox{%
4937     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4938     \@minipagefalse
4939     \outer@nobreak
4940     \egroup                %% end of vbox
4941     \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn
4942     \color@endbox
4943 }

```

50 File `bidimoderncv.cls`

```

4944 \NeedsTeXFormat{LaTeX2e}
4945 \ProvidesClass{bidimoderncv}
4946 \newif\if@DEBUG\@DEBUGfalse
4947 \DeclareOption{a4paper}{
4948     \setlength\paperheight{297mm}
4949     \setlength\paperwidth{210mm}}
4950 \DeclareOption{a5paper}{
4951     \setlength\paperheight{210mm}
4952     \setlength\paperwidth{148mm}}
4953 \DeclareOption{b5paper}{
4954     \setlength\paperheight{250mm}
4955     \setlength\paperwidth{176mm}}
4956 \DeclareOption{letterpaper}{
4957     \setlength\paperheight{11in}
4958     \setlength\paperwidth{8.5in}}
4959 \DeclareOption{legalpaper}{
4960     \setlength\paperheight{14in}
4961     \setlength\paperwidth{8.5in}}
4962 \DeclareOption{executivepaper}{
4963     \setlength\paperheight{10.5in}
4964     \setlength\paperwidth{7.25in}}
4965 \DeclareOption{landscape}{
4966     \setlength\@tempdima\paperheight}
4967     \setlength\paperheight{\paperwidth}
4968     \setlength\paperwidth{\@tempdima}}
4969 \newcommand\@ptsize{}
4970 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
4971 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
4972 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
4973 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4974 \DeclareOption{final}{\setlength\overfullrule{0pt}}
4975 \newif\if@colour\@colourtrue
4976 \DeclareOption{nocolour}{\@colourfalse}
4977 \ExecuteOptions{a4paper,11pt,colour,final}
4978 \ProcessOptions\relax
4979 \input{size1\@ptsize.clo}
4980 \RequirePackage{color}
4981 \RequirePackage{graphicx}
4982 \RequirePackage{ifthen}

```



```

4983 \RequirePackage{marvosym}
4984 \addtolength{\oddsidemargin}{-54pt}
4985 \addtolength{\textwidth}{109pt}
4986 \addtolength{\topmargin}{-70pt}
4987 \addtolength{\textheight}{122pt}
4988 \addtolength{\marginparsep}{-5pt}
4989 \addtolength{\marginparwidth}{-10pt}
4990 \RequirePackage{url}
4991 \RequirePackage{hyperref}
4992 \hypersetup{%
4993   breaklinks,
4994   baseurl      = http://,%
4995   pdfborder    = 0 0 0,%
4996   pdfpagemode  = UseNone,%
4997   pdfstartpage = 1}
4998 \AtEndOfClass{%
4999   \AtBeginDocument{%
5000     \hypersetup{%
5001       pdfauthor    = \@firstname~\@familyname,%
5002       pdftitle     = \@title,%
5003       pdfsubject   = \@firstname~\@familyname,%
5004       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}}
5005 \urlstyle{tt}
5006 \RequirePackage{fancyhdr}
5007 \fancypagestyle{plain}{%
5008   \renewcommand{\headrulewidth}{0pt}
5009   \renewcommand{\footrulewidth}{0pt}
5010   \fancyhf{}}
5011 \pagestyle{plain}
5012 \setlength\lineskip{1\p@}
5013 \setlength\normallineskip{1\p@}
5014 \renewcommand\baselinestretch{}
5015 \setlength{\parindent}{0pt}
5016 \setlength{\parskip}{0pt}
5017 \setlength\columnsep{10\p@}
5018 \setlength\columnseprule{0\p@}
5019 \pagestyle{empty}
5020 \pagenumbering{arabic}
5021 \raggedbottom
5022 \onecolumn
5023 \providecommand*\listitemssymbol{\textbullet}
5024 \providecommand*\addresssymbol{}
5025 \providecommand*\mobilesymbol{\Mobilefone}
5026 \providecommand*\phonesymbol{\Telefon}
5027 \providecommand*\faxsymbol{\FAX}
5028 \providecommand*\emailsymbol{\Letter}
5029 \definecolor{firstnamecolor}{rgb}{0,0,0}
5030 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
5031 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
5032 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
5033 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
5034 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
5035 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
5036 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}

```



```

5037 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}
5038 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}
5039 \providecommand*\{firstnamefont}\{}
5040 \providecommand*\{familynamefont}\{}
5041 \providecommand*\{titlefont}\{}
5042 \providecommand*\{addressfont}\{}
5043 \providecommand*\{quote font}\{}
5044 \providecommand*\{sectionfont}\{}
5045 \providecommand*\{subsectionfont}\{}
5046 \providecommand*\{hintfont}\small}
5047 \providecommand*\{firstnamestyle}[1]{\{firstnamefont\@firstnamecolour#1}}
5048 \providecommand*\{familynamestyle}[1]{\{familynamefont\@familynamecolour#1}}
5049 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
5050 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
5051 \providecommand*\{quotestyle}[1]{\{quote font\@quotecolour#1}}
5052 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
5053 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
5054 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
5055 \newcommand*\{cvtheme}[2][\{
5056 \def\@cvtheme#2}
5057 \def\@cvthemeoptions#1}}
5058 \cvtheme{bidi-casual}
5059 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
5060 \newcommand*\{resumename}[1]{\def\@resumename#1}}
5061 \newcommand*\{firstname}[1]{\def\@firstname#1}}
5062 \newcommand*\{familyname}[1]{\def\@familyname#1}}
5063 \renewcommand*\{title}[1]{\def\@title#1}}
5064 \newcommand*\{address}[1]{\def\@address#1}}
5065 \newcommand*\{mobile}[1]{\def\@mobile#1}}
5066 \newcommand*\{phone}[1]{\def\@phone#1}}
5067 \renewcommand*\{fax}[1]{\def\@fax#1}}
5068 \newcommand*\{email}[1]{\def\@email#1}}
5069 \newcommand*\{extrainfo}[1]{\def\@extrainfo#1}}
5070 \def\@photowidth{0pt}
5071 \newcommand*\{photo}[2][64pt]{\def\@photowidth#1\def\@photo#2}}
5072 \newcommand*\{quote}[1]{\def\@quote#1}}
5073 \newlength{\quotewidth}
5074 \newlength{\hintscolumnwidth}
5075 \newlength{\separatorcolumnwidth}
5076 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5077 \newlength{\maincolumnwidth}
5078 \newlength{\doubleitemmaincolumnwidth}
5079 \newlength{\listitemsymbolwidth}
5080 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
5081 \newlength{\listitemmaincolumnwidth}
5082 \newlength{\listdoubleitemmaincolumnwidth}
5083 \newcommand*\{recomputethemelengths}\{}
5084 \newcommand*\{recomputelengths}\{
5085 \setlength{\quotewidth}{0.65\textwidth}%
5086 \setlength{\maincolumnwidth}{\textwidth}%
5087 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5088 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5089 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
5090 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%

```



```

5091 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5092 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5093 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5094 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5095 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
5096 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5097 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
5098 \renewcommand{\headwidth}{\textwidth}%
5099 \recomputethemelengths}
5100 \setlength{\hintscolumnwidth}{0.15\textwidth}
5101 \recomputelengths
5102 \title{}
5103 \renewcommand*\maketitle{}
5104 \newcommand*\section}[1]{%
5105 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5106 \phantomsection}%
5107 \addcontentsline{toc}{part}{#1}%
5108 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5109 \hspace{\separatorcolumnwidth}%
5110 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\ [1ex]}
5111 \newcommand*\subsection}[1]{%
5112 \cvline[0.45em]{\subsectionstyle{#1}}
5113 \newcommand*\cvline}[3][.25em]{%
5114 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
5115 \bidi@raggedleft\hintfont{#2} &{#3}%
5116 \end{tabular}\ [1]}
5117 \newcommand*\cvdoubleitem}[4]{%
5118 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}
5119 \hfill%
5120 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{
5121 \newcommand*\cvlistitem}[2][\listitemsymbol{}]{%
5122 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
5123 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol{}]{%
5124 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}
5125 \hfill%
5126 \ifthenelse{equal{#3}{}}{
5127 {}%
5128 {#1-\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
5129 \newcommand*\cventry}[6]{%
5130 \cvline{#1}{%
5131 {\bfseries#2}%
5132 \ifx#3\else{, {\slshape#3}}\fi%
5133 \ifx#4\else{, #4}\fi%
5134 \ifx#5\else{, #5}\fi%
5135 .%
5136 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5137 }%
5138 \newcommand*\cvlanguage}[3]{%
5139 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{
5140 \newcommand*\cvcomputer}[4]{%
5141 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
5142 \newcommand*\link}[2][ ]{%
5143 \ifthenelse{equal{#1}{}}{
5144 {\href{#2}{#2}}%

```



```

5145     {\href{#2}{#1}}
5146 \newcommand*{\httplink}[2] [] {%
5147   \ifthenelse{\equal{#1}{}}{%
5148     {\href{http://#2}{#2}}%
5149     {\href{http://#2}{#1}}}
5150 \newcommand*{\emallink}[2] [] {%
5151   \ifthenelse{\equal{#1}{}}{%
5152     {\href{mailto:#2}{#2}}%
5153     {\href{mailto:#2}{#1}}}
5154 \newif\if@displaypagenumbers\@displaypagenumberstrue
5155 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5156 \AtBeginDocument{%
5157   \if@displaypagenumbers%
5158     \@ifundefined{r@lastpage}{}{%
5159       \ifthenelse{\pageref{lastpage} > 1}{%
5160         \fancypagestyle{plain}{%
5161           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pa
5162           \pagestyle{plain}}{}}%
5163       \AtEndDocument{\label{lastpage}}%
5164     \fi}
5165 \newlength{\bibindent}
5166 \setlength{\bibindent}{1.5em}
5167 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5168 \newenvironment{thebibliography}[1]{%
5169   {%
5170     \section{\refname}%
5171     \small%
5172     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5173     \bidi@thebibliography@font@hook%
5174     \begin{list}{\bibliographyitemlabel}%
5175       {%
5176         \setlength{\topsep}{0pt}%
5177         \setlength{\labelwidth}{\hintscolumnwidth}%
5178         \setlength{\labelsep}{\separatorcolumnwidth}%
5179         \leftmargin\labelwidth%
5180         \advance\leftmargin\labelsep%
5181         \@openbib@code%
5182         \usecounter{enumiv}%
5183         \let\p@enumiv\@empty%
5184         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5185       \sloppy\clubpenalty4000\widowpenalty4000%
5186     }%
5187   {%
5188     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5189     \end{list}%
5190   }
5191 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5192 \let\@openbib@code\@empty

```

51 File bidi-perpage.sty

```

5193 \NeedsTeXFormat{LaTeX2e}
5194 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5195 \newcount\bidi@page@count

```




```

5196 \bidi@page@count\@ne
5197 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5198   \if@bidi@csundef{bidi@stepcounterhook@#2}{%
5199     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{%
5200   }}%
5201   \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5202     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5203   }}%
5204   \if@bidi@csundef{bidi@#2@count}{%
5205     \expandafter\newcount\csname bidi@#2@count\endcsname
5206   }}%
5207   \csname bidi@#2@count\endcsname\z@
5208   \if@bidi@csundef{bidi@previous@page@#2@count}{%
5209     \expandafter\newcount\csname
5210       bidi@previous@page@#2@count\endcsname
5211   }}%
5212   \csname bidi@previous@page@#2@count\endcsname\z@
5213   \if@bidi@csundef{bidi@reset@#2@perpage}{%
5214     \bidi@AfterEndDocumentCheckLabelsRerun{%
5215       \csname if@bidi@reset@#2@rerun\endcsname
5216       \PackageWarningNoLine{bidi-perpage}{%
5217         Counter `#2' may not have been reset per page.
5218         Rerun to reset counter `#2' per page%
5219       }}%
5220     \fi
5221   }}%
5222 }}%
5223 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5224   \global\advance\csname bidi@#2@count\endcsname\@ne
5225   \if@filesw
5226     \edef\@tempa{%
5227       \write\@auxout{%
5228         \string\bidi@counter@page{#2}%
5229         {\number\csname bidi@#2@count\endcsname}%
5230         {\noexpand\number\noexpand\bidi@page@count}%
5231       }}%
5232     }%
5233     \@tempa
5234   \fi
5235   \begingroup\expandafter\expandafter\expandafter\endgroup
5236   \expandafter\ifx\csname bidi@#2@@\number\csname
5237     bidi@#2@count\endcsname\endcsname\relax
5238     \global\csname @bidi@reset@#2@reruntrue\endcsname
5239   \else
5240     \global\csname @bidi@reset@#2@rerunfalse\endcsname
5241     \expandafter\@tempcnta\csname bidi@#2@@\number
5242     \csname bidi@#2@count\endcsname\endcsname\relax
5243     \ifnum\@tempcnta=\csname
5244       bidi@previous@page@#2@count\endcsname
5245     \else
5246       \global\csname
5247         bidi@previous@page@#2@count\endcsname\@tempcnta
5248       \global\csname c@#2\endcsname#1\relax
5249     \fi

```



```

5250 \fi
5251 }%
5252 \expandafter\@bidi@gappto\csname
5253 bidi@stepcounterhook@#2\endcsname{%
5254 \csname bidi@reset@#2@perpage\endcsname
5255 }%
5256 }
5257 \def\@bidi@counter@page#1#2#3{\@bidi@namegdef{bidi@#1@#2}{#3}}
5258 \bidi@AtEndOutputPage{%
5259 \global\advance\@bidi@page@count\@ne
5260 }

```

52 File biditools.sty

```

5261 \NeedsTeXFormat{LaTeX2e}
5262 \ProvidesPackage{biditools}[2024/12/07 v2.4 Programming tools for bidi package]
5263 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
5264 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5265 \ifx\@tempa\@tempb \global\let#2#1%
5266 \else
5267 \edef\@tempb{\meaning#2}%
5268 \ifx\@tempa\@tempb
5269 \else
5270 \latex@error{Unable to properly define \string#2; primitive
5271 \noexpand#1no longer primitive}\@eha
5272 \fi
5273 \fi
5274 \endgroup}
5275 \newtoks\@bidi@envbody
5276 \newtoks\@bidi@emptytoks
5277 \def\@bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5278 \def\@bidi@collect@body#1{%
5279 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5280 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
5281 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5282 \begingroup
5283 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
5284 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
5285 \bidi@process@envbody
5286 }
5287 \def\@bidi@push@begins#1\begin#2{%
5288 \ifx\end#2\else b\expandafter\@bidi@push@begins\fi
5289 }
5290 \def\@bidi@collect@@body#1\end#2{%
5291 \edef\begin@bidi@stack{\@bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5292 \ifx\@empty\begin@bidi@stack
5293 \endgroup
5294 \@checkend{#2}%
5295 \bidi@addto@envbody{#1}%
5296 \else
5297 \bidi@addto@envbody{#1\end{#2}}%
5298 \fi
5299 \bidi@process@envbody % A little tricky! Note the grouping
5300 }

```



```

5301 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5302 \long\def\bidi@collect@long@body#1{%
5303   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
5304   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\currentenv}}}%
5305   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5306   \begingroup
5307   \expandafter\let\csname\@currentenv\endcsname\bidi@collect@long@body
5308   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5309   \bidi@process@envbody
5310 }
5311 \long\def\bidi@push@long@begins#1\begin#2{%
5312   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
5313 }
5314 \long\def\bidi@collect@long@@body#1\end#2{%
5315   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5316   \ifx\@empty\begin@bidi@stack
5317     \endgroup
5318     \@checkend{#2}%
5319     \bidi@addto@long@envbody{#1}%
5320   \else
5321     \bidi@addto@long@envbody{#1\end{#2}}}%
5322   \fi
5323   \bidi@process@envbody % A little tricky! Note the grouping
5324 }
5325 \long\def\bidi@new@ifnextchar#1#2#3{%
5326   \let\reserved@d= #1%
5327   \def\reserved@a{#2}\def\reserved@b{#3}%
5328   \futurelet\@let@token\bidi@new@ifnch
5329 }
5330 \def\bidi@new@ifnch{%
5331   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5332   \reserved@b
5333 }
5334 \def\bidi@matrix@check#1{%
5335   \expandafter\ifx\csname\@currentenv\endcsname#1%
5336   \else\bidi@matrix@error#1%
5337   \expandafter\@gobble
5338   \fi
5339 }
5340 \def\bidi@matrix@error#1{%
5341   \PackageError{biditools}{%
5342 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5343 }{%
5344 ``\string#1{...}' is old bidi package syntax whose use is
5345 ill-advised in the old versions of bidi package.%
5346 }%
5347 }
5348 \def\@tagsextension{clo}
5349 \def\@definitionfileextension{def}
5350 \def\@texfileextension{tex}
5351 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
5352 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
5353 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
5354 \def\eqnewif#1#2{%

```



```

5355 \count@\escapechar \escapechar\m@ne
5356 \let#1\iffalse
5357 \let#2\iffalse
5358 \eq@if#1#2\iftrue
5359 \eq@if#1#2\iffalse
5360 \escapechar\count@}
5361 \def\eq@if#1#2#3{%
5362 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5363 \expandafter@gobbletwo\string#3\endcsname
5364 {\let#1#3%
5365 \let#2#3}%
5366 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5367 \expandafter@gobbletwo\string#3\endcsname
5368 {\let#2#3%
5369 \let#1#3}}
5370 \def\noteqnewif#1#2{%
5371 \count@\escapechar \escapechar\m@ne
5372 \let#1\iffalse
5373 \let#2\iffalse
5374 \not@eq@if#1#2\iftrue\iffalse
5375 \escapechar\count@}
5376 \def\not@eq@if#1#2#3#4{%
5377 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5378 \expandafter@gobbletwo\string#3\endcsname
5379 {\let#1#3%
5380 \let#2#4}%
5381 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5382 \expandafter@gobbletwo\string#4\endcsname
5383 {\let#1#4%
5384 \let#2#3}%
5385 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5386 \expandafter@gobbletwo\string#3\endcsname
5387 {\let#2#3%
5388 \let#1#4}%
5389 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5390 \expandafter@gobbletwo\string#4\endcsname
5391 {\let#2#4%
5392 \let#1#3}}
5393 \newcommand*\SetBoolean}[2]{%
5394 \lowercase{\def\@tempa{#2}}%
5395 \@ifundefined{@tempswa\@tempa}%
5396 {\PackageError{biditools}%
5397 {You can only set a boolean to `true' or `false'}\@ehc}%
5398 {\@ifundefined{#1\@tempa}%
5399 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5400 {\csname#1\@tempa\endcsname}}}
5401 \newcommand*\GlobalSetBoolean}[2]{%
5402 \lowercase{\def\@tempa{#2}}%
5403 \@ifundefined{@tempswa\@tempa}%
5404 {\PackageError{biditools}%
5405 {You can only set a boolean to `true' or `false'}\@ehc}%
5406 {\@ifundefined{#1\@tempa}%
5407 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5408 {\global\csname#1\@tempa\endcsname}}}

```



```

5409 \newcommand*\SetatBoolean}[2]{%
5410 \lowercase{\def\@tempa{#2}}%
5411 \@ifundefined{@tempwa\@tempa}%
5412 {\PackageError{biditools}%
5413 {You can only set a boolean to `true' or `false'}\@ehc}%
5414 {\@ifundefined{@#1\@tempa}%
5415 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5416 {\csname @#1\@tempa\endcsname}}}
5417 \newcommand*\GlobalSetatBoolean}[2]{%
5418 \lowercase{\def\@tempa{#2}}%
5419 \@ifundefined{@tempwa\@tempa}%
5420 {\PackageError{biditools}%
5421 {You can only set a boolean to `true' or `false'}\@ehc}%
5422 {\@ifundefined{@#1\@tempa}%
5423 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5424 {\global\csname @#1\@tempa\endcsname}}}
5425 \def\@bidi@removefromreset#1#2{%
5426 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5427 \def\@elt##1{%
5428 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5429 \else
5430 \noexpand\@elt{##1}%
5431 \fi}%
5432 \expandafter\xdef\csname cl@#2\endcsname{%
5433 \csname cl@#2\endcsname}}}
5434 \newcommand*\ifRtoL{%
5435 \if@RTL
5436 \expandafter\@firstoftwo
5437 \else
5438 \expandafter\@secondoftwo
5439 \fi}
5440 \newcommand*\ifLtoR{%
5441 \if@RTL
5442 \expandafter\@secondoftwo
5443 \else
5444 \expandafter\@firstoftwo
5445 \fi}
5446 \newcommand*\ifRtoLtable{%
5447 \if@RTLtab
5448 \expandafter\@firstoftwo
5449 \else
5450 \expandafter\@secondoftwo
5451 \fi}
5452 \newcommand*\ifLtoRtable{%
5453 \if@RTLtab
5454 \expandafter\@secondoftwo
5455 \else
5456 \expandafter\@firstoftwo
5457 \fi}
5458 \newcommand*\ifRtoLhboxconstruct{%
5459 \if@hboxRconstruct
5460 \expandafter\@firstoftwo
5461 \else
5462 \expandafter\@secondoftwo

```



```

5463 \fi}
5464 \newcommand*{\ifLtoR hboxconstruct}{%
5465 \if@hboxRconstruct
5466 \expandafter\@secondoftwo
5467 \else
5468 \expandafter\@firstoftwo
5469 \fi}
5470 \newcommand*{\iflatin}{%
5471 \if@nonlatin
5472 \expandafter\@secondoftwo
5473 \else
5474 \expandafter\@firstoftwo
5475 \fi}
5476 \newcommand*{\ifnonlatin}{%
5477 \if@nonlatin
5478 \expandafter\@firstoftwo
5479 \else
5480 \expandafter\@secondoftwo
5481 \fi}
5482
5483 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
5484 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5485
5486 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
5487 \dimexpr #1*65536/\dimexpr 1pt\relax}
5488
5489 \newcommand*{\if@bidi@csdef}[1]{%
5490 \ifcsname#1\endcsname
5491 \expandafter\@firstoftwo
5492 \else
5493 \expandafter\@secondoftwo
5494 \fi}
5495 \newcommand*{\if@bidi@csundef}[1]{%
5496 \ifcsname#1\endcsname
5497 \expandafter\ifx\csname#1\endcsname\relax
5498 \expandafter\expandafter
5499 \expandafter\@firstoftwo
5500 \else
5501 \expandafter\expandafter
5502 \expandafter\@secondoftwo
5503 \fi
5504 \else
5505 \expandafter\@firstoftwo
5506 \fi}
5507 \newcommand*{\if@bidi@def}[1]{%
5508 \ifdefined#1%
5509 \expandafter\@firstoftwo
5510 \else
5511 \expandafter\@secondoftwo
5512 \fi}
5513 \newcommand*{\if@bidi@undef}[1]{%
5514 \ifdefined#1%
5515 \ifx#1\relax
5516 \expandafter\expandafter

```



```

5517     \expandafter\@firstoftwo
5518     \else
5519     \expandafter\expandafter
5520     \expandafter\@secondoftwo
5521     \fi
5522     \else
5523     \expandafter\@firstoftwo
5524     \fi}
5525 \newcommand{\if@bidi@blank}[1]{% from url.sty
5526   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5527 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
5528 \newcommand{\bidi@notblank}[1]{%
5529   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5530 \newcommand{\if@bidi@defmacro}{%
5531 \long\edef\if@bidi@defmacro#1{%
5532   \noexpand\expandafter\noexpand\bidi@ifdefmacro
5533   \noexpand\meaning#1\detokenize{macro}:&}
5534 \edef\bidi@ifdefmacro{%
5535   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5536 \bidi@ifdefmacro{\bidi@notblank{#2}}
5537 \newcommand*\if@bidi@csmacro}[1]{%
5538   \if@bidi@csdef{#1}
5539     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5540     {\@secondoftwo}}
5541 \newcommand{\if@bidi@defprimitive}[1]{%
5542   \ifprimitive#1%
5543     \expandafter\@firstoftwo
5544     \else
5545     \expandafter\@secondoftwo
5546     \fi}
5547 \newcommand{\if@bidi@csprimitive}[1]{%
5548   \begingroup\expandafter\expandafter\expandafter\endgroup%
5549   \expandafter\ifprimitive\csname#1\endcsname%
5550   \expandafter\@firstoftwo
5551   \else
5552   \expandafter\@secondoftwo
5553   \fi}
5554 \newcommand*\bidi@csdefcs}[2]{%
5555 \expandafter\@ifdefinable \csname#1\endcsname{%
5556 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5557 \newcommand*\bidi@csletcs}[2]{%
5558 \expandafter\@ifdefinable \csname#1\endcsname{%
5559 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
5560 \newcommand*\bidi@cslet}[2]{%
5561 \expandafter\@ifdefinable \csname#1\endcsname{%
5562 \expandafter\let\csname#1\endcsname#2}}
5563 \newcommand{\bidi@namelongdef}[1]{%
5564 \long\expandafter\def\csname #1\endcsname}
5565 \newcommand{\bidi@namelonggdef}[1]{%
5566 \long\expandafter\gdef\csname #1\endcsname}
5567 \newcommand{\bidi@namelongedef}[1]{%
5568 \long\expandafter\edef\csname #1\endcsname}
5569 \newcommand{\bidi@namelongxdef}[1]{%
5570 \long\expandafter\xdef\csname #1\endcsname}

```



```

5571 \def\ bidi@ensure@newcommand{\@star@or@long\ bidi@ensure@new@command}
5572 \def\ bidi@ensure@new@command#1{%
5573   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
5574   \expandafter\if@bidi@csundef\@gtempa
5575     {\new@command#1}\relax%
5576   \let\@ifdefinable\@rc@ifdefinable%
5577   \new@command#1}
5578 \def\ bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
5579
5580 \protected\def\ bidi@error{\PackageError{bidi}}
5581 \protected\def\ bidi@warning{\PackageWarning{bidi}}
5582 \protected\def\ bidi@warningnoline{\PackageWarningNoLine{bidi}}
5583 \protected\def\ bidi@info{\PackageInfo{bidi}}
5584
5585 \def\ bidi@pos#1#2#3#4{\ bidi@namegdef\ bidi@#1pos@@#2@#3}{#4}
5586
5587 \newcount\ bidi@poscount
5588
5589 \newcommand*\WriteStartXPostoaux{%
5590   \global\advance\ bidi@poscount\@ne
5591   \edef\@tempa{%
5592     \write\@auxout{%
5593       \string\ bidi@pos{x}{start}{\number\ bidi@poscount}{\noexpand\number\noexpand\pdflast
5594     }%
5595   }%
5596   \ifvmode
5597     \leavevmode
5598   \fi
5599   \if@RTL
5600     \if@filesw
5601       \@tempa
5602     \fi
5603   \pdfsavepos
5604   \else
5605     \pdfsavepos
5606     \if@filesw
5607       \@tempa
5608     \fi
5609   \fi
5610   \if@bidi@csundef\ bidi@xpos@@start@\number\ bidi@poscount}{%
5611     \PackageWarningNoLine{biditools}{%
5612       The start x position '\number\ bidi@poscount' is not known yet.
5613       Rerun to get this x position%
5614     }%
5615   }{}%
5616 }
5617
5618 \newcommand*\WriteEndXPostoaux{%
5619   \edef\@tempa{%
5620     \write\@auxout{%
5621       \string\ bidi@pos{x}{end}{\number\ bidi@poscount}{\noexpand\number\noexpand\pdflast
5622     }%
5623   }%
5624   \if@RTL

```




```

5625 \if@filesw
5626 \@tempa
5627 \fi
5628 \pdfsavepos
5629 \else
5630 \pdfsavepos
5631 \if@filesw
5632 \@tempa
5633 \fi
5634 \fi
5635 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5636 \PackageWarningNoLine{biditools}{%
5637 The end x position `\

```



```

5679 \if@filesw
5680 \@tempa
5681 \fi
5682 \pdfsavepos
5683 \else
5684 \pdfsavepos
5685 \if@filesw
5686 \@tempa
5687 \fi
5688 \fi
5689 \if@bidi@csundef{bidi@ypos@@end@number\bidi@poscount}{%
5690 \PackageWarningNoLine{biditools}{%
5691 The end y position `number\bidi@poscount' is not known yet.
5692 Rerun to get this y position%
5693 }%
5694 }{}%
5695 }
5696
5697 \newcommand*{\WriteStartXYPostoaux}{%
5698 \global\advance\bidi@poscount@ne
5699 \edef\@tempa{%
5700 \write\@auxout{%
5701 \string\bidi@pos{x}{start}{number\bidi@poscount}{noexpand\number\noexpand\pdflast
5702 }%
5703 \write\@auxout{%
5704 \string\bidi@pos{y}{start}{number\bidi@poscount}{noexpand\number\noexpand\pdflast
5705 }%
5706 }%
5707 \ifvmode
5708 \leavevmode
5709 \fi
5710 \if@RTL
5711 \if@filesw
5712 \@tempa
5713 \fi
5714 \pdfsavepos
5715 \else
5716 \pdfsavepos
5717 \if@filesw
5718 \@tempa
5719 \fi
5720 \fi
5721 \if@bidi@csundef{bidi@xpos@@start@number\bidi@poscount}{%
5722 \PackageWarningNoLine{biditools}{%
5723 The start x position `number\bidi@poscount' is not known yet.
5724 Rerun to get this x position%
5725 }%
5726 }{}%
5727 \if@bidi@csundef{bidi@ypos@@start@number\bidi@poscount}{%
5728 \PackageWarningNoLine{biditools}{%
5729 The start y position `number\bidi@poscount' is not known yet.
5730 Rerun to get this y position%
5731 }%
5732 }{}%

```



```

5733 }
5734
5735 \newcommand*{\WriteEndXYPostoaux}{%
5736     \edef\@tempa{%
5737         \write\@auxout{%
5738             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflast
5739         }%
5740         \write\@auxout{%
5741             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflast
5742         }%
5743     }%
5744     \if@RTL
5745     \if@filesw
5746     \@tempa
5747     \fi
5748     \pdfsavepos
5749     \else
5750     \pdfsavepos
5751     \if@filesw
5752     \@tempa
5753     \fi
5754     \fi
5755     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5756         \PackageWarningNoLine{biditools}{%
5757             The end x position ``\number\bidiposcount' is not known yet.
5758             Rerun to get this x position%
5759         }%
5760     }{}%
5761     \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5762         \PackageWarningNoLine{biditools}{%
5763             The end y position ``\number\bidiposcount' is not known yet.
5764             Rerun to get this y position%
5765         }%
5766     }{}%
5767 }
5768
5769 \newcommand*{\currentposxwidth}{%
5770     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
5771     {%
5772         \ifnum\csname bidi@xpos@@start@\number\bidiposcount
5773         \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
5774         \endcsname
5775         \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
5776         \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
5777         \endcsname sp\relax
5778     \else
5779         \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
5780         \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
5781         \endcsname sp\relax
5782     \fi
5783     }%
5784 }
5785
5786 \newcommand*{\currentposyheight}{%

```



```

5787 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
5788 {%
5789 \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
5790 \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
5791 \endcsname sp\relax
5792 }%
5793 }
5794
5795
5796
5797 \newcommand*\setbaselineskip}[1]{%
5798 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5799 \selectfont
5800 }
5801
5802
5803 \newcommand*\bidi@newrobustcmd{}
5804 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5805
5806 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
5807
5808 \def\bidi@newcommand#1[#2]{%
5809 \@ifnextchar[%]
5810 {\bidi@xargdef#1[#2]}
5811 {\ifx\l@ngrel@x\relax
5812 \let\l@ngrel@x\protected
5813 \else
5814 \protected\def\l@ngrel@x{\protected\long}%
5815 \fi
5816 \@argdef#1[#2]}}
5817
5818 \long\def\bidi@xargdef#1[#2][#3]#4{%
5819 \@ifdefinable#1{%
5820 \expandafter\protected
5821 \expandafter\def
5822 \expandafter#1%
5823 \expandafter{%
5824 \expandafter\@testopt
5825 \csname\string#1\endcsname{#3}}%
5826 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
5827
5828 \bidi@newrobustcmd*\bidi@renewrobustcmd{\@star@or@long\bidi@renew@command}
5829
5830 \def\bidi@renew@command#1{%
5831 \if@bidi@undef{#1}
5832 {\bidi@error{\string#1 undefined}\@ehc}
5833 }%
5834 \let\@ifdefinable\@rc@ifdefinable
5835 \bidi@new@command#1}
5836
5837
5838
5839 \bidi@newrobustcmd*\bidi@providerobustcmd{\@star@or@long\bidi@provide@command}
5840

```



```

5841 \def\ bidi@provide@command#1{%
5842   \if@bidi@undef{#1}
5843     {\def\reserved@a{\ bidi@new@command#1}}
5844     {\def\reserved@a{\ bidi@renew@command\reserved@a}}%
5845   \reserved@a}
5846
5847 \newcommand*{\ bidi@csuse}[1]{%
5848   \ifcsname#1\endcsname
5849     \csname#1\expandafter\endcsname
5850   \fi}
5851
5852 \newcommand{\ bidi@expandonce}[1]{%
5853   \unexpanded\expandafter{#1}}
5854
5855 \def\ bidi@protected{%
5856   \let\@@protect\protect
5857   \let\protect\@unexpandable@protect
5858   \afterassignment\restore@protect}
5859
5860 \ bidi@newrobustcmd{\ bidi@appto}[2]{%
5861   \if@bidi@undef{#1}
5862     {\edef#1{\unexpanded{#2}}}
5863     {\edef#1{\ bidi@expandonce#1\unexpanded{#2}}}
5864 \ bidi@newrobustcmd{\ bidi@eappto}[2]{%
5865   \if@bidi@undef{#1}
5866     {\edef#1{#2}}
5867     {\edef#1{\ bidi@expandonce#1#2}}}
5868 \ bidi@newrobustcmd{\ bidi@gappto}[2]{%
5869   \if@bidi@undef{#1}
5870     {\xdef#1{\unexpanded{#2}}}
5871     {\xdef#1{\ bidi@expandonce#1\unexpanded{#2}}}
5872 \ bidi@newrobustcmd{\ bidi@xappto}[2]{%
5873   \if@bidi@undef{#1}
5874     {\xdef#1{#2}}
5875     {\xdef#1{\ bidi@expandonce#1#2}}}
5876
5877 \ bidi@newrobustcmd*{\ bidi@protected@eappto}{\ bidi@protected\ bidi@eappto}
5878 \ bidi@newrobustcmd*{\ bidi@protected@xappto}{\ bidi@protected\ bidi@xappto}
5879
5880
5881
5882 \ bidi@newrobustcmd{\ bidi@preto}[2]{%
5883   \if@bidi@undef{#1}
5884     {\edef#1{\unexpanded{#2}}}
5885     {\edef#1{\unexpanded{#2}\ bidi@expandonce#1}}}
5886 \ bidi@newrobustcmd{\ bidi@epreto}[2]{%
5887   \if@bidi@undef{#1}
5888     {\edef#1{#2}}
5889     {\edef#1{#2\ bidi@expandonce#1}}}
5890 \ bidi@newrobustcmd{\ bidi@gpreto}[2]{%
5891   \if@bidi@undef{#1}
5892     {\xdef#1{\unexpanded{#2}}}
5893     {\xdef#1{\unexpanded{#2}\ bidi@expandonce#1}}}
5894 \ bidi@newrobustcmd{\ bidi@xpreto}[2]{%

```



```

5895 \if@bidi@undef{#1}
5896   {\xdef#1{#2}}
5897   {\xdef#1{#2\bidi@expandonce#1}}
5898
5899 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5900 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5901
5902
5903
5904 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5905 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5906 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5907 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5908 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5909 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5910
5911
5912
5913 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5914 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5915 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5916 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5917 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5918 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5919
5920
5921
5922 \bidi@newrobustcmd{\if@bidi@patchable}{%
5923   \bidi@dbg@trce\if@bidi@patchable
5924   \begingroup
5925   \@makeother\#%
5926   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
5927
5928 \long\def\bidi@ifpatchable#1#2{%
5929   \endgroup
5930   \bidi@dbg@init#1%
5931   \if@bidi@undef{#1}
5932     {\bidi@dbg@fail{def}\@secondoftwo}
5933     {\bidi@dbg@info{def}%
5934       \if@bidi@defmacro{#1}
5935         {\bidi@dbg@info{mac}%
5936           \bidi@ifscanable{#1}
5937             {\bidi@ifhashcheck{#2}
5938               {\bidi@dbg@info{tok}%
5939                 \bidi@ifpattern#1{#2}
5940                   {\bidi@dbg@info{pat}%
5941                     \bidi@dbg@info{pos}\@firstoftwo}
5942                     {\bidi@dbg@fail{pat}\@secondoftwo}}
5943                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
5944                   {\bidi@dbg@fail{tok}\@secondoftwo}}
5945                   {\bidi@dbg@fail{mac}\@secondoftwo}}}}
5946
5947 \long\def\bidi@ifpatchable@i#1{%
5948   \endgroup

```



```

5949 \bidi@dbg@init#1%
5950 \if@bidi@undef{#1}
5951   {\bidi@dbg@fail{def}\@secondoftwo}
5952   {\bidi@dbg@info{def}%
5953   \if@bidi@defmacro{#1}
5954     {\bidi@dbg@info{mac}%
5955     \if@bidi@defparam{#1}
5956       {\bidi@dbg@info{prm}%
5957       \bidi@ifscanable{#1}
5958         {\bidi@dbg@info{tok}%
5959         \bidi@dbg@info{pos}\@firstoftwo}
5960         {\bidi@dbg@fail{tok}\@secondoftwo}}
5961       {\bidi@dbg@info{prl}%
5962       \if@bidi@defprotected{#1}
5963         {\bidi@dbg@info{pro}}
5964         {}%
5965         \bidi@dbg@info{pos}\@firstoftwo}}
5966     {\bidi@dbg@fail{mac}\@secondoftwo}}
5967
5968 \bidi@newrobustcmd*{\bidi@patchcmd}{%
5969   \bidi@dbg@trce\bidi@patchcmd
5970   \begingroup
5971   \@makeother\%#
5972   \bidi@@patchcmd}
5973
5974 \newcommand{\bidi@@patchcmd}[4] [#####1]{%
5975   \bidi@ifpatchable#2{#3}
5976   {\bidi@dbg@succ{ret}%
5977   \begingroup
5978   \edef\bidi@resrvda{%
5979     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
5980       #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
5981     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
5982       ####1\detokenize{#4}####2}%
5983     \edef\noexpand\bidi@resrvda{%
5984       \noexpand\bidi@resrvda\meaning#2&}}%
5985   \bidi@resrvda
5986   \bidi@patchcmd@scantoks\bidi@resrvda
5987   \let#2\bidi@resrvda
5988   \bidi@undef\bidi@resrvda
5989   \@firstoftwo}
5990   {\@secondoftwo}}
5991
5992 \def\bidi@patchcmd@scantoks#1{%
5993   \edef\bidi@resrvda{\endgroup
5994     \unexpanded{\makeatletter\scantoken#1}%
5995     \catcode\number`\@=\the\catcode`\@}\relax}%
5996   \bidi@resrvda}
5997
5998 \newcommand\bidi@isloaded[2] []{
5999   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
6000   \expandafter\newif\csname if@bidi@#2loaded@\endcsname
6001   \fi
6002   \@ifpackageloaded{#2}

```



```

6003   {\csname @bidi@#2loaded@true\endcsname #1}
6004   {\csname @bidi@#2loaded@false\endcsname}}
6005
6006 \protected\def\bidi@ifscanable#1{%
6007   \begingroup
6008   \edef\bidi@resrvda{%
6009     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6010       ####1\def\string\bidi@resrvda####2{####3}}}%
6011     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
6012   \bidi@resrvda
6013   \makeatletter
6014   \scantokens\expandafter{\bidi@resrvda}%
6015   \expandafter\endgroup\ifx#1\bidi@resrvda
6016     \expandafter\@firstoftwo
6017   \else
6018     \expandafter\@secondoftwo
6019   \fi}
6020
6021
6022 \protected\long\def\bidi@ifhashcheck#1{%
6023   \begingroup
6024   \edef\bidi@resrvda{\detokenize{#1}}%
6025   \expandafter\endgroup
6026   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
6027
6028 \edef\bidi@ifhashcheck@i#1&{%
6029   \noexpand\expandafter
6030   \noexpand\bidi@ifhashcheck@ii
6031   \noexpand\strip@prefix#1\string#\string#&}
6032
6033 \edef\bidi@ifhashcheck@ii{%
6034   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
6035 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
6036
6037
6038 \protected\long\def\bidi@ifpattern#1#2{%
6039   \begingroup
6040   \edef\bidi@resrvda{%
6041     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
6042       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
6043     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
6044       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}}%
6045     \noexpand\bidi@resrvda}
6046   \bidi@resrvda\@secondoftwo\@firstoftwo}
6047
6048
6049 \newcommand{\if@bidi@defparam}{-}
6050 \long\edef\if@bidi@defparam#1{%
6051   \noexpand\expandafter\noexpand\bidi@ifdefparam
6052   \noexpand\meaning#1\detokenize{macro}:->&}
6053 \edef\bidi@ifdefparam{%
6054   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
6055 \bidi@ifdefparam{\bidi@notblank{#2}}
6056

```




```

6057
6058 \newcommand{\if@bidi@defprotected}{}
6059 \long\edef\if@bidi@defprotected#1{%
6060   \noexpand\expandafter\noexpand\bidi@ifdefprotected
6061   \noexpand\meaning#1\string\protected&}
6062 \edef\bidi@ifdefprotected{%
6063   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
6064 \bidi@ifdefprotected{\bidi@notblank{#2}}
6065
6066
6067 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
6068 \bidi@newrobustcmd{\bidi@csundef}[1]{%
6069   \expandafter\let\csname #1\endcsname\bidi@undefined
6070 }
6071
6072 \let\bidi@dbg@trce\@gobble
6073 \let\bidi@dbg@init\@gobble
6074 \let\bidi@dbg@info\@gobble
6075 \let\bidi@dbg@succ\@gobble
6076 \let\bidi@dbg@fail\@gobble
6077
6078
6079
6080 \bidi@newrobustcmd*{\bidi@apptocmd}{%
6081   \bidi@dbg@trce\bidi@apptocmd
6082   \beginingroup
6083   \@makeother\#%
6084   \bidi@hooktocmd\bidi@append}
6085
6086
6087
6088 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6089   \bidi@dbg@trce\bidi@pretocmd
6090   \beginingroup
6091   \@makeother\#%
6092   \bidi@hooktocmd\bidi@prepend}
6093
6094 \long\def\bidi@hooktocmd#1#2#3{%
6095   \endgroup
6096   \bidi@dbg@init#2%
6097   \if@bidi@undef{#2}
6098     {\bidi@dbg@fail{def}\@secondoftwo}
6099     {\bidi@dbg@info{def}%
6100     \if@bidi@defmacro{#2}
6101       {\bidi@dbg@info{mac}%
6102       \if@bidi@defparam{#2}
6103         {\bidi@dbg@info{prm}%
6104         \bidi@ifscanable{#2}
6105           {\bidi@ifhashcheck{#3}
6106             {\bidi@dbg@info{tok}%
6107             \bidi@dbg@succ{ret}%
6108             \bidi@hooktocmd@i#1#2{#3}%
6109             \@firstoftwo}
6110             {\bidi@dbg@fail{hsh}\@secondoftwo}}

```



```

6111         {\bidi@dbg@fail{tok}\@secondoftwo}}
6112     {\bidi@dbg@info{prl}%
6113     \if@bidi@defprotected{#2}
6114     {\bidi@dbg@info{pro}%
6115     \bidi@dbg@succ{red}%
6116     \protected}
6117     {\bidi@dbg@succ{red}}}%
6118     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6119     \@firstoftwo}}
6120     {\bidi@dbg@fail{mac}\@secondoftwo}}
6121
6122 \long\def\bidi@hooktocmd@i#1#2#3{%
6123     \begingroup
6124     \edef\bidi@resrvda{%
6125         \def\noexpand\bidi@resrvda#####1\detokenize{macro}:#####2->#####3&{%
6126             #####1\def\string\bidi@resrvda\space#####2{#1{#####3}{\detokenize{#3}}}}%
6127         \edef\noexpand\bidi@resrvda{%
6128             \noexpand\bidi@resrvda\meaning#2&}}%
6129     \bidi@resrvda
6130     \bidi@patchcmd@scantoks\bidi@resrvda
6131     \let#2\bidi@resrvda
6132     \bidi@undef\bidi@resrvda}
6133
6134 \long\def\bidi@append#1#2{#1#2}
6135 \long\def\bidi@prepend#1#2{#2#1}
6136
6137 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6138 %\newcommand*{\bidi@endpreamblehook}{}
6139
6140 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
6141
6142 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipou
6143 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6144
6145 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6146 \newcommand*{\bidi@beforeheaderhook}{}
6147
6148 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput
6149 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6150
6151 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutput
6152 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6153
6154 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6155 \newcommand*{\bidi@beforefooterhook}{}
6156
6157 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6158 \newcommand*{\bidi@afterfooterhook}{}
6159
6160
6161 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipou
6162 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6163
6164 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}

```



```

6165 \newcommand*\bidi@atendoutputpagehook}{
6166
6167 %\bidi@preto\document{%
6168 % \endgroup
6169 % \let\bidi@AtEndPreamble\@firstofone
6170 % \bidi@endpreamblehook
6171 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6172 % \bidi@undef\bidi@endpreamblehook
6173 % \begingroup}
6174
6175 \bidi@newrobustcmd*\bidi@AfterPreamble{\AtBeginDocument}
6176 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6177
6178 %\bidi@newrobustcmd*\bidi@AfterEndPreamble{\bidi@gappto\bidi@afterendpreamblehook}
6179 \newcommand*\bidi@afterendpreamblehook{}
6180
6181 \bidi@newrobustcmd*\bidi@AfterEndPreamble{\AddToHook{begindocument/end}}%
6182
6183 %\bidi@appto\document{%
6184 % \let\bidi@AfterEndPreamble\@firstofone
6185 % \bidi@afterendpreamblehook
6186 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6187 % \bidi@undef\bidi@afterendpreamblehook
6188 % \ignorespaces}
6189
6190 \bidi@newrobustcmd*\bidi@AfterEndDocumentCheckLabelsRerun{\bidi@gappto\bidi@afterenddocumentchecklabelsrerunhook}
6191 \newcommand*\bidi@afterenddocumentchecklabelsrerunhook{}
6192
6193 \bidi@patchcmd\enddocument
6194 {\fi}
6195 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6196 \bidi@afterenddocumentchecklabelsrerunhook
6197 \fi}
6198 {}
6199 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
6200
6201 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6202
6203 \bidi@newrobustcmd*\bidi@AfterLastShipout{\bidi@gappto\bidi@afterlastshipouthook}
6204 \newcommand*\bidi@afterlastshipouthook{}
6205
6206 \bidi@patchcmd\enddocument
6207 {\clearpage}
6208 {\clearpage
6209 \let\bidi@AfterLastShipout\@firstofone
6210 \bidi@afterlastshipouthook}
6211 {}
6212 {\let\bidi@clearpage\clearpage
6213 \def\clearpage{%
6214 \bidi@clearpage
6215 \let\bidi@AfterLastShipout\@firstofone
6216 \bidi@afterlastshipouthook}}
6217
6218 %\bidi@newrobustcmd*\bidi@AfterEndDocument{\bidi@gappto\bidi@afterenddocumenthook}

```



```

6219 %\newcommand*{\bidi@afterenddocumenthook}{}
6220
6221 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6222
6223 %\bidi@patchcmd\enddocument
6224 % {\deadcycles}
6225 % {\let\bidi@AfterEndDocument\@firstofone
6226 % \bidi@afterenddocumenthook
6227 % \deadcycles}
6228 % {}
6229 % {\let\bidi@@end\@end
6230 % \def\@end{%
6231 % \let\bidi@AfterEndDocument\@firstofone
6232 % \bidi@afterenddocumenthook
6233 % \bidi@@end}}
6234
6235 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6236 \bidi@csgappto{@bidi@begin@#1@hook}}
6237
6238 % Patch \begin<space> and \end<space> in newer LaTeX releases
6239 % \begin and \end in older ones.
6240 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6241 {\csname #1\endcsname}
6242 {\bidi@csuse{@bidi@begin@#1@hook}}%
6243 \csname #1\endcsname}
6244 {}
6245 {\bidi@warning{%
6246 Patching '\string\begin' failed!\MessageBreak
6247 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
6248
6249
6250
6251 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6252 \bidi@csgappto{@bidi@end@#1@hook}}
6253
6254 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6255 {\csname end#1\endcsname}
6256 {\bidi@csuse{@bidi@end@#1@hook}}%
6257 \csname end#1\endcsname}
6258 {}
6259 {\bidi@warning{%
6260 Patching '\string\end' failed!\MessageBreak
6261 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
6262
6263
6264
6265 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
6266 \bidi@csgappto{@bidi@beforebegin@#1@hook}}
6267
6268 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6269 {\bidi@csuse{@bidi@beforebegin@#1@hook}}
6270 {}
6271 {\bidi@warning{%
6272 Patching '\string\begin' failed!\MessageBreak

```



```

6273     '\string\bidibeforebeginenvironment' will not work@gobble}}
6274
6275 \bidinewrobustcmd{\bidiafterendenvironment}[1]{%
6276   \bidicsgappto{\bidiafterend@#1@hook}}
6277
6278 \expandafter\bidipatchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6279   {\ifignore}
6280   {\bidicsuse{\bidiafterend@#1@hook}}%
6281   \ifignore}
6282   {}
6283   {\bidibwarning{%
6284     Patching '\string\end' failed!\MessageBreak
6285     '\string\bidiafterendenvironment' will not work@gobble}}
6286
6287 \def\bidinamedef#1{\expandafter\def\csname #1\endcsname}
6288 \def\bidinamegdef#1{\expandafter\gdef\csname #1\endcsname}
6289 \def\bidinameedef#1{\expandafter\edef\csname #1\endcsname}
6290 \def\bidinamexdef#1{\expandafter\xdef\csname #1\endcsname}
6291
6292 % From David Carlisle:
6293 % The \stpelte redefinition below belongs to Heiko Oberdiek
6294 % See also https://github.com/ho-tex/oberdiek/issues/26
6295
6296 \let\@bidistepcounter\stepcounter
6297 \let\@bidistpelt\stpelt
6298
6299 \def\@stpelt#1{%
6300   \ifcsname bidireset@#1@perpage\endcsname
6301     \begingroup
6302       \let\stepcounter\@bidistepcounter
6303       \@bidistpelt{#1}%
6304     \endgroup
6305     \expandafter\@gobbletwo
6306   \fi
6307   \@bidistpelt{#1}%
6308 }
6309
6310 \bidipretocmd\stepcounter
6311   {%
6312     \if@bidicsundef{\bidistepcounterhook@#1}{-}{%
6313       \csname bidistepcounterhook@#1\endcsname
6314     }%
6315   }-%
6316   {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6317
6318 \chardef\bidibackslash`
6319 \def\bidics#1{\texttt{\char\bidibackslash#1}}
6320
6321 % anonymous control sequences
6322 \newcount\biditempcountb
6323 \newtoks\biditemptoksa
6324 \newtoks\biditemptoksb
6325
6326 % Catcode (re)storing

```



```

6327 %
6328 \def\bidistorecatcode#1%
6329   {\escapechar\m@ne
6330   \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6331     {\catcode`\string#1=
6332     \the\catcode\expandafter`\string#1}%
6333   \catcode\expandafter`\string#1=12\relax
6334   \escapechar`\\\relax}
6335 \def\bidi@restorecatcode#1%
6336   {\escapechar\m@ne
6337   \csname bidi@restorecatcode\string#1\endcsname
6338   \escapechar`\\\relax}
6339
6340 % Construct a control sequence inside \edef
6341 %
6342 \def\bidicsname#1{\expandafter\noexpand\csname#1\endcsname}
6343
6344 % Construct a control sequence out of #2, and give it to #1
6345 %
6346 \def\bidicsarg#1#2{\expandafter#1\csname#2\endcsname}
6347
6348 % Pick an escapecharacter
6349 % this presumes that its argument is a character.
6350 %
6351 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6352
6353 % Equality of strings.
6354 % the fast approach: does not work in expansion-only environment.
6355 %
6356 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
6357   \ifx\bidieqs@a\bidieqs@b}
6358
6359 % Test by expansion only
6360 %
6361 \def\bidiequalstringX#1#2{00\fi
6362   \csname if@bidiequalstringX#1&#2&$\endcsname}
6363 \def\bidiequalstringX#1#2$#3#4${\ifx#1#3%
6364   \ifx#1&true\else\bidi@hop@ES@\bidiequalstringX#2$#4$\fi
6365   \else false\fi}
6366 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
6367
6368 % Lexicographic ordering
6369 % note the use of \def
6370 % also note the characters 0,127,255 that are used,
6371 % these are not supposed to appear in the strings
6372 %
6373 {\catcode0=12 \catcode255=12 \catcode127=12
6374 \gdef\bidistringbeforeNC#1#2{00\fi
6375   \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
6376 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
6377   \ifcat#1\relax\def\bidinext{\bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
6378   \else\ifcat#3\relax\def\bidinext{\bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%
6379   \else\ifnum\lccode`#1<\lccode`#3
6380     \def\bidinext{\csname iftrue\endcsname}%

```



```

6381         \else\ifnum\lccode`#1>\lccode`#3
6382             \def\bidinext{\csname iffalse\endcsname}%
6383             \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6384 \fi \fi \fi \fi
6385 \bidinext}
6386 \gdef\bidistringbefore#1#2{00\fi
6387 \bidicharsbefore#1^^@^^?#2^^ff^^?}
6388 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
6389 \ifnum`#1<`#3
6390     \def\bidinext{\csname iftrue\endcsname}%
6391 \else\ifnum`#1>`#3
6392     \def\bidinext{\csname iffalse\endcsname}%
6393     \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6394 \fi\fi
6395 \bidinext}
6396 }
6397
6398 % Null argument test
6399 %
6400 \def\bidiempty{}
6401 \def\bidiiempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidii@null}
6402 \def\bidiiemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidii@null}
6403 %\def\bidiiempty#1{\def\bidics@a{#1}\ifx\bidics@a\bidiempty}
6404 \def\bidiiemptylist#1{00\fi\def\bidics@a{#1}\ifx\cs@a\bidiempty}
6405
6406 % Next character test
6407 %
6408 \def\bidinextchar#1#2#3{00\fi
6409 \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
6410 \futurelet\bidinxt@c\@bidiiifnxtc}
6411 \def\bidiiifnextchar#1#2#3{%
6412 \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
6413 \futurelet\bidinxt@c\@bidiiifnxtc}
6414 \def\@bidiiifnxtc{\ifx\bidinxt@ch\bidinxt@c \expandafter\bidinxt@a
6415 \else \expandafter\bidinxt@b \fi}
6416
6417 % Test for defined-ness of string as control sequence.
6418 % works inside \edef
6419 %
6420 \def\bidiiundefinedcs#1{00\fi\bidicsarg\ifx{#1}\relax}
6421
6422 % Define uniquely defined dummy macros,
6423 % usually to serve as bumper blocks at the end of a list
6424 %
6425 \newcount\bidiidummies
6426 \def\DefNewDummy#1{
6427 \if\bidiiundefinedcs{#1}\bidicsarg\edef{#1}{bidiidum\the\bidiidummies}
6428 \advance\bidiidummies\@ne
6429 \else
6430 \bidiierror{Attempt at second definition of `#1'}
6431 \fi}
6432
6433 % string case statement
6434 % use: \bidii@switch \iftest{...} in:

```



```

6435 %      item1 action1
6436 %      ...
6437 %      itemn actionn
6438 %      default defaultaction [optional]
6439 %      \endbidi@switch
6440 % inspired by Jonathan Fine: Some Basic Control Macros
6441 % Tugboat 12 #4
6442 %
6443 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}
6444 \def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
6445 \def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6446 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6447 \bidi@switch {#1}
6448 }
6449 % this version puts the test object in {}
6450 \def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6451 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6452 \bidi@switch #1 in:
6453 }
6454 % this version assumes that the test object is just one character
6455 \def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6456 #1#2\bidi@switch@exit #3 \@bidi@fi
6457 \bidi@cswitch #1 in:
6458 }
6459 % this version assumes that the test object can have an optional space
6460 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6461 #1#2 \bidi@switch@exit #3 \@bidi@fi
6462 \bidi@bswitch #1 in:
6463 }
6464 % this version can cope with significant spaces at the start of #3;
6465 % #2 is macro argument
6466 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6467 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6468 \bidi@mswitch #1 in:
6469 }
6470 % idem; #2 does not have to be enclosed in braces
6471 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
6472 #1#2 \bidi@switch@exit #3 \@bidi@fi
6473 \bidi@fswitch #1 in:
6474 }
6475
6476 % Routines for taking the value of a string:
6477 % if the string is defined as control sequence
6478 % take the value of that, otherwise take the string itself
6479
6480 % String or value of control sequence
6481 %
6482 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6483
6484 % String or control sequence
6485 %
6486 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6487
6488 % String or \noexpand-ed control sequence;

```




```

6489 % for use in \edef
6490 %
6491 \newif\ifbidi@in@label
6492 \def\@bidi@w@w#1{\if\@bidi@undefinedcs{#1}#1\else
6493     \ifbidi@in@label\noexpand\protect\fi \@bidi@csname{#1}\fi}
6494 \newtoks\@bidi@are@these@correct
6495 \def\@bidi@t@w@w#1{%
6496     \if\@bidi@undefinedcs{#1}#1%
6497     \ifdefining\@bidi@append@to@list\@bidi@are@these@correct{#1}\fi
6498     \else
6499     \ifin@label\noexpand\protect\fi \@bidi@csname{#1}\fi}
6500
6501 % List Manipulation .....
6502 % this assumes that #1 is a list of tokens, #2 is the name of a list
6503 %
6504 % Names of lists (and of items to pop into) are given as strings;
6505 % not as control sequences.
6506 %
6507 \newtoks\@bidi@toks@lista \newtoks\@bidi@toks@listb
6508 % basic append/prepend macro
6509 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\@bidi@toks@lista=#2{#3}%
6510 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\@bidi@toks@listb}
6511 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\@bidi@toks@lista=#2{#3}%
6512 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\@bidi@toks@listb}
6513 \def\@bidi@append@to@list{\@bidi@csarg\@bidi@append@to@cslist}
6514 \def\@bidi@prepend@to@list{\@bidi@csarg\@bidi@prepend@to@cslist}
6515 % variations:
6516 \long\def\@bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
6517 \long\def\@bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
6518 \def\@bidi@append@list@to@list#1#2{%
6519     \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6520 \def\@bidi@prepend@list@to@list#1#2{%
6521     \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
6522 \def\@bidi@append@cslist@to@cslist#1#2{%
6523     \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
6524 \def\@bidi@prepend@cslist@to@cslist#1#2{%
6525     \@bidi@prepend@to@cslist{#1}\expandafter{\the#2}}
6526 \def\@bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
6527 \def\@bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
6528
6529 \let\@bidi@willbeunhskip\unhskip
6530
6531 % A few list macros for the user
6532 \def\NewTokenList:#1 {\@bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
6533 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6534 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
6535 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
6536 \def\TheTokenList:#1 {\let\@bidi@oldwbuskip\@bidi@willbeunhskip \let\@bidi@willbeunhskip\@empty
6537     \if\@bidi@undefinedcs{#1}\@bidi@error{Token List <#1> undefined}
6538     \else\@bidi@csarg\the{#1}\fi
6539     \let\@bidi@willbeunhskip\@bidi@oldwbuskip}
6540
6541 \def\@bidi@del@tok@from@list#1#2{\begingroup
6542     \long\def\@bidi@cs@liste##1#2##2\@bidi@tok@SM

```



```

6543     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
6544     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
6545     {\the\bidi@toks@lista\the\bidi@toks@listb}}%
6546     \bidi@cs@listb}%
6547     \edef\bidi@cs@lista{\noexpand\bidi@cs@liste{}}\expandafter\the\csname#1\endcsname\noexpa
6548     \bidi@cs@lista \endgroup}
6549 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6550     \bidi@in@front@of@cslist\bidi@cs@lista}
6551 \long\def\bidi@in@front@of@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
6552     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lis
6553     \endgroup}
6554 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
6555     \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expanda
6556     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandaft
6557     \expandafter\the\csname#1\endcsname}%
6558     }
6559 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
6560     \bidi@set@cslist\bidi@cs@lista}
6561 \long\def\bidi@set@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
6562     \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
6563
6564 %%%%%%%%%%% Stack macros
6565 %
6566 % push in terms of prepending of lists
6567 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslist#1\expandafter{\expandafter\expanda
6568 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
6569 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslist#1}{\{#2}}
6570 \def\bidi@local@push@onto#1#2{\let\=\relax
6571     \bidi@local@in@front@of@list{#1}{\{#2}}
6572 % pop via auxiliary macro: #1 is result, #2 is stack
6573 % two cs arguments
6574 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
6575     {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
6576 % two string arguments
6577 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
6578     {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@
6579 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
6580 \def\bidi@copy@stacktop#1#2{%
6581     \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6582     {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
6583     \bidi@cs@e}
6584 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
6585 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6586 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6587 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
6588     \bidi@stack@length\m@ne \the#1}
6589 % turn a stack upside down
6590 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6591     \bidi@temptcountb@z@ \bidi@temptoksa\bidi@empty@stack
6592     \loop\ifnum\bidi@temptcountb<\bidi@stack@length
6593         \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
6594         \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6595 %     \bidi@append@cslist@to@cslist\bidi@temptoksb\bidi@temptoksa% append a to b
6596 %     \bidi@temptoksa\bidi@temptoksb

```



```

6597 \repeat% copy b to a
6598 #1\biditemptoksa \biditemptoksa\biditempty@toks}
6599 % invert a stack into a list
6600 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
6601 \biditempcountb\z@ \biditemptoksa\biditempty@toks
6602 \loop\ifnum\biditempcountb<\bidistack@length
6603 \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\m@ne
6604 \bidipend@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
6605 \csname#1\endcsname\biditemptoksa \biditemptoksa\biditempty@toks}
6606
6607
6608 % General loop macro:
6609 % \looprepeat
6610 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6611 % \untilcondition{<cond>} \whilecondition{<cond>}
6612 % \doloopbody { <loop body> }
6613 % where all control sequences in between \looprepeat and \doloopbody are optional.
6614 %
6615 % var: characters to form a control sequence;
6616 % after \forvariable{index} you can access the loop counter as \index.
6617 % This is a count register; to print it use \number\index.
6618 % start,step,end: integers with obvious relations to the loop counter;
6619 % start and step have a default value of 1
6620 % cond: (sequence of commands ending in) any TeX \if... test.
6621 %
6622 % Count down instead of up with \downtovalue; the increment given in \bystep
6623 % is always positive, and is added or subtracted accordingly.
6624 %
6625 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6626 % at the beginning of the loop body.
6627 %
6628 % Exit from middle of loop: \breaklooprepeat
6629 % use this at any place in the loop; in case of a conditional use
6630 % \ifsomething ... \expandafter \breaklooprepeat \fi
6631 %
6632 % Note that the line ends do not cause spaces in the output.
6633 %
6634 % Technical details:
6635 % The loop body is not executed in a group: the braces are those
6636 % of a token list.
6637 % The `forvariable' variable is \let to a \count register.
6638
6639
6640
6641 % Auxiliary stuff
6642 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6643 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
6644 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth}
6645
6646 \newcount\bidilooprepeat@depth
6647 \let\endlooprepeat\relax \def\bidicsprotect{}
6648 % Trace switches may later be defined by PAC_utils
6649 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
6650

```



```

6651 % Main repeatloop macro
6652 % - go to next level and allocate unique counter/toks if this is the
6653 % first time we visit this level
6654 % - setup: gather bounds and termination conditions
6655 % - scoop up body in token list; after the assignment define and
6656 % execute body
6657 \def\looprepeat#1\doloopbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
6658 \advance\bidi@looprepeat@depth\@ne\relax
6659 \bidi@looprepeat@csargromannumeral\ifx\bidi@looprepeat@count\relax
6660 \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidi@looprepe
6661 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidi@looprepe
6662 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidi@looprepe
6663 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidi@looprepe
6664 \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{\def\bidi@looprepeat@comp{>}\bidi@lo
6665 \edef\bidi@looprepeat@tmp
6666 {\def\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}\bidi@lo
6667 \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral\bidi@looprepeat@to
6668
6669 % Define and execute loop body
6670 % This is done with an \edef to construct the actual sequence
6671 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef\bidi@looprepeat@body{-%
6672 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
6673 \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@toks}%
6674 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@utest}%
6675 \global\bidi@looprepeat@csargromannumeral\advance\bidi@looprepeat@count by \bidi@loopr
6676 \noexpand\endlooprepeat
6677 \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
6678 \bidi@looprepeat@csromannumeral\bidi@looprepeat@body\ignorespaces}
6679
6680 % Stop test
6681 %% In order to stop, issue a
6682 % \breaklooprepeat which scoops up the rest of the body and exits
6683 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumera
6684 \advance\bidi@looprepeat@depth\@m\@ne \bidi@looprepeat@traceexit
6685 }
6686
6687
6688 % Setup
6689 % gather bounds and termination conditions
6690 \def\bidi@looprepeat@setup#1{%
6691 \begingroup
6692 \def\forvariable##1{%
6693 \edef\bidi@looprepeat@tmp{%
6694 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral\bidi
6695 \bidi@looprepeat@tmp}%
6696 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global\bidi@looprepeat@count}##1\i
6697 \def\tovalue##1{%
6698 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@lo
6699 {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
6700 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@count}\b
6701 \noexpand\expandafter \noexpand\breaklooprepeat
6702 \noexpand\fi}\ignorespaces}%
6703 \bidi@looprepeat@tmp}%
6704 \def\downtovalue##1{%

```



```

6705     \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}
6706 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value
6707     \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{-##1}\else
6708     \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{##1}\fi\ignores
6709 \def\untilcondition##1{%
6710     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidiloop
6711     {\noexpand##1}\relax
6712     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6713     \bidilooprepeat@tmp}%
6714 \def\whilecondition##1{%
6715     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidiloop
6716     {\noexpand##1}\relax \noexpand\else
6717     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6718     \bidilooprepeat@tmp}%
6719     \fromvalue{\@ne}\bystep{\@ne}##1%
6720 \endgroup}
6721 \def\bidilooprepeat@zero
6722   {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}}\bidilooprepeat@csromannumeral{
6723     \bidilooprepeat@csargromannumeral\def{\bidilooprepeat@body}{}}
6724
6725 %\tracingmacros2
6726 %\newcount\tmpcount % used in some examples below
6727
6728 %\looprepeat \forvariable{i}
6729 %     \bystep{2}
6730 %   \doloopbody {%
6731 %     \ifnum\i=13 \expandafter\breaklooprepeat \fi
6732 %     \number\i} %
6733 %}%
6734
6735 %\looprepeat \forvariable{iii}
6736 %     \tovalue{8}
6737 %   \doloopbody {}
6738 %After loop: \number\iii%
6739
6740 %\looprepeat \forvariable{i}
6741 %     \fromvalue{10}
6742 %     \bystep{2}
6743 %     \downtovalue{0}
6744 %   \doloopbody {\number\i} }
6745
6746 %\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
6747 %   \doloopbody {\number\x} }
6748
6749 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6750
6751 %\looprepeat \forvariable{j}
6752 %     \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6753 %   \doloopbody {\number\j} }
6754
6755 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6756 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6757 %   \doloopbody {(\number\i.\number\j) }
6758 % }

```



```

6759
6760 % infinite loop
6761 %\looprepeat \doloopbody {}
6762
6763 \renewcommand{\InputIfFileExists}[2]{%
6764   \begingroup\expandafter\expandafter\expandafter\endgroup
6765   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
6766     \expandafter\@secondoftwo
6767   \else
6768     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6769     \expandafter\@firstoftwo
6770   \fi
6771   {%
6772     \expandafter\InputIfFileExists\expandafter{\csname
6773       #1-@bidi@alias\endcsname}{#2}%
6774   }%
6775   {\IfFileExists{#1}{%
6776     \bidi@load@hook{before}{#1}%
6777     #2\@addtofilelist{#1}%
6778     \@input \@filef@und
6779     \bidi@load@hook{after}{#1}%
6780   }}%
6781 }
6782
6783 \newcommand*\bidi@loadwithoptions{}
6784 \newcommand*\bidi@loadwithoptions{}
6785 \let\bidi@loadwithoptions\@loadwithoptions
6786
6787 \renewcommand*\@loadwithoptions}[3]{%
6788   \begingroup\expandafter\expandafter\expandafter\endgroup
6789   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6790     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6791   \else
6792     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6793     \def\bidi@@loadwithoptions{%
6794       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
6795     }%
6796   \fi
6797   \bidi@@loadwithoptions
6798 }
6799
6800 \newcommand*\bidi@onefilewithoptions{}
6801 \let\bidi@onefilewithoptions\@onefilewithoptions
6802 \def\@onefilewithoptions#1[#2][#3]#4{%
6803   \begingroup\expandafter\expandafter\expandafter\endgroup
6804   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6805     \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6806   \else
6807     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6808     \edef\bidi@@onefilewithoptions{%
6809       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6810   \fi
6811   \bidi@@onefilewithoptions[#{2}][#{3}]{#4}%
6812   \bidi@load@hook{lateafter}{#1.#4}%

```



```

6813 }
6814
6815 \newcommand*\bidi@ReplaceInput}[2]{%
6816   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6817 }
6818
6819 \newcommand*\bidi@UnReplaceInput}[1]{%
6820   \ifcsname #1-@bidi@alias\endcsname
6821     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6822   \fi
6823 }
6824
6825 \newcommand*\@bidi@replacefilewithext}[3]{%
6826   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6827 }
6828 \newcommand*\bidi@ReplacePackage}[2]{%
6829   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
6830 }
6831 \newcommand*\bidi@ReplaceClass}[2]{%
6832   \@bidi@replacefilewithext{#1}{#2}\@clsextension
6833 }
6834 \newcommand*\@bidi@unreplacefilewithext}[2]{%
6835   \ifcsname #1.#2-@bidi@aliasname\endcsname
6836     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6837   \fi
6838 }
6839 \newcommand*\bidi@UnReplacePackage}[1]{%
6840   \@bidi@unreplacefilewithext{#1}\@pkgextension
6841 }
6842 \newcommand*\bidi@UnReplaceClass}[1]{%
6843   \@bidi@unreplacefilewithext{#1}\@clsextension
6844 }
6845 \newcommand*\bidi@replacefile@msg}[2]{%
6846   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
6847 }
6848
6849 \newcommand*\bidi@load@hook}[2]{%
6850   \@ifundefined{#2-@#1}{}{%
6851     \@nameuse{#2-@#1}%
6852     \expandafter\let\csname #2-@#1\endcsname=\relax}}
6853 \newcommand*\bidi@set@load@hook}[2]{%
6854   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}{}%
6855   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6856 \newcommand*\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6857 \newcommand*\bidi@AfterFile}{\bidi@set@load@hook{after}}
6858 \newcommand*\bidi@BeforeClass}[1]{%
6859   \bidi@set@load@hook{before}{#1.\@clsextension}}
6860 \newcommand*\bidi@AfterClass}{%
6861   \@ifstar {\@s@bidi@AfterClass}{%
6862     \@ifnextchar +{\@bidi@AfterClass{%
6863       \@ifnextchar !{\@@bidi@AfterClass\bidi@AfterClass
6864     }%
6865   }%
6866 }

```



```

6867
6868 \newcommand*{\@@@bidi@AfterClass}[2]{%
6869   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6870     \aftergroup\@s@bidi@AfterClass
6871   \else
6872     \aftergroup\bidi@AfterAtEndOfClass
6873   \fi
6874   \endgroup{#2}%
6875 }
6876
6877 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
6878   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6879 \newcommand*{\@@@bidi@AfterClass}[2]{%
6880   \begingroup
6881     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6882       \aftergroup\@s@bidi@AfterClass
6883     \else
6884       \aftergroup\@bidi@AfterClass
6885     \fi
6886     \endgroup{#2}%
6887 }
6888
6889 \newcommand*{\@bidi@AfterClass}[1]{%
6890   \bidi@set@load@hook{after}{#1.\@clsextension}}
6891 \newcommand*{\@s@bidi@AfterClass}[1]{%
6892   \begingroup
6893     \@ifclassloaded{#1}{%
6894       \aftergroup\@secondoftwo
6895     }{%
6896       \aftergroup\@bidi@AfterClass
6897     }%
6898   \endgroup
6899   {#1}%
6900 }
6901
6902
6903 \newcommand*{\bidi@BeforePackage}[1]{%
6904   \bidi@set@load@hook{before}{#1.\@pkgextension}}
6905 \newcommand*{\bidi@AfterPackage}{%
6906   \@ifstar {\@s@bidi@AfterPackage}{%
6907     \@ifnextchar +\@bidi@AfterPackage{%
6908       \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
6909     }%
6910   }%
6911 }
6912 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6913   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6914     \aftergroup\@s@bidi@AfterPackage
6915   \else
6916     \aftergroup\bidi@AfterAtEndOfPackage
6917   \fi
6918   \endgroup{#2}%
6919 }
6920 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%

```




```

6921 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6922 \newcommand*{\@bidi@AfterPackage}[2]{%
6923 \begingroup
6924 \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
6925 \aftergroup\@s@bidi@AfterPackage
6926 \else
6927 \aftergroup\@bidi@AfterPackage
6928 \fi
6929 \endgroup{#2}}%
6930 }
6931 \newcommand*{\@bidi@AfterPackage}[1]{%
6932 \bidi@set@load@hook{after}{#1.\@pkgextension}}
6933 \newcommand*{\@s@bidi@AfterPackage}[1]{%
6934 \begingroup
6935 \@ifpackageloaded{#1}{%
6936 \aftergroup\@secondoftwo
6937 }{%
6938 \aftergroup\@bidi@AfterPackage
6939 }%
6940 \endgroup
6941 {#1}}%
6942 }
6943
6944 \newcommand*{\bidi@excludedpackages}{}
6945 \let\bidi@excludedpackages\@empty
6946 \newcommand*{\bidi@saved@RequirePackage}{}
6947 \newcommand*{\bidi@PreventPackageFromLoading}{%
6948 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
6949 {\@bidi@PreventPackageFromLoading\PackageWarning}%
6950 }
6951 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
6952 \@ifnextchar [%]
6953 {\@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1 []}%
6954 }
6955 \newcommand*{\@@bidi@PreventPackageFromLoading}{}
6956
6957 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
6958 \edef\reserved@b{\zap@space#3 \@empty}%
6959 \ifx \reserved@b\@empty
6960 #1{biditools}{%
6961 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6962 argument ignored%
6963 }%
6964 \else
6965 \ifx\bidi@excludedpackages\@empty
6966 \let\bidi@saved@RequirePackage\RequirePackage
6967 \let\RequirePackage\bidi@RequirePackage
6968 \def\reserved@a##1##{%
6969 \@latex@error
6970 {\noexpand \usepackage before \string\documentclass}%
6971 {\noexpand \usepackage may only appear in the document
6972 preamble, i. e.,\MessageBreak
6973 between \noexpand\documentclass and
6974 \string\begin{document}.}%

```



```

6975     \@gobble}%
6976     \ifx\reserved@a\usepackage\else
6977     \ifx\usepackage\ bidi@saved@RequirePackage\else
6978     \PackageWarning{biditools}{%
6979     Maybe serious problem: unexpected definition of\MessageBreak
6980     \string\usepackage
6981     }%
6982     \fi
6983     \let\usepackage\RequirePackage
6984     \fi
6985 \fi
6986 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
6987 \reserved@b\do {%
6988     \ifx\reserved@a\@empty
6989     #1{biditools}{%
6990     empty package argument for
6991     \string\ bidi@PreventPackageFromLoading\MessageBreak
6992     ignored%
6993     }%
6994 \else
6995     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
6996     #1{biditools}{%
6997     package ` \reserved@a' already loaded.\MessageBreak
6998     Cannot prevent it from being loaded%
6999     }%
7000 }{%
7001     \edef\ bidi@excludedpackages{\ bidi@excludedpackages,%
7002     \reserved@a}%
7003     \if\relax\detokenize{#2}\relax\else
7004     \@ifundefined{\ bidi@exclude@package@\reserved@a @do}{%
7005     \@namedef{\ bidi@exclude@package@\reserved@a @do}{%
7006     }{%
7007     \expandafter\def
7008     \csname \ bidi@exclude@package@\reserved@a
7009     @do\expandafter\expandafter\expandafter\endcsname
7010     \expandafter\expandafter\expandafter{%
7011     \csname \ bidi@exclude@package@\reserved@a @do\endcsname
7012     #2%
7013     }%
7014     \fi
7015     }%
7016     \fi
7017     }%
7018     \ifx\ bidi@excludedpackages\@empty
7019     \ bidi@ResetPreventPackageFromLoading
7020     \fi
7021 \fi
7022 }
7023
7024 \@onlypreamble\ bidi@PreventPackageFromLoading
7025 \newcommand*{\ bidi@ResetPreventPackageFromLoading}{%
7026 \let\ bidi@excludedpackages\@empty
7027 \ifx\RequirePackage\ bidi@RequirePackage
7028 \ifx\usepackage\RequirePackage

```



```

7029     \let\usepackage\bidisaved@RequirePackage
7030     \fi
7031     \let\RequirePackage\bidisaved@RequirePackage
7032     \fi
7033 }
7034 \onlypreamble\bidisaved@ResetPreventPackageFromLoading
7035 \newcommand*\bidisaved@StorePreventPackageFromLoading}[1]{%
7036   \let#1\bidisaved@excludedpackages
7037 }
7038 \onlypreamble\bidisaved@StorePreventPackageFromLoading
7039 \newcommand*\bidisaved@UnPreventPackageFromLoading{%
7040   \@ifstar {\@tempwatrue\bidisaved@UnPreventPackageFromLoading}%
7041             {\@tempwafalse\bidisaved@UnPreventPackageFromLoading}%
7042 }
7043
7044 \newcommand*\bidisaved@UnPreventPackageFromLoading}[1]{%
7045   \edef\reserved@b{\zap@space#1 \@empty}%
7046   \if@tempwa
7047     \@for\reserved@a:=\reserved@b\do {%
7048       \ifx\reserved@a\@empty \else
7049         \ifcsname bidisaved@exclude@package@\reserved@a @do\endcsname
7050           \expandafter\let
7051           \csname bidisaved@exclude@package@\reserved@a @do\endcsname
7052           \undefined
7053         \fi
7054       \fi
7055     }%
7056   \fi
7057   \ifcsname bidisaved@excludedpackages\endcsname
7058     \let\reserved@a\bidisaved@excludedpackages
7059     \let\bidisaved@excludedpackages\@empty
7060     \expandafter\@for\expandafter\reserved@c
7061     \expandafter:\expandafter=\reserved@a
7062     \do{%
7063       \ifx\reserved@c\@empty\else
7064         \@expandtwoargs\in@{\,\reserved@c,}{\,\reserved@b,}%
7065         \ifin@
7066           \else
7067             \edef\bidisaved@excludedpackages{%
7068               \bidisaved@excludedpackages,\reserved@c
7069             }%
7070           \fi
7071         \fi
7072       }%
7073     \ifx\bidisaved@excludedpackages\@empty\bidisaved@ResetPreventPackageFromLoading\fi
7074   \fi
7075 }
7076
7077
7078 \newcommand*\bidisaved@RequirePackage}[2] []{%
7079   \let\reserved@c\@empty
7080   \let\reserved@d\@empty
7081   \edef\reserved@b{\zap@space#2 \@empty}%
7082   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b

```



```

7083 \do {%
7084   \begingroup
7085     \@tempwattrue
7086     \@for\reserved@a:=\bidi@excludedpackages\do {%
7087       \ifx\reserved@a\reserved@b
7088         \@tempwafalse
7089       \fi
7090     }%
7091   \if@tempswa
7092     \xdef\reserved@c{\reserved@c,\reserved@b}%
7093   \else
7094     \ifx\reserved@b\@empty\else
7095       \PackageInfo{bidiutils}{Excluding package `'\reserved@b'\MessageBreak
7096         from loading}%
7097       \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
7098         }{%
7099           \expandafter\g@addto@macro\expandafter\reserved@d
7100           \csname bidi@exclude@package@\reserved@b @do\endcsname
7101         }%
7102       \fi
7103     \fi
7104   \endgroup
7105 }%
7106 \ifx\reserved@c\@empty
7107   \let\reserved@a\bidi@gobbleopt
7108 \else
7109   \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
7110     \expandafter\@gobble\reserved@c\@empty}}%
7111   \fi
7112   \expandafter\reserved@d
7113   \reserved@a
7114 }
7115
7116 \newcommand{\bidi@gobbleopt}[1][{}]{%
7117 \AtEndDocument{%
7118   \let\bidi@saved@checkend=\@checkend
7119   \renewcommand*{\@checkend}[1]{%
7120     \def\reserved@a{#1}\def\reserved@b{document}%
7121     \bidi@saved@checkend{#1}%
7122     \ifx\reserved@a\reserved@b
7123       \let\bidi@saved@clearpage=\clearpage
7124       \renewcommand*{\clearpage}{\bidi@saved@clearpage
7125         \bidi@hook@bcma
7126         \bidi@restore@newpage
7127         \let\clearpage=\bidi@saved@clearpage}%
7128     \fi%
7129     \let\bidi@saved@dofilelist\@dofilelist
7130     \def\@dofilelist{%
7131       \bidi@hook@acma
7132       \let\@dofilelist\bidi@saved@dofilelist
7133       \bidi@saved@dofilelist
7134     }%
7135   }%
7136 }

```



```

7137
7138
7139 \newcommand*\bidi@saved@checkend{}
7140 \newcommand*\bidi@saved@dofilelist{}
7141 \newcommand*\bidi@redefine@newpage{%
7142   \let\bidi@saved@newpage\newpage
7143   \def\bidi@restore@newpage{%
7144     \renewcommand*\newpage{%
7145       \PackageWarningNoLine{%
7146         biditools%
7147       }{%
7148         \string\newpage\space at main aux file!\MessageBreak
7149         You have output material at the main aux file.\MessageBreak
7150         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
7151         are processed before the output from aux file%
7152       }%
7153       \let\newpage\bidi@saved@newpage
7154       \newpage
7155     }%
7156   }%
7157   \renewcommand*\newpage{%
7158     \PackageError{%
7159       biditools%
7160     }{%
7161       \string\newpage\space at \string\bidi@BeforeClosingMainAux
7162     }{%
7163       You should never use \string\newpage\space or
7164       \string\clear(double)page or other output material at the\MessageBreak
7165       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
7166       If you'll continue, the \string\newpage\space will be ignored to
7167       avoid corruption of\MessageBreak
7168       every prior use of \string\bidi@BeforeClosingMainAux.
7169     }%
7170   }%
7171 }
7172
7173 \newcommand*\bidi@restore@newpage{}
7174 \newcommand*\bidi@hook@bcma{}
7175 \newcommand*\bidi@hook@acma{}
7176 \newcommand*\bidi@BeforeClosingMainAux{%
7177   \ifx\bidi@hook@bcma\@empty
7178     \gdef\bidi@hook@bcma{%
7179       \renewcommand*\bidi@BeforeClosingMainAux}[1]{###1}%
7180       \let\protected@write\bidi@protected@immediate@write
7181       \bidi@redefine@newpage
7182     }%
7183   \fi
7184   \g@addto@macro\bidi@hook@bcma%
7185 }
7186
7187 \newcommand*\bidi@AfterReadingMainAux{%
7188   \ifx\bidi@hook@acma\@empty
7189     \gdef\bidi@hook@acma{%
7190       \renewcommand*\bidi@AfterReadingMainAux}[1]{###1}%

```



```

7191     \let\protected@write\ bidi@protected@immediate@write
7192   }%
7193   \fi
7194   \g@addto@macro\ bidi@hook@acma%
7195 }
7196
7197 \long\def\ bidi@protected@immediate@write#1#2#3{%
7198   \begingroup
7199     #2%
7200     \let\protect\@unexpandable@protect
7201     \edef\reserved@a{\@immediate\write#1{#3}}%
7202     \reserved@a
7203   \endgroup
7204   \if@nobreak\ifvmode\nobreak\fi\fi
7205 }
7206
7207 \def\ bidi@patch@counter{0}%
7208 \if@ bidi@csundef{numexpr}{%
7209   \def\ bidi@patch@stepcounter{%
7210     \begingroup
7211       \count@\ bidi@patch@counter\relax
7212       \advance\count@\@ne\relax
7213     \edef\x{\endgroup
7214       \noexpand\def\noexpand\ bidi@patch@counter{\the\count@}%
7215     }%
7216     \x
7217   }%
7218 }{%
7219   \def\ bidi@patch@stepcounter{%
7220     \edef\ bidi@patch@counter{%
7221       \the\numexpr\ bidi@patch@counter+\@ne\relax
7222     }%
7223   }%
7224 }
7225 \def\ bidi@patch@list{}
7226 \def\ bidi@patch@Add{%
7227   \ bidi@appto\ bidi@patch@list
7228 }
7229 \def\ bidi@patch@AfterPackage#1{%
7230   \@ifpackageloaded{#1}{%
7231     \@firstofone
7232   }{%
7233     \@ bidi@patch@AfterPackage{#1}%
7234   }%
7235 }
7236 \def\@ bidi@patch@AfterPackage#1{%
7237   \edef\ bidi@patch@temp{#1}%
7238   \ bidi@patch@stepcounter
7239   \expandafter\ bidi@patch@@AfterPackage
7240   \csname @ bidi@patch@\ bidi@patch@counter\expandafter\endcsname{%
7241     \ bidi@patch@temp
7242   }%
7243 }
7244 \def\ bidi@patch@@AfterPackage#1#2#3{%

```



```

7245 \begingroup
7246 \toks@{#3}%
7247 \xdef\ bidi@patch@gtemp{%
7248 \noexpand\@ifpackageloaded{#2}{%
7249 \noexpand\let\noexpand#1\noexpand\relax
7250 \the\toks@
7251 }{}}%
7252 }%
7253 \endgroup
7254 \let#1\ bidi@patch@gtemp
7255 \ bidi@patch@Add#1%
7256 \ bidi@patch@try{\ bidi@AfterPackage}{#2}#1%
7257 }
7258
7259 \def\ bidi@patch@try#1#2#3{%
7260 \if\ bidi@csundef{#1}{}}%
7261 \csname #1\endcsname{#2}{#3}%
7262 }%
7263 }
7264
7265 \AtBeginDocument{\ bidi@patch@list}
7266
7267 \ bidi@AtEndPreamble{\ bidi@patch@list}%
7268
7269 \ bidi@AfterEndPreamble{%
7270 \let\ bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
7271 \let\ bidi@patch@OrgIfPackageLater\@ifpackagelater
7272 \let\ bidi@patch@OrgIfClassLoaded\@ifclassloaded
7273 \let\ bidi@patch@OrgIfClassLater\@ifclasslater
7274 \ bidi@patch@list
7275 \let\@ifpackageloaded\ bidi@patch@OrgIfPackageLoaded
7276 \let\@ifpackagelater\ bidi@patch@OrgIfPackageLater
7277 \let\@ifclassloaded\ bidi@patch@OrgIfClassLoaded
7278 \let\@ifclasslater\ bidi@patch@OrgIfClassLater
7279 }%

```

53 File `bidituftefloat.sty`

```

7280 \NeedsTeXFormat{LaTeX2e}
7281 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
7282 bidi implementation of tufte float]
7283 \RequirePackage{xifthen}
7284 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7285 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7286 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bi
7287 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
7288 \newboolean{\@bidituftefloat@reversegeometry}
7289 \setboolean{\@bidituftefloat@reversegeometry}{false}
7290 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
7291 \newboolean{\@bidituftefloat@afourpaper}
7292 \DeclareOption{af4paper}{\setboolean{\@bidituftefloat@afourpaper}{true}}
7293 \newboolean{\@bidituftefloat@bfivepaper}
7294 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@bfivepaper}{true}}
7295 \newboolean{\@bidituftefloat@symmetric}

```



```

7296 \newboolean{@biditytfloat@twoside}
7297 \DeclareOption{twoside}{%
7298 \@twosidetrue \@mparswitchtrue%
7299 \setboolean{@biditytfloat@twoside}{true}%
7300 \setboolean{@biditytfloat@symmetric}{true}%
7301 }
7302 \DeclareOption{oneside}{%
7303 \@twosidefalse \@mparswitchfalse%
7304 \setboolean{@biditytfloat@twoside}{false}%
7305 \setboolean{@biditytfloat@symmetric}{false}%
7306 }
7307 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7308 \newboolean{@biditytfloat@debug}
7309 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodet
7310 \ProcessOptions
7311 %% Globally sets the length
7312 \newcommand*\gsetlength}[2]{%
7313   \setlength{#1}{#2}%
7314   \global#1=#1\relax%
7315 }
7316
7317 %% Set the font sizes and baselines to match biditytfloat's books
7318 \renewcommand\normalsize{%
7319   \@setfontsize\normalsize\@xpt{14}%
7320   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7321   \abovedisplayshortskip \z@ \@plus3\p@
7322   \belowdisplayskip 6\p@ \@plus3\p@ \@minus3\p@
7323   \belowdisplayskip \abovedisplayskip
7324   \let\@listi\@listI}
7325 \normalbaselineskip=14pt
7326 \normalsize
7327 \renewcommand\footnotesize{%
7328   \@setfontsize\footnotesize\@viipt{10}%
7329   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7330   \abovedisplayshortskip \z@ \@plus\p@
7331   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7332   \def\@listi{\leftmargin\leftmarginI
7333     \topsep 3\p@ \@plus\p@ \@minus\p@
7334     \parsep 2\p@ \@plus\p@ \@minus\p@
7335     \itemsep \parsep}%
7336   \belowdisplayskip \abovedisplayskip
7337 }
7338 %% Paragraph indentation and separation for marginal text
7339 \newcommand{\@biditytfloat@margin@par}{%
7340   \setlength{\RaggedRightParindent}{0.5pc}%
7341   \setlength{\JustifyingParindent}{0.5pc}%
7342   \setlength{\parindent}{0.5pc}%
7343   \setlength{\parskip}{0pt}%
7344 }
7345 \RequirePackage{ragged2e}
7346 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7347 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginp
7348 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7349   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginp

```




```

7350 {}
7351 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7352   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7353   }}{%
7354 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpa
7355 \ifthenelse{\boolean{@biditytfloat@a4paper}}
7356   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
7357   }}
7358 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7359   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm
7360   }}
7361 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7362   {}
7363   {\geometry{asymmetric}}% forces internal LaTeX `twoside'
7364 \setlength\marginparpush{10pt}
7365 %% Font for margin items
7366 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7367 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7368 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7369 \newcommand{\@biditytfloat@justification}{\justifying}%
7370 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7371 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7372 \newboolean{@biditytfloat@changepage}
7373 \IfFileExists{changepage.sty}{%
7374   \biditytfloatDebugInfoNL{Found changepage.sty}
7375   \RequirePackage[strict]{changepage}
7376   \setboolean{@biditytfloat@changepage}{true}
7377 }{%
7378   \biditytfloatDebugInfoNL{Found chngpage.sty}
7379   \RequirePackage[strict]{chngpage}
7380   \setboolean{@biditytfloat@changepage}{false}
7381 }
7382 \newboolean{@biditytfloat@odd@page}
7383 \setboolean{@biditytfloat@odd@page}{true}
7384 \newcommand*{\@biditytfloat@checkoddpage}{%
7385   \checkoddpage%
7386   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7387     \ifoddpage%
7388       \setboolean{@biditytfloat@odd@page}{true}%
7389     \else%
7390       \setboolean{@biditytfloat@odd@page}{false}%
7391     \fi%
7392   }{%
7393     \ifcpoddpage%
7394       \setboolean{@biditytfloat@odd@page}{true}%
7395     \else%
7396       \setboolean{@biditytfloat@odd@page}{false}%
7397     \fi%
7398   }%
7399 }
7400 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running he
7401 \newlength{\@biditytfloat@fullwidth}
7402 \newlength{\@biditytfloat@caption@fill}
7403 \newcommand{\biditytfloatRecalculate}{%

```



```

7404 \setlength{\@biditytfloat@overhang}{\marginparwidth}
7405 \addtolength{\@biditytfloat@overhang}{\marginparsep}
7406
7407 \setlength{\@biditytfloat@fullwidth}{\textwidth}
7408 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
7409 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7410
7411 \setlength{\@biditytfloat@caption@fill}{\textwidth}
7412 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7413 }
7414 \AtBeginDocument{\biditytfloatRecalculate}
7415 \RequirePackage{optparams}% provides multiple optional arguments for commands
7416 \RequirePackage{placeins}
7417 \newsavebox{\@biditytfloat@margin@floatbox}
7418 \newenvironment{@biditytfloat@margin@float}[2][-.2ex]%
7419 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in
7420 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7421 \begin{minipage}{\marginparwidth}%
7422 \@biditytfloat@caption@font%
7423 \def\capttype{#2}%
7424 \hbox{} \vspace*{#1}%
7425 \@biditytfloat@caption@justification%
7426 \@biditytfloat@margin@par%
7427 \noindent%
7428 }
7429 {\end{minipage}%
7430 \end{lrbox}%
7431 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}}%
7432 }
7433 \newenvironment{marginfigure}[1][-.2ex]%
7434 {\begin{@biditytfloat@margin@float}[#1]{figure}}
7435 {\end{@biditytfloat@margin@float}}
7436 \newenvironment{margintable}[1][-.2ex]%
7437 {\begin{@biditytfloat@margin@float}[#1]{table}}
7438 {\end{@biditytfloat@margin@float}}
7439 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
7440
7441 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7442 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7443 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
7444 {\def\@biditytfloat@float@debug@info{#1}}%
7445 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7446 }
7447 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7448 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@deb
7449 \newboolean{@biditytfloat@float@recto}
7450 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@bidityf
7451 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@bidityf
7452 \newsavebox{\@biditytfloat@figure@box}
7453 \newsavebox{\@biditytfloat@caption@box}
7454 \let\@biditytfloat@orig@float\float
7455 \let\@biditytfloat@orig@endfloat\endfloat
7456 \newlength{\@biditytfloat@caption@vertical@offset}
7457 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}

```



```

7458 \newcommand{@bidituftefloat@stored@shortcaption}{}
7459 \newcommand{@bidituftefloat@stored@caption}{}
7460 \newcommand{@bidituftefloat@stored@label}{}
7461 \long\def@bidituftefloat@caption[#1][#2]#3{%
7462   \ifthenelse{\isempty{#1}}%
7463     {\gdef@bidituftefloat@stored@shortcaption{#3}}%
7464     {\gdef@bidituftefloat@stored@shortcaption{#1}}%
7465   \gsetlength{@bidituftefloat@caption@vertical@offset}{-#2}% we want a positive offset to
7466   \gdef@bidituftefloat@stored@caption{#3}%
7467 }
7468 \newcommand{@bidituftefloat@label}[1]{%
7469   \gdef@bidituftefloat@stored@label{#1}%
7470 }
7471 \newcommand{@bidituftefloat@fps}{}
7472 \newboolean{@bidituftefloat@float@star}
7473 \newlength{@bidituftefloat@float@contents@width}
7474 \newenvironment{@bidituftefloat@float}[3][htbp]%
7475   {% begin @bidituftefloat@float
7476     % Should this float be full-width or just text-width?
7477     \ifthenelse{\equal{#3}{star}}%
7478       {\GlobalSetBoolean{@bidituftefloat@float@star}{true}}%
7479       {\GlobalSetBoolean{@bidituftefloat@float@star}{false}}%
7480     % Check page side (recto/verso) and store detected value -- can be overridden in environ
7481     \@bidituftefloat@checkoddpage%
7482     \ifthenelse{\boolean{@bidituftefloat@odd@page}}%
7483       {\GlobalSetBoolean{@bidituftefloat@float@recto}{true}\@bidituftefloat@float@debug{Det
7484       {\GlobalSetBoolean{@bidituftefloat@float@recto}{false}\@bidituftefloat@float@debug{De
7485     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-page
7486     \renewcommand{@bidituftefloat@fps}{#1}%
7487     \@bidituftefloat@float@debug{Allowed positions: [ #1 ]}%
7488     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7489       {\renewcommand{\floatalignment}{b}\@bidituftefloat@float@debug{Presumed position: [bo
7490       {\renewcommand{\floatalignment}{t}\@bidituftefloat@float@debug{Presumed position: [to
7491     % Capture the contents of the \caption and \label commands to use later
7492     \global\let@bidituftefloat@orig@caption\caption%
7493     \global\let@bidituftefloat@orig@label\label%
7494     \renewcommand{\caption}{\optparams{@bidituftefloat@caption}{[] [Opt]}}%
7495     \renewcommand{\label}[1]{\@bidituftefloat@label{#1}}%
7496     % Handle subfigure package compatibility
7497     \ifthenelse{\boolean{@bidituftefloat@packages@subfigure}}{%
7498       \bidi@patchcmd{\subfigure}{%
7499         \let\subfig@oldlabel=\label
7500       }{%
7501         \let\subfig@oldlabel=\@bidituftefloat@orig@label
7502       }
7503     }
7504     }
7505     \let\subtable=\subfigure
7506   }% subfigure package is not loaded
7507   \@bidituftefloat@orig@float{#2}[#1]%
7508   \ifthenelse{\boolean{@bidituftefloat@float@star}}%
7509     {\setlength{@bidituftefloat@float@contents@width}{\@bidituftefloat@fullwidth}}%
7510     {\setlength{@bidituftefloat@float@contents@width}{\textwidth}}%
7511   \begin{lrbox}{\@bidituftefloat@figure@box}%

```



```

7512     \begin{minipage}[\floatalignment]{\@bituftefloat@float@contents@width}\hbox{%
7513 }{% end @bituftefloat@float
7514     \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}%
7515     \end{minipage}%
7516 \end{lrbox}%
7517 % build the caption box
7518 \begin{lrbox}{\@bituftefloat@caption@box}%
7519     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7520     \ifthenelse{\NOT\equal{\@bituftefloat@stored@caption}}{\@bituftefloat@orig@ca
7521     \ifthenelse{\NOT\equal{\@bituftefloat@stored@label}}{\@bituftefloat@orig@labe
7522     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7523     \end{minipage}%
7524 \end{lrbox}%
7525 % now typeset the stored boxes
7526 \begin{fullwidth}%
7527     \begin{minipage}[\floatalignment]{\linewidth}%
7528     \ifthenelse{\boolean{\@bituftefloat@float@star}}%
7529     {\@bituftefloat@float@fullwidth[\@bituftefloat@caption@vertical@offset]{\@bid
7530     {\@bituftefloat@float@textwidth[\@bituftefloat@caption@vertical@offset]{\@bid
7531     \end{minipage}%
7532 \end{fullwidth}%
7533 \@bituftefloat@orig@endfloat% end original LaTeX float environment
7534 % output debug info
7535 \ifthenelse{\boolean{\@bituftefloat@debug}}{%
7536 \typeout{^^J^^J----- biduntfloat package float information -----}%
7537 \ifthenelse{\equal{\@bituftefloat@stored@label}}{}%
7538 {\typeout{Warning: Float unlabeled!}}%
7539 {\typeout{Float label: [\@bituftefloat@stored@label]}}%
7540 \typeout{Page number: [\thepage]}%
7541 \def\MessageBreak{^^J}%
7542 \typeout{\@bituftefloat@float@debug@info}%
7543 \ifthenelse{\boolean{\@bituftefloat@symmetric}}%
7544 {\typeout{Symmetric: [true]}}%
7545 {\typeout{Symmetric: [false]}}%
7546 \typeout{-----^^J^^J}%
7547 }{}%
7548 % reset commands and temp boxes and captions
7549 \gdef\@bituftefloat@float@debug@info{}%
7550 \let\caption\@bituftefloat@orig@caption%
7551 \let\label\@bituftefloat@orig@label%
7552 \begin{lrbox}{\@bituftefloat@figure@box}\hbox{}\end{lrbox}%
7553 \begin{lrbox}{\@bituftefloat@caption@box}\hbox{}\end{lrbox}%
7554 \gdef\@bituftefloat@stored@shortcaption{}%
7555 \gdef\@bituftefloat@stored@caption{}%
7556 \gdef\@bituftefloat@stored@label{}%
7557 \gsetlength{\@bituftefloat@caption@vertical@offset}{0pt}% reset caption offset
7558 }
7559 \newcommand{\@bituftefloat@float@textwidth}[3][0pt]{%
7560 \ifthenelse{\NOT\boolean{\@bituftefloat@symmetric}}{\OR\boolean{\@bituftefloat@float@rect
7561 % asymmetric or page is odd, so caption is on the right
7562 \hbox{%
7563     \usebox{#2}%
7564     \hspace{\marginparsep}%
7565     \smash{\raisebox{#1}{\usebox{#3}}}%

```



```

7566 }
7567 \@bituftefloat@float@debug{Caption position: [right]}%
7568 }{% symmetric pages and page is even, so caption is on the left
7569 \hbox{%
7570 \smash{\raisebox{#1}{\usebox{#3}}}%
7571 \hspace{\marginparsep}%
7572 \usebox{#2}%
7573 }
7574 \@bituftefloat@float@debug{Caption position: [left]}%
7575 }%
7576 }
7577 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
7578 \ifthenelse{\equal{\floatalignment}{b}}{%
7579   {% place caption above figure
7580     \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@
7581       {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debu
7582       {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debu
7583     }{% place caption below figure
7584       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@
7585       {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debu
7586       {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debu
7587     }%
7588   }
7589 \renewenvironment{figure}[1][htbp]%
7590 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
7591 {\end{@bituftefloat@float}}
7592 \renewenvironment{table}[1][htbp]
7593 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
7594 {\end{@bituftefloat@float}}
7595 \renewenvironment{figure*}[1][htbp]%
7596 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
7597 {\end{@bituftefloat@float}}
7598 \renewenvironment{table*}[1][htbp]%
7599 {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
7600 {\end{@bituftefloat@float}}
7601 \newenvironment{fullwidth}
7602 {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7603   {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}{-}\@bituftete
7604   {\begin{adjustwidth}{-}\@bituftefloat@overhang}}%
7605 }%
7606 {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
7607   {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth
7608   {\end{adjustwidth}}}%
7609 }
7610 \long\def\@caption#1[#2]#3{%
7611 \par%
7612 \addcontentsline{\csname ext@#1\endcsname}{#1}%
7613 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7614 \begingroup%
7615 \@parboxrestore%
7616 \if@minipage%
7617 \setminipage%
7618 \fi%
7619 \@bituftefloat@caption@font\@bituftefloat@caption@justification%

```



```

7620 \noindent\csname fnum#1\endcsname: \ignorespaces#3\par%
7621 %\@makecaption{\csname fnum#1\endcsname}{\ignorespaces #3}\par
7622 \endgroup}
7623 %%
7624 % Turns newlines into spaces. Based on code from the `titlesec' package.
7625 \DeclareRobustCommand{\@bidityfteheading@newlinetospace}{%
7626 \@ifstar{\@bidityfteheading@newlinetospace@i}{\@bidityfteheading@newlinetospace@i}%
7627 }
7628 \def\@bidityfteheading@newlinetospace@i{%
7629 \ifdim\lastskip>\z@\else\space\fi
7630 \ignorespaces%
7631 }
7632 \DeclareRobustCommand{\newlinetospace}[1]{%
7633 \let\@bidityfteheading@orig@cr\% save the original meaning of \
7634 \def\{\@bidityfteheading@newlinetospace}% turn \ and \* into \space
7635 \let\newline\% turn \newline into \space
7636 #1%
7637 \let\{\@bidityfteheading@orig@cr% revert to original meaning of \
7638 }
7639 \RequirePackage{fancyhdr}
7640 \pagestyle{fancy}
7641 \AtBeginDocument{%
7642 \ifthenelse{\boolean{@bidityftefloat@symmetric}}
7643 {\fancyhfoffset [LE,RO]{\@bidityftefloat@overhang}}
7644 {\fancyhfoffset [RE,RO]{\@bidityftefloat@overhang}}
7645 }
7646 % The running heads/feet don't have rules
7647 \renewcommand{\headrulewidth}{0pt}
7648 \renewcommand{\footrulewidth}{0pt}
7649 % The 'fancy' page style is the default style for all pages.
7650 \fancyhf{} % clear header and footer fields
7651 \ifthenelse{\boolean{@bidityftefloat@symmetric}}
7652 {\fancyhead [LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7653 \fancyhead [RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7654 {\fancyhead [RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7655 % The `plain' page style is used on chapter opening pages.
7656 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7657 % bottom of pages -- the folios are unexpressed.
7658 \fancypagestyle{plain}{
7659 \fancyhf{} % clear header and footer fields
7660 % Uncomment the following five lines of code if you want the opening page
7661 % of the chapter to express the folio in the lower outside corner.
7662 % \ifthenelse{\boolean{@bidityftefloat@symmetric}}
7663 % {\fancyfoot [LE,RO]{\thepage}}
7664 % {\fancyfoot [RE,RO]{\thepage}}
7665 }
7666 % The `empty' page style suppresses all headers and footers.
7667 % It's used on title pages and `intentionally blank' pages.
7668 \fancypagestyle{empty}{
7669 \fancyhf{} % clear header and footer fields
7670 }
7671 \def\morefloats{% provides a total of 52 floats
7672 \ifthenelse{\isundefined{\bx@S}}{%
7673 \bidityftefloatDebugInfoNL{Adding 34 more float slots.}

```



```

7674 \newinsert\bx@S
7675 \newinsert\bx@T
7676 \newinsert\bx@U
7677 \newinsert\bx@V
7678 \newinsert\bx@W
7679 \newinsert\bx@X
7680 \newinsert\bx@Y
7681 \newinsert\bx@Z
7682 \newinsert\bx@a
7683 \newinsert\bx@b
7684 \newinsert\bx@c
7685 \newinsert\bx@d
7686 \newinsert\bx@e
7687 \newinsert\bx@f
7688 \newinsert\bx@g
7689 \newinsert\bx@h
7690 \newinsert\bx@i
7691 \newinsert\bx@j
7692 \newinsert\bx@k
7693 \newinsert\bx@l
7694 \newinsert\bx@m
7695 \newinsert\bx@n
7696 \newinsert\bx@o
7697 \newinsert\bx@p
7698 \newinsert\bx@q
7699 \newinsert\bx@r
7700 \newinsert\bx@s
7701 \newinsert\bx@t
7702 \newinsert\bx@u
7703 \newinsert\bx@v
7704 \newinsert\bx@w
7705 \newinsert\bx@x
7706 \newinsert\bx@y
7707 \newinsert\bx@z
7708 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7709 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7710 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7711 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7712 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7713 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7714 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7715 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7716 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7717 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7718 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7719 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7720 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7721 \ifthenelse{\isundefined{\bx@AA}}{%
7722 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7723 \newinsert\bx@AA
7724 \newinsert\bx@BB
7725 \newinsert\bx@CC
7726 \newinsert\bx@DD
7727 \newinsert\bx@EE

```



```

7728 \newinsert\bx@FF
7729 \newinsert\bx@GG
7730 \newinsert\bx@HH
7731 \newinsert\bx@II
7732 \newinsert\bx@JJ
7733 \newinsert\bx@KK
7734 \newinsert\bx@LL
7735 \newinsert\bx@MM
7736 \newinsert\bx@NN
7737 \newinsert\bx@OO
7738 \newinsert\bx@PP
7739 \newinsert\bx@QQ
7740 \newinsert\bx@RR
7741 \newinsert\bx@SS
7742 \newinsert\bx@TT
7743 \newinsert\bx@UU
7744 \newinsert\bx@VV
7745 \newinsert\bx@WW
7746 \newinsert\bx@XX
7747 \newinsert\bx@YY
7748 \newinsert\bx@ZZ
7749 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7750 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7751 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7752 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7753 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7754 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7755 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7756 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7757 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7758 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7759 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7760 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7761 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7762 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7763 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7764 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7765 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7766 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7767 }{%
7768 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7769 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space o
7770 }%
7771 }%
7772 }
7773 \newboolean{@biditytfloat@packages@subfigure}
7774 \setboolean{@biditytfloat@packages@subfigure}{false}
7775 \AtBeginDocument{%
7776 \@ifpackageloaded{subfigure}
7777 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7778 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
7779 }
7780 \AtBeginDocument{%
7781 \@ifpackageloaded{float}{%

```




```

7782 % Save the redefined float environment (instead of the LaTeX float environment)
7783 \let\@bittuftefloat@orig@float\float
7784 \let\@bittuftefloat@orig@endfloat\endfloat
7785
7786 % Define Tuftian float styles (with the caption in the margin)
7787 \newcommand{\floatc@bittuftefloatplain}[2]{%
7788   \begin{lrbox}{\@bittuftefloat@caption@box}%
7789     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7790       \bittuftefloat@caption@font{\@fs@cfont #1:} #2\par%
7791     \end{minipage}%
7792   \end{lrbox}%
7793   \smash{\hspace{\@bittuftefloat@caption@fill}}\usebox{\@bittuftefloat@caption@box}}%
7794 }
7795 \newcommand{\fs@bittuftefloatplain}{%
7796   \def\@fs@cfont{\@bittuftefloat@caption@font}%
7797   \let\@fs@capt\floatc@bittuftefloatplain%
7798   \def\@fs@pre{}%
7799   \def\@fs@post{}%
7800   \def\@fs@mid{}%
7801   \let\@fs@iftopcapt\iftrue%
7802 }
7803 \let\fs@bittuftefloatplaintop=\fs@bittuftefloatplain
7804 \let\floatc@bittuftefloatplaintop=\floatc@bittuftefloatplain
7805 \newcommand\floatc@bittuftefloatruled[2]{%
7806   {\@fs@cfont #1} #2\par%
7807 }
7808 \newcommand\fs@bittuftefloatruled{%
7809   \def\@fs@cfont{\@bittuftefloat@caption@font}%
7810   \let\@fs@capt\floatc@bittuftefloatplain%
7811   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7812   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7813   \def\@fs@mid{}%
7814   \let\@fs@iftopcapt\iftrue%
7815 }
7816 \newcommand\fs@bittuftefloatboxed{%
7817   \def\@fs@cfont{}%
7818   \let\@fs@capt\floatc@bittuftefloatplain%
7819   \def\@fs@pre{%
7820     \setbox\@currbox\vbox{\hbadness10000
7821     \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7822     \hrule \hbox to\hsize{\vrule\kern3pt
7823     \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}}\hrule}}
7824   }%
7825   \def\@fs@mid{\kern2pt}%
7826   \def\@fs@post{}%
7827   \let\@fs@iftopcapt\iftrue%
7828 }
7829 }{%
7830 % Nothing to do
7831 }
7832 }
7833 \AtBeginDocument{%
7834   \@ifpackageloaded{algorithm}{%
7835     % Set the float style to the Tuftian version

```



```

7836 \ifthenelse{equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{float}}{true}{\ALG@floatstyle}{\ALG@floatstyle}
7837 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak}
7838 \floatstyle{biditytfloat\ALG@floatstyle}%
7839 \restylefloat{algorithm}%
7840 }{}%
7841 }{%
7842 % Nothing to do
7843 }
7844 }
7845 \PassOptionsToPackage{caption=false}{subfig}

```

54 File biditytfloatsidenote.sty

```

7846 \NeedsTeXFormat{LaTeX2e}
7847 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
7848 bidi implementation of tufte sidenote]
7849 \RequirePackage{xifthen}
7850 \RequirePackage{ragged2e}
7851 \RequirePackage{setspace}
7852 \RequirePackage{biditools}
7853 \def\biditytfloatsidenotemarginpar{%
7854 \ifhmode
7855 \@bsphack
7856 \@floatpenalty -\@Mii
7857 \else
7858 \@floatpenalty-\@Miii
7859 \fi
7860 \ifinner
7861 \@parmoderr
7862 \@floatpenalty\z@
7863 \else
7864 \@next\@currbox\@freelist{}-{}%
7865 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7866 f\@floatpenalty\z@
7867 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7868 \fi
7869 \@ifnextchar [\@biditytfloatsidenotexmpar\@biditytfloatsidenoteympar]
7870 \long\def\@biditytfloatsidenotexmpar[#1]#2{%
7871 \@biditytfloatsidenotesavemarbox\@marbox{#1}%
7872 \@biditytfloatsidenotesavemarbox\@currbox{#2}%
7873 \@xympar}
7874 \long\def\@biditytfloatsidenoteympar#1{%
7875 \@biditytfloatsidenotesavemarbox\@marbox{#1}%
7876 \global\setbox\@currbox\copy\@marbox
7877 \@xympar}
7878 \long\def \@biditytfloatsidenotesavemarbox #1#2{%
7879 \global\setbox #1%
7880 \color@vbox
7881 \vtop{%
7882 \hsize\marginparwidth
7883 \@parboxrestore
7884 \@biditytfloatsidenotemarginparreset
7885 #2%
7886 \@minipagefalse

```



```

7887     \outer@nobreak
7888     }%
7889     \color@endbox
7890 }
7891 \def \@bidityftesidenotemarginparreset {%
7892     \reset@font
7893     \normalsize
7894     \@minipagetrue
7895     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7896 }
7897 \def \LTRbidityftesidenotemarginpar{%
7898     \ifhmode
7899     \@bsphack
7900     \@floatpenalty -\@Mii
7901     \else
7902     \@floatpenalty-\@Miii
7903     \fi
7904     \ifinner
7905     \@parmoderr
7906     \@floatpenalty\z@
7907     \else
7908     \@next\@currbox\@freelist{ }{}%
7909     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7910     {\@floatpenalty\z@
7911     \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7912     \fi
7913     \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar]
7914 \long\def \@LTRbidityftesidenotexmpar[#1]#2{%
7915     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7916     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
7917     \@xympar}
7918 \long\def \@LTRbidityftesidenoteympar#1{%
7919     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7920     \global\setbox\@currbox\copy\@marbox
7921     \@xympar}
7922 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7923     \global\setbox #1%
7924     \color@vbox
7925     \vtop{%
7926     \hsize\marginparwidth
7927     \@parboxrestore
7928     \@LTRbidityftesidenotemarginparreset
7929     #2%
7930     \@minipagefalse
7931     \outer@nobreak
7932     }%
7933     \color@endbox
7934 }
7935 \def \@LTRbidityftesidenotemarginparreset {%
7936     \reset@font
7937     \normalsize
7938     \@minipagetrue
7939     \everypar{\@minipagefalse\everypar{}}\beginL}%
7940 }

```



```

7941 \def\RTLbidituftesidenotemarginpar{%
7942   \ifhmode
7943     \@bsphack
7944     \@floatpenalty -\@Mii
7945   \else
7946     \@floatpenalty-\@Miii
7947   \fi
7948   \ifinner
7949     \@parmoderr
7950     \@floatpenalty\z@
7951   \else
7952     \@next\@currbox\@freelist{}{}%
7953     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7954     {\@floatpenalty\z@
7955       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7956   \fi
7957   \@ifnextchar [\@RTLbidituftesidenotexmpar\@RTLbidituftesidenoteympar]
7958 \long\def\@RTLbidituftesidenotexmpar[#1]#2{%
7959   \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7960   \@RTLbidituftesidenotesavemarbox\@currbox{#2}%
7961   \@xympar}
7962 \long\def\@RTLbidituftesidenoteympar#1{%
7963   \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7964   \global\setbox\@currbox\copy\@marbox
7965   \@xympar}
7966 \long\def \@RTLbidituftesidenotesavemarbox #1#2{%
7967   \global\setbox #1%
7968     \color@vbox
7969     \vtop{%
7970       \hsize\marginparwidth
7971       \@parboxrestore
7972       \@RTLbidituftesidenotemarginparreset
7973       #2%
7974       \@minipagefalse
7975       \outer@nobreak
7976     }%
7977   \color@endbox
7978 }
7979 \def \@RTLbidituftesidenotemarginparreset {%
7980   \reset@font
7981   \normalsize
7982   \@minipagetrue
7983   \everypar{\@minipagefalse\everypar{}\beginR}%
7984 }
7985 \newcommand*{\@bidituftesidenote@marginfont}{\normalfont\footnotesize}
7986 \newcommand*{\@bidituftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7987 \newcommand*{\@bidituftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7988 \newcommand*{\@bidituftesidenote@sidenote@font}{\@bidituftesidenote@marginfont}
7989 \newcommand*{\@bidituftesidenote@LTRsidenote@font}{\@bidituftesidenote@LTRmarginfont}
7990 \newcommand*{\@bidituftesidenote@RTLSidenote@font}{\@bidituftesidenote@RTLmarginfont}
7991 \newcommand*{\@bidituftesidenote@marginnote@font}{\@bidituftesidenote@marginfont}
7992 \newcommand*{\@bidituftesidenote@LTRmarginnote@font}{\@bidituftesidenote@LTRmarginfont}
7993 \newcommand*{\@bidituftesidenote@RTLmarginnote@font}{\@bidituftesidenote@RTLmarginfont}
7994 \newcommand*{\@bidituftesidenote@citation@font}{\@bidituftesidenote@marginfont}

```



```

7995 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7996 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
7997 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
7998 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
7999 \newcommand*{\setRTLsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
8000 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
8001 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
8002 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
8003 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
8004 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
8005 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
8006 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@font}
8007 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@font}
8008 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@font}
8009 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
8010 \newcommand{\@bidityftesidenote@margin@par}{%
8011   \setlength{\RaggedRightParindent}{0.5pc}%
8012   \setlength{\JustifyingParindent}{0.5pc}%
8013   \setlength{\parindent}{0.5pc}%
8014   \setlength{\parskip}{0pt}%
8015 }
8016 %%
8017 % Globally sets the length
8018 \@ifundefined{gsetlength}{%
8019 \newcommand*{gsetlength}[2]{%
8020   \setlength{#1}{#2}%
8021   \global#1=#1\relax%
8022 }%
8023 }{}
8024
8025 %%
8026 % A function that removes leading and trailing spaces from the supplied macro.
8027 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
8028 % Executing \@bidityftesidenote@trim@spaces\xzyzy will result in the contents of \xyzy
8029 % being trimmed of leading and trailing white space.
8030 \catcode`\Q=3
8031 \def\@bidityftesidenote@trim@spaces#1{%
8032   % Use grouping to emulate a multi-token afterassignment queue
8033   \begingroup%
8034   % Put \toks 0 {' into the afterassignment queue
8035   \aftergroup\toks\aftergroup0\aftergroup{%
8036   % Apply \trimb to the replacement text of #1, adding a leading
8037   % \noexpand to prevent brace stripping and to serve another purpose
8038   % later.
8039   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q }%
8040   % Transfer the trimmed text back into #1.
8041   \edef#1{\the\toks0}%
8042 }
8043 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
8044 % clean up any leftover bizarre Qs, and trim a leading space. In
8045 % order for \trimc to work properly we need to put back a Q first.
8046 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
8047 % Execute \vfuzz assignment to remove leading space; the \noexpand
8048 % will now prevent unwanted expansion of a macro or other expandable

```



```

8049 % token at the beginning of the trimmed text. The \endgroup will feed
8050 % in the \aftergroup tokens after the \vfuzz assignment is completed.
8051 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
8052 \catcode`\Q=11
8053 %%
8054 % Citations should go in the margin as sidenotes
8055
8056 \RequirePackage{natbib}
8057 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography en
8058 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8059 \renewcommand\BR@b@bibitem[2] [] {%
8060   \ifthenelse{\isempty{#1}}{%
8061     {\BR@bibitem{#2}}%
8062     {\BR@bibitem[#1]{#2}}%
8063   \BR@c@bibitem{#2}%
8064 }
8065 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8066 %%
8067 % Normal \cite behavior
8068 \newcounter{@bidityftesidenote@num@bibkeys}%
8069 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt] {%
8070   % Snag the last bibentry in the list for later comparison
8071   \let\@temp@last@bibkey\@empty%
8072   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8073   \sidenote[] [#1] {%
8074     % Loop through all the bibentries, separating them with semicolons and spaces
8075     \normalsize\normalfont\@bidityftesidenote@citation@font%
8076     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8077     \@for\@temp@bibkeyx:=#2\do{%
8078       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8079         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8080           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8081           \bibentry{\@temp@bibkeyx}}%
8082         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8083           \bibentry{\@temp@bibkeyx};\ }%
8084     \stepcounter{@bidityftesidenote@num@bibkeys}%
8085   }%
8086 }%
8087 }
8088 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt] {%
8089   % Snag the last bibentry in the list for later comparison
8090   \let\@temp@last@bibkey\@empty%
8091   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8092   \LTRsidenote[] [#1] {%
8093     % Loop through all the bibentries, separating them with semicolons and spaces
8094     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
8095     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8096     \@for\@temp@bibkeyx:=#2\do{%
8097       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8098         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8099           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8100           \bibentry{\@temp@bibkeyx}}%
8101         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8102           \bibentry{\@temp@bibkeyx};\ }%

```



```

8103     \stepcounter{@biduftesidenote@num@bibkeys}%
8104   }%
8105 }%
8106 }
8107 \newcommand{@biduftesidenote@normal@cite}[2][Opt]{%
8108 % Snag the last bibentry in the list for later comparison
8109 \let@temp@last@bibkey\@empty%
8110 \@for@temp@bibkey:=#2\do{\let@temp@last@bibkey@temp@bibkey}%
8111 \RTLsidenote[#1]{%
8112 % Loop through all the bibentries, separating them with semicolons and spaces
8113 \normalsize\normalfont@biduftesidenote@citation@font%
8114 \setcounter{@biduftesidenote@num@bibkeys}{0}%
8115 \@for@temp@bibkeyx:=#2\do{%
8116 \ifthenelse{equal{@temp@last@bibkey}{@temp@bibkeyx}}%
8117   {\ifthenelse{equal{value{@biduftesidenote@num@bibkeys}}{0}}{and\ }%
8118     \@biduftesidenote@trim@spaces@temp@bibkeyx% trim spaces around bibkey
8119     \bibentry{@temp@bibkeyx}}%
8120   {\@biduftesidenote@trim@spaces@temp@bibkeyx% trim spaces around bibkey
8121     \bibentry{@temp@bibkeyx};\ }%
8122 \stepcounter{@biduftesidenote@num@bibkeys}%
8123 }%
8124 }%
8125 }
8126 %%
8127 % Macros for holding the list of cite keys until after the \sidenote
8128 \gdef@biduftesidenote@citations{}% list of cite keys
8129 \newcommand@biduftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
8130 \ifx@biduftesidenote@citations\@empty\else
8131 \g@addto@macro@biduftesidenote@citations{,% separate by commas
8132 \fi
8133 \g@addto@macro@biduftesidenote@citations{#1}
8134 }
8135 \newcommand@biduftesidenote@print@citations}[1][Opt]{% puts the citations in a margin n
8136 % Snag the last bibentry in the list for later comparison
8137 \let@temp@last@bibkey\@empty%
8138 \@for@temp@bibkey:=@biduftesidenote@citations\do{\let@temp@last@bibkey@temp@bibkey}
8139 \marginpar{%
8140 \hbox{\vspace*{#1}}%
8141 \@biduftesidenote@citation@font%
8142 \@biduftesidenote@citation@justification%
8143 \@biduftesidenote@margin@par% use parindent and parskip settings for marginal text
8144 \vspace*{-1\baselineskip}%
8145 % Loop through all the bibentries, separating them with semicolons and spaces
8146 \setcounter{@biduftesidenote@num@bibkeys}{0}%
8147 \@for@temp@bibkeyx:=@biduftesidenote@citations\do{%
8148 \ifthenelse{equal{@temp@last@bibkey}{@temp@bibkeyx}}%
8149   {\ifthenelse{equal{value{@biduftesidenote@num@bibkeys}}{0}}{and\ }%
8150     \@biduftesidenote@trim@spaces@temp@bibkeyx% trim spaces around bibkey
8151     \bibentry{@temp@bibkeyx}}%
8152   {\@biduftesidenote@trim@spaces@temp@bibkeyx% trim spaces around bibkey
8153     \bibentry{@temp@bibkeyx};\ }%
8154 \stepcounter{@biduftesidenote@num@bibkeys}%
8155 }%
8156 }%

```



```

8157 }
8158 %%
8159 % \cite behavior when executed within a sidenote
8160 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8161 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8162   \@bidityftesidenote@add@citation{#1}
8163 }
8164 %%
8165 % Set the default \cite style. This is set and reset by the \sidenote command.
8166 \let\cite\@bidityftesidenote@normal@cite
8167 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
8168 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
8169 %%
8170 % Transform existing \footnotes into \sidenotes
8171 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8172 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arg
8173 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote}
8174 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote}
8175 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8176 % sidenote's text block.
8177 \bidi@patch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bidityftesidenote}#1}}
8178 % Set the in-text footnote mark in the same typeface as the body text itself.
8179 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotemark}}}}
8180 \providecommand*\@multiplefootnotemarker}{3sp}
8181 \providecommand*\multfootsep}{,}
8182 \bidi@patch@AfterPackage{bidi}{%
8183 \renewcommand{\@footnotemark}{%
8184   \leavevmode%
8185   \ifhmode%
8186     \edef\@x@sf{\the\spacefactor}%
8187     \@bidityftesidenote@check@multiple@sidenotes%
8188     \nobreak%
8189     \fi%
8190     \@makefnmark%
8191     \ifhmode\spacefactor\@x@sf\fi%
8192     \relax%
8193 }%
8194 }
8195 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
8196   \ifdim\lastkern=\@multiplefootnotemarker\relax%
8197     \edef\@x@sf{\the\spacefactor}%
8198     \unkern%
8199     \textsuperscript{\multfootsep}%
8200     \spacefactor\@x@sf\relax%
8201   \fi
8202 }
8203 \bidi@patch@AfterPackage{bidi}{%
8204 \renewcommand\@footnotetext[2][Opt]{%
8205   \bidityftesidenotemarginpar{%
8206     \hbox{} \vspace*{#1}%
8207     \def\baselinestretch {\setspace@singlespace}%
8208     \reset@font%
8209     \bidi@footnotetext@font% \reset@font\footnotesize%
8210     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text

```




```

8211 \vspace*{-1\baselineskip}\noindent%
8212 \protected@edef\@currentlabel{%
8213     \csname p@footnote\endcsname\@thefnmark%
8214 }%
8215 \color@begingroup%
8216     \@makefnmark{%
8217         \ignorespaces#2%
8218     }%
8219 \color@endgroup%
8220 }%
8221 }%
8222 \renewcommand\@LTRfootnotetext[2][Opt]{%
8223     \LTRbidituftesidenotemarginpar{%
8224         \hbox{ }\vspace*{#1}%
8225     \def\baselinestretch {\setspace@singlespace}%
8226     \reset@font%
8227     \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
8228     \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
8229     \vspace*{-1\baselineskip}\noindent%
8230     \protected@edef\@currentlabel{%
8231         \csname p@footnote\endcsname\@thefnmark%
8232     }%
8233     \color@begingroup%
8234         \@makefnmark{%
8235             \ignorespaces#2%
8236         }%
8237     \color@endgroup%
8238 }%
8239 }%
8240 \renewcommand\@RTLfootnotetext[2][Opt]{%
8241     \RTLbidituftesidenotemarginpar{%
8242         \hbox{ }\vspace*{#1}%
8243     \def\baselinestretch {\setspace@singlespace}%
8244     \reset@font%
8245     \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8246     \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
8247     \vspace*{-1\baselineskip}\noindent%
8248     \protected@edef\@currentlabel{%
8249         \csname p@footnote\endcsname\@thefnmark%
8250     }%
8251     \color@begingroup%
8252         \@makefnmark{%
8253             \ignorespaces#2%
8254         }%
8255     \color@endgroup%
8256 }%
8257 }%
8258 }
8259 %
8260 % Define \sidenote command. Can handle \cite.
8261 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
8262 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
8263 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8264 \long\def\@bidiuftesidenote@sidenote[#1][#2]#3{%

```



```

8265 \let\cite@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8266 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8267 \ifthenelse{\NOT\isempty{#2}}{%
8268 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8269 }{%
8270 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8271 }%
8272 \ifthenelse{\isempty{#1}}{%
8273 % no specific footnote number provided
8274 \stepcounter\@mpfn%
8275 \protected@xdef\@thefnmark{\thempfn}%
8276 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8277 }{%
8278 % specific footnote number provided
8279 \begingroup%
8280 \csname c@\@mpfn\endcsname #1\relax%
8281 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8282 \endgroup%
8283 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8284 }%
8285 \@bidityftesidenote@print@citations% print any citations
8286 \let\cite@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8287 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8288 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RT
8289 \unskip\ignorespaces% remove extra white space
8290 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8291 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8292 }
8293 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8294 \let\cite@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8295 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8296 \ifthenelse{\NOT\isempty{#2}}{%
8297 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8298 }{%
8299 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8300 }%
8301 \ifthenelse{\isempty{#1}}{%
8302 % no specific footnote number provided
8303 \stepcounter\@mpfn%
8304 \protected@xdef\@thefnmark{\thempfn}%
8305 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8306 }{%
8307 % specific footnote number provided
8308 \begingroup%
8309 \csname c@\@mpfn\endcsname #1\relax%
8310 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8311 \endgroup%
8312 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8313 }%
8314 \@bidityftesidenote@print@citations% print any citations
8315 \let\cite@bidityftesidenote@normal@cite% go back to using normal in-text \cite com
8316 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LT
8317 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RT
8318 \unskip\ignorespaces% remove extra white space

```



```

8319 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
8320 \kern\multiplefootnotemarker\relax%  add new \kern here to replace the one we yanked
8321 }
8322 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
8323 \let\cite\@bidituftesidenote@infootnote@cite%   use the in-sidenote \cite command
8324 \gdef\@bidituftesidenote@citations{%           clear out any old citations
8325 \ifthenelse{\NOT\isempty{#2}}{%
8326 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8327 }{%
8328 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8329 }%
8330 \ifthenelse{\isempty{#1}}{%
8331 % no specific footnote number provided
8332 \stepcounter\@mpfn%
8333 \protected@xdef\@thefnmark{\thempfn}%
8334 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8335 }{%
8336 % specific footnote number provided
8337 \begingroup%
8338 \csname c@\@mpfn\endcsname #1\relax%
8339 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8340 \endgroup%
8341 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8342 }%
8343 \@bidituftesidenote@print@citations%           print any citations
8344 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite com
8345 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LT
8346 \let\RTLcite\@biditufterTLsidenote@normal@cite% go back to using normal in-text \RT
8347 \unskip\ignorespaces%                          remove extra white space
8348 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
8349 \kern\multiplefootnotemarker\relax%  add new \kern here to replace the one we yanked
8350 }
8351 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
8352 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
8353 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
8354 \bidi@patch@AfterPackage{bidi}{%
8355 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
8356 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
8357 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
8358 }
8359 %%
8360 % Sidenote without the footnote mark
8361 \newcommand\marginnote[2] [Opt]{%
8362 \let\cite\@bidituftesidenote@infootnote@cite%   use the in-sidenote \cite command
8363 \gdef\@bidituftesidenote@citations{%           clear out any old citations
8364 \bidituftesidenotemarginpar{\hbox{\vspace*{#1}}\@bidituftesidenote@marginnote@font\@bidi
8365 \@bidituftesidenote@print@citations%           print any citations
8366 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite com
8367 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LT
8368 \let\RTLcite\@biditufterTLsidenote@normal@cite% go back to using normal in-text \RT
8369 }
8370 \newcommand\LTRmarginnote[2] [Opt]{%
8371 \let\cite\@bidituftesidenote@infootnote@cite%   use the in-sidenote \cite command
8372 \gdef\@bidituftesidenote@citations{%           clear out any old citations

```



```

8373 \LTRbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@LTRmarginnote@font\
8374 \@bidituftesidenote@print@citations%          print any citations
8375 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite com
8376 \let\LTRcite\@biditufteLTRsidenote@normal@cite% go back to using normal in-text \LT
8377 \let\RTLcite\@biditufteRTLsidenote@normal@cite% go back to using normal in-text \RT
8378 }
8379 \newcommand\RTLmarginnote[2][Opt]{%
8380 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8381 \gdef\@bidituftesidenote@citations{}%         clear out any old citations
8382 \RTLbidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@RTLmarginnote@font\
8383 \@bidituftesidenote@print@citations%          print any citations
8384 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite com
8385 \let\LTRcite\@biditufteLTRsidenote@normal@cite% go back to using normal in-text \LT
8386 \let\RTLcite\@biditufteRTLsidenote@normal@cite% go back to using normal in-text \RT
8387 }

```

55 File bidituftetoc.sty

```

8388 \NeedsTeXFormat{LaTeX2e}
8389 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
8390 bidi implementation of tuft toc]
8391 \RequirePackage{titlesec,titletoc,xifthen,biditools}
8392 \newcommand{\@bidituftetoc@pkgname}{bidituftetoc}
8393 \newcommand{\bidituftetocError}[2]{\PackageError{\@bidituftetoc@pkgname}{#1}{#2}}
8394 %%
8395 % Turn off section numbering
8396 \setcounter{secnumdepth}{-1}
8397 \newboolean{@bidituftetoc@toc}
8398 \setboolean{@bidituftetoc@toc}{true}
8399 \DeclareOption{notoc}{\setboolean{@bidituftetoc@toc}{false}}
8400 \DeclareOption{toc}{\setboolean{@bidituftetoc@toc}{true}}
8401 \ProcessOptions
8402 %%
8403 % Make Tuftian-style section headings and TOC formatting
8404 \bidi@patch@AfterPackage{bidi}{%
8405 \titleformat{\chapter}%
8406 [display]% shape
8407 {\relax\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8408 {\itshape\huge\thechapter}% label
8409 {0pt}% horizontal separation between label and title body
8410 {\huge\rmfamily\itshape}% before the title body
8411 [\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\end{fullwidth}}{}}% after the titl
8412 \titleformat{\section}%
8413 [hang]% shape
8414 {\normalfont\Large\itshape}% format applied to label+text
8415 {\thesection}% label
8416 {1em}% horizontal separation between label and title body
8417 {}% before the title body
8418 []% after the title body
8419 \titleformat{\subsection}%
8420 [hang]% shape
8421 {\normalfont\large\itshape}% format applied to label+text
8422 {\thesubsection}% label
8423 {1em}% horizontal separation between label and title body

```



```

8424 {}% before the title body
8425 []% after the title body
8426 \titleformat{\paragraph}%
8427 [runin]% shape
8428 {\normalfont\itshape}% format applied to label+text
8429 {\theparagraph}% label
8430 {1em}% horizontal separation between label and title body
8431 {}% before the title body
8432 []% after the title body
8433 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8434 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8435 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
8436 }
8437 % Subsubsection and following section headings shouldn't be used.
8438 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8439 \renewcommand\subsubsection{%
8440 \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
8441 \MessageBreak See Robert Bringhurst's _The Elements of
8442 \MessageBreak Typographic Style_, section 4.2.2.
8443 \MessageBreak \noexpand\subsubsection was used}
8444 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8445 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8446 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8447 }
8448 \renewcommand\subparagraph{%
8449 \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
8450 \MessageBreak See Robert Bringhurst's _The Elements of
8451 \MessageBreak Typographic Style_, section 4.2.2.
8452 \MessageBreak \noexpand\subparagraph was used}
8453 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8454 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the
8455 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
8456 }
8457 % Formatting for main TOC (printed in front matter)
8458 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8459 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
8460 \bidi@patch@AfterPackage{bidi}{%
8461 \titlecontents{part}% FIXME
8462 [0em] % distance from left margin
8463 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8464 {\contentslabel{2em}} % before w/label (label = ``II'')
8465 {} % before w/o label
8466 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8467 [\end{fullwidth}] % after
8468 \titlecontents{chapter}%
8469 [0em] % distance from left margin
8470 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global for
8471 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8472 {\hspace*{0em}} % before w/o label
8473 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8474 [\end{fullwidth}] % after
8475 \titlecontents{section}% FIXME
8476 [0em] % distance from left margin
8477 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global forma

```



```

8478     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8479     {\hspace*{2em}} % before w/o label
8480     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8481     [\end{fullwidth}] % after
8482 \titlecontents{subsection}% FIXME
8483     [0em] % distance from left margin
8484     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global forma
8485     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8486     {\hspace*{4em}} % before w/o label
8487     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8488     [\end{fullwidth}] % after
8489 \titlecontents{paragraph}% FIXME
8490     [0em] % distance from left margin
8491     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global
8492     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8493     {\hspace*{6em}} % before w/o label
8494     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8495     [\end{fullwidth}] % after
8496 }%
8497 }-{}
8498 %%
8499 % Format lists of figures/tables
8500 \renewcommand\listoffigures{%
8501     \@ifundefined{chapter}%
8502     {\section*{\listfigurename}}%
8503     {\chapter*{\listfigurename}}%
8504 % \begin{fullwidth}%
8505     \@starttoc{lof}%
8506 % \end{fullwidth}%
8507 }
8508 \renewcommand\listoftables{%
8509     \@ifundefined{chapter}%
8510     {\section*{\listtablename}}%
8511     {\chapter*{\listtablename}}%
8512 % \begin{fullwidth}%
8513     \@starttoc{lot}%
8514 % \end{fullwidth}%
8515 }
8516 \newcommand{\@biditytetoc@lof@line}[2]{%
8517     % #1 is the figure/table number and its caption text
8518     % #2 is the page number on which the figure/table appears
8519     \leftskip 0.0em
8520     \rightskip 0em
8521     \parfillskip 0em plus 1fil
8522     \parindent 0.0em
8523     \@afterindenttrue
8524     \interlinepenalty\@M
8525     \leavevmode
8526     \@tempdima 2.0em
8527     \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8528     \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8529     {#1}\nobreak\qqquad\nobreak#2%
8530     \par%
8531 }

```



```

8532 \renewcommand*\l@figure{\@biditytetoc@lof@line}
8533 \let\l@table\l@figure

```

56 File `bidituftegeneralstructure.sty`

```

8534 \NeedsTeXFormat{LaTeX2e}
8535 \ProvidesPackage{bidituftegeneralstructure}[2011/06/18 v0.1
8536 bidi implementation of tufte general structure]
8537 \renewcommand\small{%
8538   \@setfontsize\small\@ixpt{12}%
8539   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8540   \abovedisplayshortskip \z@ \@plus2\p@
8541   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8542   \def\@listi{\leftmargin\leftmargini
8543     \topsep 4\p@ \@plus2\p@ \@minus2\p@
8544     \parsep 2\p@ \@plus\p@ \@minus\p@
8545     \itemsep \parsep}%
8546   \belowdisplayskip \abovedisplayskip
8547 }
8548 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
8549 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
8550 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8551 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
8552 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8553 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8554 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8555 \setlength\leftmargini {1pc}
8556 \setlength\leftmarginii {1pc}
8557 \setlength\leftmarginiii {1pc}
8558 \setlength\leftmarginiv {1pc}
8559 \setlength\leftmarginv {1pc}
8560 \setlength\leftmarginvi {1pc}
8561 \setlength\labelsep {0.5pc}
8562 \setlength\labelwidth {\leftmargini}
8563 \addtolength\labelwidth{-\labelsep}
8564 \setlength{\parindent}{1.0pc}%
8565 \setlength{\parskip}{0pt}%
8566 \RequirePackage{ragged2e}
8567 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hspace}
8568 % Paragraph indentation and separation for normal text
8569 \newcommand{\@biditytegeneralstructure@reset@par}{%
8570   \setlength{\RaggedRightParindent}{1.0pc}%
8571   \setlength{\JustifyingParindent}{1.0pc}%
8572   \setlength{\parindent}{1pc}%
8573   \setlength{\parskip}{0pt}%
8574 }
8575 \@biditytegeneralstructure@reset@par
8576 % Require paralist package for tighter lists
8577 \RequirePackage{paralist}
8578 % Add rightmargin to compactenum
8579 \def\@compactenum@{%
8580   \expandafter\list\csname label\@enumctr\endcsname{%
8581     \usecounter{\@enumctr}}%
8582   \rightmargin=2em% added this

```



```

8583 \parsep\plparsep
8584 \itemsep\plitemsep
8585 \topsep\pltopsep
8586 \partopsep\plpartopsep
8587 \def\makelabel##1{\hss\llap{##1}}}}
8588 %%
8589 % An environment for paragraph-style section
8590 \providecommand\newthought[1]{%
8591 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8592 \noindent\textbf{#1}%
8593 }
8594 %%
8595 % Redefine the display environments (quote, quotation, etc.)
8596 \renewenvironment{verse}
8597     {\let\\\@centercr
8598     \list{}{\itemsep \z@
8599             \itemindent -1pc%
8600             \listparindent\itemindent
8601             \rightmargin \leftmargin
8602             \advance\leftmargin 1pc}%
8603     \small%
8604     \item\relax}
8605 {\endlist}
8606 \renewenvironment{quotation}
8607     {\list{}{\listparindent 1pc%
8608             \itemindent \listparindent
8609             \rightmargin \leftmargin
8610             \parsep \z@ \@plus\p@}%
8611     \small%
8612     \item\relax\noindent\ignorespaces}
8613 {\endlist}
8614 \renewenvironment{quote}
8615     {\list{}{\rightmargin\leftmargin}%
8616     \small%
8617     \item\relax}
8618 {\endlist}
8619 % Italicize description run-in headings (instead of the default bold)
8620 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
8621 %%
8622 % Redefine \bibsection to not mark the running heads.
8623 % (Code modified from natbib.sty.)
8624 \@ifundefined{chapter}%
8625     {\renewcommand\bibsection{\section*{\refname}}}
8626     {\@ifundefined{NAT@sectionbib}%
8627         {\renewcommand\bibsection{\chapter{\bibname}}}
8628         {\renewcommand\bibsection{\section*{\bibname}}}}
8629 \RequirePackage{multicol}
8630 \renewenvironment{theindex}{%
8631 \@ifundefined{chapter}%
8632     {\section*{\indexname}}%
8633     {\chapter{\indexname}}%
8634 \begin{fullwidth}%
8635 \small%
8636 \parskip0pt%

```




```

8637 \parindentOpt%
8638 \let\item\idxitem%
8639 \begin{multicols}{3}%
8640 }{%
8641 \end{multicols}%
8642 \end{fullwidth}%
8643 }
8644 \AtBeginDocument{%
8645 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8646 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8647 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8648 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8649 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8650 \NeedsTeXFormat{LaTeX2e}
8651 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8652 bidi implementation of tufte hyperref]
8653 %%
8654 % Color
8655 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8656 \newboolean{@bidituftehyperref@loadhyper}
8657 \setboolean{@bidituftehyperref@loadhyper}{true}
8658 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8659 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8660 \ProcessOptions
8661 %% Loads the hyperref package and sets some default options.
8662 \newcommand{\bidituftehyperrefLoadHyperref}{%
8663 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8664 \hypersetup{%
8665     bookmarksdepth = section,
8666     citecolor = DarkGreen,
8667     linkcolor = DarkBlue,
8668 %     pagecolor = DarkBlue,
8669     urlcolor = DarkGreen,
8670 }%
8671 }
8672 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8673 \bidituftehyperrefLoadHyperref%
8674 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8675 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8676 }

```

58 File `bidituftetitle.sty`

```

8677 \NeedsTeXFormat{LaTeX2e}
8678 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8679 bidi implementation of tufte title]
8680 \RequirePackage{biditools}
8681 %%
8682 % `titlepage' option -- creates a full title page with \maketitle
8683 \newboolean{@bidituftetitle@titlepage}
8684 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}

```



```

8685 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
8686 % Default `book' and `handout' options
8687 \@ifclassloaded{book}{%
8688 \ExecuteOptions{titlepage}}{%
8689 \@ifclassloaded{article}{%
8690 \ExecuteOptions{notitlepage}}%
8691 {}}
8692 \ProcessOptions
8693 %%
8694 % Modified \title, \author, and \date commands. These store the
8695 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8696 \newcommand{\plaintitle}{}% plain-text-only title
8697 \newcommand{\plainauthor}{}% plain-text-only author
8698 \newcommand{\plainpublisher}{}% plain-text-only publisher
8699 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8700 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8701 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8702 \newcommand{@publisher}{}% full publisher with \thanks{}
8703 \newcommand{\thedata}{\today}
8704 \bidi@patch@AfterPackage{bidi}{%
8705 \renewcommand{\thanks}[1]{\footnote{#1}}
8706 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8707 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8708 }
8709 \renewcommand{\title}[2] []{%
8710 \gdef@ttitle{#2}%
8711 \begingroup%
8712 % TODO store contents of \thanks command
8713 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8714 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8715 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8716 \protected@xdef\thanklesstitle{#2}%
8717 \endgroup%
8718 \ifthenelse{\isempty{#1}}%
8719 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8720 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8721 \@ifundefined{hypersetup}%
8722 {}% hyperref is not loaded; do nothing
8723 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8724 }
8725 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8726 \renewcommand{\author}[2] []{%
8727 \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
8728 \begingroup%
8729 % TODO store contents of \thanks command
8730 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8731 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8732 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8733 \protected@xdef\thanklessauthor{#2}%
8734 \endgroup%
8735 \ifthenelse{\isempty{#1}}%
8736 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8737 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8738 \@ifundefined{hypersetup}%

```



```

8739     {}% hyperref is not loaded; do nothing
8740     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8741 }
8742 \renewcommand{\date}[1]{%
8743   \gdef\@date{#1}%
8744   \begingroup%
8745     % TODO store contents of \thanks command
8746     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8747     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8748     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8749     \protected@xdef\thedata{#1}%
8750   \endgroup%
8751 }
8752 %%
8753 % Provides a \publisher command to set the publisher
8754 \newcommand{\publisher}[2] []{%
8755   \gdef\@publisher{#2}%
8756   \begingroup%
8757     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8758     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8759     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8760     \protected@xdef\thanklesspublisher{#2}%
8761   \endgroup%
8762   \ifthenelse{\isempty{#1}}
8763     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8764     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8765 }
8766 %%
8767 % Produces a full title page
8768 \newcommand{\maketitlepage}[0]{%
8769   \cleardoublepage%
8770   {%
8771     \bfseries%
8772     \begin{fullwidth}%
8773       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8774       \vspace{11.5pc}%
8775       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8776       \vfill%
8777       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8778     \end{fullwidth}%
8779   }
8780   \thispagestyle{empty}%
8781   \clearpage%
8782 }
8783 %%
8784 % Title block
8785 \bidi@AfterEndPreamble{%
8786 \renewcommand{\maketitle}{%
8787   \newpage%
8788   \global\@topnum\z@% prevent floats from being placed at the top of the page
8789   \begingroup%
8790     \setlength{\parindent}{0pt}%
8791     \setlength{\parskip}{4pt}%
8792     \let\@title\@empty%

```



```

8793 \let\@author\empty%
8794 \let\@date\empty%
8795 \gdef\@title{\LARGE\itshape\@title\par}%
8796 \gdef\@author{\Large\itshape\@author\par}%
8797 \gdef\@date{\Large\itshape\@date\par}%
8798 \@@title%
8799 \@@author%
8800 \@@date%
8801 \endgroup%
8802 \thispagestyle{plain}% suppress the running head
8803 }%
8804 }
8805 %%
8806 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
8807 % class.)
8808 \bidi@AfterEndPreamble{%
8809 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
8810 {\renewcommand{\maketitle}{\maketitlepage}}
8811 {}
8812 }
8813 %%
8814 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8815 % without headers and footers
8816 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8817 \hbox{}
8818 %\vspace*{\fill}
8819 %\begin{center}
8820 % This page intentionally contains only this sentence.
8821 %\end{center}
8822 %\vspace{\fill}
8823 \thispagestyle{empty}
8824 \newpage
8825 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8826 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8827 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8828 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8829 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8830 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
8831 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
8832 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
8833 \ProcessOptions\relax
8834 \LoadClass{article}
8835 \RequirePackage{bidentuftefloat}
8836 \RequirePackage{bidentuftesidenote}
8837 \RequirePackage{bidentuftetoc}
8838 \RequirePackage{bidentuftegeneralstructure}
8839 \RequirePackage{bidentuftehyperref}
8840 \RequirePackage{bidentuftetitle}
8841 \renewenvironment{abstract}
8842 {\begin{quotation}}
8843 {\end{quotation}}

```



```

8844 \AtBeginDocument{%
8845 \IfFileExists{biditufte-handout.cfg}
8846   {\input{biditufte-handout.cfg}
8847    \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8848   }%
8849 }

```

60 File biditufte-book.cls

```

8850 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8851 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8852 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8853 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8854 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
8855 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8856 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditufтетitle}}
8857 \ProcessOptions\relax
8858 \LoadClass{book}
8859 \RequirePackage{bidituftefloat}
8860 \RequirePackage{bidituftesidenote}
8861 \RequirePackage{bidituftetoc}
8862 \RequirePackage{bidituftegeneralstructure}
8863 \RequirePackage{bidituftehyperref}
8864 \RequirePackage{biditufтетitle}
8865 %%
8866 % Set up any book-specific stuff now
8867 %%
8868 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8869 % to the opening page of Chapter 1. The running heads, when they appear,
8870 % contain only the (arabic) page number in the outside corner.
8871 %\newif\if@mainmatter \@mainmattertrue
8872 \renewcommand\frontmatter{%
8873   \cleardoublepage%
8874   \@mainmatterfalse%
8875   \pagenumbering{arabic}%
8876   %\pagestyle{plain}%
8877   \fancyhf{}%
8878   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8879     {\fancyhead[LE,RO]{\thepage}}%
8880     {\fancyhead[RE,RO]{\thepage}}%
8881 }
8882 %%
8883 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8884 % numbering---it continues where it left off in the front matter.
8885 \renewcommand\mainmatter{%
8886   \cleardoublepage%
8887   \@mainmattertrue%
8888   \fancyhf{}%
8889   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8890     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
8891     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8892     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8893     \fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}% book titl
8894 }

```



```

8895 %%
8896 % The back matter contains appendices, indices, glossaries, endnotes,
8897 % bibliographies, list of contributors, illustration credits, etc.
8898 \renewcommand\backmatter{%
8899   \if@openright%
8900     \cleardoublepage%
8901   \else%
8902     \clearpage%
8903   \fi%
8904   \@mainmatterfalse%
8905 }
8906 %%
8907 % Only show the chapter titles in the table of contents
8908 \setcounter{tocdepth}{0}
8909 \AtBeginDocument{%
8910 \IfFileExists{biditufte-book.cfg}
8911   {\input{biditufte-book.cfg}
8912     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8913   {}%
8914 }

```

61 File bidipoem.sty

```

8915 \NeedsTeXFormat{LaTeX2e}
8916 \ProvidesPackage{bidipoem}%
8917 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8918
8919 % Usage:
8920 %
8921 % \Setversedim #1#2 % define the layout (within a group):
8922 % #1 = length of both half-verses
8923 % #2 = separation distance = length of a connection, if present
8924 % Variant:
8925 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8926 % #1 = length of first (=right) half-verse
8927 % #2 = length of second (=left) half-verse
8928 % #3 = separation distance = length of a connection, if present
8929 %
8930 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8931 % #1 = text of first (=right) half-verse
8932 % #2 = text of second (=left) half-verse
8933 % Variant:
8934 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8935 % #1 = text of first (=right) half-verse
8936 % #2 = text of connection
8937 % #3 = text of second (=left) half-verse
8938 %
8939 % Alternative (if preferred):
8940 %
8941 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8942
8943
8944 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8945

```



```

8946 % define the layout, verses will be centered
8947
8948 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8949 \newdimen \bidipoem@hvind \newdimen \bidipoem@hvlen
8950
8951 \newcommand*\Setversedim}[2]{% set lengths of half-verse, [separation]
8952 \bidipoem@hvind \textwidth
8953 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8954 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8955 \bidipoem@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipo
8956
8957 \def \bidipoem@set@verseI [#1]{% optional parameter
8958 \bidipoem@hvlen #1\relax \bidipoem@set@@verse }
8959
8960 \newcommand*\bidipoem@set@@verse}[1]{% separation
8961 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
8962 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8963
8964 \newcommand*\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8965 \ifdim Opt > \bidipoem@hvind %
8966 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
8967 \else
8968 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8969 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8970 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
8971 \par }
8972
8973 % macro for two half verses
8974 \newcommand*\traditionalhalfverses}[2]{% optional parameter?
8975 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
8976 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8977 \bidipoem@half@verses@next}
8978
8979 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8980 \traditionalconnverses {#1}{#2}{#3}}
8981
8982
8983 {\catcode\^^M=\active % these lines must end with %
8984 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
8985 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
8986 {\catcode\^^M=\active % these lines must end with %
8987 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8988 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8989 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8990 \def\poemmarginsskip{1em plus 1fil minus 1em}
8991 \def\poemextrabaseskip{0\baselineskip}
8992 \def\poemskip{\medskip}
8993 \newcommand{\bidipoem@openbox}{\leavevmode
8994 \hbox to.77778em{%
8995 \hfil\vrule
8996 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8997 \vrule\hfil}}
8998 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8999 \newdimen\versewidth

```



```

9000 \newtoks\bidipoem@p@ftn
9001 \def\poem@verse#1{%
9002 \ifdim\wd#1>\new@poem@width
9003 \xdef\new@poem@width{\the\wd#1}%
9004 \ifdim\new@poem@width>\poem@width
9005 \xdef\poem@width{\new@poem@width}%
9006 \global\let\poem@needrun\relax
9007 \fi
9008 \fi
9009 \hbox to\poem@width{\unhbox#1}%
9010 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
9011 }
9012 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\relax}
9013 \def\poem@lineend{\nobreak\hskip\poemmargin\hskip\@flushglue\vadjust{}}
9014 \def\poem@lineversesep{%
9015 \nobreak
9016 \hskip\z@ plus 1filll%
9017 \penalty600%
9018 \hskip\poemcolsepskip
9019 \hskip\z@ plus -2filll%
9020 \vadjust{}}%
9021 \nobreak
9022 \hskip\z@ plus 1filll%
9023 }
9024 \def\poem@lineparsebegin{%
9025 \halign\bgroup
9026 \global\setbox\verse@i=\hbox{%
9027 \let\@footnotetext\bidipoem@p@ftntext%
9028 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9029 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9030 \let\@xfootnotenext\bidipoem@p@xftntext%
9031 \let\@xfootnote\bidipoem@p@xfootnote%
9032 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9033 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9034 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9035 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9036 \ignorespaces##\unskip}&&
9037 \global\setbox\verse@ii=\hbox{%
9038 \let\@footnotetext\bidipoem@p@ftntext%
9039 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9040 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9041 \let\@xfootnotenext\bidipoem@p@xftntext%
9042 \let\@xfootnote\bidipoem@p@xfootnote%
9043 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9044 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9045 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9046 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9047 \ignorespaces##\unskip}
9048 \cr
9049 }
9050 \def\poem@lineparseend{%
9051 \crrc\egroup
9052 \vskip-\baselineskip
9053 }

```




```

9054 \def\traditionalpoem@cr{%
9055   \cr\poem@line
9056 }
9057 \newbox\verse@i
9058 \newbox\verse@ii
9059 \newif\ifpoem@started
9060
9061 \def\poem@line{%
9062 \poem@lineparseend
9063 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9064 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9065 \ifpoem@started
9066   \ifdim\wd\verse@ii>\z@\else
9067     \nopagebreak[3]
9068   \fi
9069   \leavevmode
9070   \poem@linebegin
9071   \poem@verse\verse@i
9072   \ifdim\wd\verse@ii>\z@
9073     \poem@lineversesep
9074     \poem@verse\verse@ii
9075   \fi
9076   \poem@lineend
9077 % \nopagebreak
9078   \par
9079   \vskip\poemextrabaselineskip
9080 \fi
9081 \poem@lineparsebegin
9082 }
9083 \def\@traditionalpoem{%
9084 \stepcounter{poem@no}
9085   \ifnum\max@poem@no<\number\c@poem@no%
9086 \xdef\poem@width{\z@}%
9087   \else
9088 \xdef\poem@width{\poem@prop{poem@width}}%
9089 \fi
9090 \xdef\new@poem@width{\z@}%
9091 \global\versewidth=\poem@width
9092 \poemskip\par
9093 \begingroup
9094 \tabskip=\z@
9095 \parskip=\z@
9096 \parindent=\z@
9097 \parfillskip=\z@
9098 \rightskip=\z@
9099 \leftskip=\z@
9100 \widowpenalty=10000% No break between verses of the same line.
9101 \clubpenalty=10000% Same as above. Not really needed.
9102 \def\newblock{\hfil\poemblocksep\hfil\null}%
9103 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9104 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9105 \global\poem@startedfalse
9106 \csname poem@obeylines\endcsname
9107 \let\poem@obeylines\relax

```



```

9108 \poem@lineparsebegin
9109 }
9110 \def\@endtraditionalpoem{%
9111 \cr
9112 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9113 \noalign{%
9114 \skip0=\poemextrabaseskip
9115 \vskip-\skip0
9116 \vskip-\baseskip
9117 }%
9118 \fi\fi
9119 \poem@lineparseend
9120 \endgroup
9121 \par
9122 \vskip\baseskip
9123 \poemskip
9124 \ifdim\new@poem@width<\poem@width
9125 \global\let\poem@needrun\relax
9126 \fi
9127 \poem@write@aux{\poem@width@romannumerals\c@poem@no}{\new@poem@width}%
9128 \ifx\AtEndDocument\undefined\poem@finish\fi
9129 \@endparenv
9130 }
9131
9132
9133 \long\def\bidipoem@p@ftntext#1{%
9134 \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
9135 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
9136 \long\def\bidipoem@p@LTRftntext#1{%
9137 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
9138 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9139 \long\def\bidipoem@p@RTLftntext#1{%
9140 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
9141 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9142
9143 \long\def\bidipoem@p@xftntext[#1]#2{%
9144 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}%
9145
9146 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9147 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}%
9148
9149 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9150 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}%
9151
9152 \def\bidipoem@p@xfootnote[#1]{%
9153 \begingroup
9154 \csname c@\@mpfn\endcsname #1\relax
9155 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9156 \endgroup
9157 \@footnotemark\bidipoem@p@xftntext[#1]}
9158
9159 \def\bidipoem@p@xLTRfootnote[#1]{%
9160 \begingroup
9161 \csname c@\@mpfn\endcsname #1\relax

```



```

9162     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9163     \endgroup
9164     \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9165
9166 \def\bidipoem@p@xRTLfootnote[#1]{%
9167     \begingroup
9168     \csname c@\@mpfn\endcsname #1\relax
9169     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9170     \endgroup
9171     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9172
9173
9174
9175 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9176 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=traditionalpoem@obe
9177 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9178 \def\poem@finish{%
9179 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9180 \ifx\poem@needrun\relax
9181 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
9182 \global\let\poem@needrun\undefined
9183 \fi
9184 }
9185 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9186 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9187 \ifx\max@poem@no\undefined
9188     \def\max@poem@no{0}%
9189 \fi
9190 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
9191 \newcommand{\poem@write@aux}[2]{%
9192     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9193     \@x
9194 }
9195 \def\@modernpoem{%
9196 \par
9197 \begingroup
9198 \parskip=\z@
9199 \parindent=\z@
9200 \def\@settab\@tabplus\ignorespaces}%
9201 \def\@settab\@tabminus\ignorespaces}%
9202 \def\newblock{\poemblocksep}%
9203 \let\newpoem@tabcr\@tabcr
9204 \def\modernpoem@par{% Redefine \par for possible \obeylines
9205     \ifpoem@started\else
9206         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9207             \@stopfield
9208             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9209             \@contfield
9210         \fi
9211     \fi
9212     \ifpoem@started\newpoem@tabcr\fi}%
9213 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9214 \global\poem@startedfalse
9215 \csname poem@obeylines\endcsname

```



```

9216 \let\poem@obeylines\relax
9217 \begin{tabbing}%
9218 }
9219 \def\@endmodernpoem{%
9220 \global\poem@startedfalse
9221 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9222   \@stopfield
9223   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9224   \@contfield
9225 \fi
9226 \ifpoem@started\else\let\@stopleftine\@stopfield\fi
9227 \end{tabbing}%
9228 \endgroup
9229 \par
9230   \if@noperlist \else
9231     \ifdim\lastskip >\z@
9232       \@tempskipa\lastskip \vskip -\lastskip
9233       \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9234       \vskip\@tempskipa
9235     \fi
9236     \@endparenv
9237   \fi
9238 }
9239 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9240 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mod
9241 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9242 \gdef\@startfield{%
9243 \global\setbox\@curfield\hbox\bgroup%
9244 \let\@footnotetext\bidipoem@pftntext%
9245 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9246 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9247 \let\@xfootnotenext\bidipoem@p@xftntext%
9248 \let\@xfootnote\bidipoem@p@xfootnote%
9249 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9250 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9251 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9252 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9253 \color@begingroup}
9254 \gdef\@stopfield{%
9255   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn
9256 \gdef\@contfield{%
9257 \global\setbox\@curfield\hbox\bgroup%
9258 \let\@footnotetext\bidipoem@pftntext%
9259 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9260 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9261 \let\@xfootnotenext\bidipoem@p@xftntext%
9262 \let\@xfootnote\bidipoem@p@xfootnote%
9263 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9264 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9265 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9266 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9267 \color@begingroup\unhbox\@curfield}

```



62 File boek3-xetex-bidi.def

```
9268 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for Xe
9269 \renewenvironment{theindex}{%
9270   \if@twocolumn
9271     \@restonecolfalse
9272   \else
9273     \@restonecoltrue
9274   \fi
9275   \columnseprule \z@
9276   \columnsep 35\p@
9277   \twocolumn[\@makeschapterhead{\indexname}]%
9278   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9279   \thispagestyle{plain}\parindent\z@
9280   \parskip\z@ \@plus .3\p@\relax
9281   \let\item\@idxitem
9282 }{%
9283   \if@restonecol\onecolumn\else\clearpage\fi}
9284 \renewcommand*{head@style}{%
9285   \interlinepenalty \@M
9286   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9287   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9288 \renewcommand*{@regtocline[3]}{%
9289   \ifnum #1>\c@tocdepth
9290     \else
9291       \vskip\z@\@plus.2\p@
9292       {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
9293         \if@RTL\rightskip\else\leftskip\fi\unitindent
9294         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9295         \parfillskip\z@
9296         \@tempdima\unitindent
9297         \parindent\z@
9298         \leavevmode
9299         \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9300         \hskip 1em \nobreak{\slshape #3}\par
9301       }%
9302   \fi}
9303 \if@oldtoc
9304 \renewcommand*{l@part[2]}{%
9305   \ifnum \c@tocdepth >-2\relax
9306     \addpenalty{-\@highpenalty}%
9307     \addvspace{2.25em \@plus\p@}%
9308     \begingroup
9309       \setlength\@tempdima{3em}%
9310       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9311       \parfillskip -\@pnumwidth
9312       {\leavevmode
9313         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9314       \nobreak
9315       \global\@nobreaktrue
9316       \everypar{\global\@nobreakfalse\everypar{}}%
9317     \endgroup
9318   \fi}
9319 \else
```



```

9320 \renewcommand*\l@part{%
9321 \ifnum \c@tocdepth >-2\relax
9322 \addpenalty{-\@highpenalty}%
9323 \addvspace{2.25em \@plus \p@}%
9324 \@regtocline{0}%
9325 \fi}
9326 \fi
9327 \if@oldtoc
9328 \renewcommand*\l@chapter[2]{%
9329 \addpenalty{-\@highpenalty}%
9330 \vskip 1.0em \@plus \p@
9331 \setlength\@tempdima{1.5em}%
9332 \begingroup
9333 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9334 \parfillskip -\@pnumwidth
9335 \leavevmode \bfseries
9336 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
9337 \hskip -\if@RTL\rightskip\else\leftskip\fi
9338 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9339 \penalty\@highpenalty
9340 \endgroup}
9341 \else
9342 \renewcommand*\l@chapter{\@regtocline{0}}
9343 \fi
9344 \renewenvironment{abstract}{%
9345 \titlepage
9346 \null\vfil
9347 \section*{\SectFont \abstractname}
9348 \noindent\ignorespaces}
9349 {\par\vfil\null\endtitlepage}
9350 \renewenvironment{thebibliography}[1]
9351 {\chapter*{\bibname}%
9352 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9353 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
9354 \bidi@thebibliography@font@hook%
9355 \list{\@biblabel{\@arabic\c@enumiv}}%
9356 {\settowidth\labelwidth{\@biblabel{#1}}%
9357 \leftmargin\labelwidth
9358 \advance\leftmargin\labelsep
9359 \@openbib@code
9360 \usecounter{enumiv}%
9361 \let\p@enumiv\@empty
9362 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9363 \sloppy\clubpenalty4000\widowpenalty4000%
9364 \sfcode`. \@m}
9365 {\def\@noitemerr
9366 {\@latex@warning{Empty `thebibliography' environment}}%
9367 \endlist}
9368 \renewcommand*\left@footnoterule{%
9369 \kern-3\p@
9370 \kern.5\baselineskip
9371 \hrule\@width\unitindent
9372 \kern.4\baselineskip
9373 }

```



```

9374 \renewcommand*\right@footnoterule{%
9375   \kern-3\p@
9376   \kern.5\baselineskip
9377   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9378   \kern.4\baselineskip}
9379 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9380 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
9381 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
9382 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9383 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9384 \renewcommand*\theequation{%
9385   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9386 \renewcommand*\thefigure{%
9387   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9388 \renewcommand*\thetable{%
9389   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9390 \renewcommand*\maketitle{%
9391   \begin{titlepage}%
9392     \let\footnotesize\small
9393     \let\right@footnoterule\relax
9394     \let\left@footnoterule\relax
9395     \let\textwidth@footnoterule\relax
9396     \let \footnote \thanks
9397     \long\def\@makefnmark##1{\parindent\z@
9398       \def\labelitemi{\textendash}\@revlabeltrue
9399       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9400   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9401   \if@compatibility\setcounter{page}{0}\fi
9402   \null\vfil
9403   \vskip 60\p@
9404   \begin{center}%
9405     \TitleFont
9406     {\LARGE \def\\{\penalty -\@M}
9407       \if@allcaps
9408         \expandafter\uc@nothanks\@title\thanks\relax
9409       \else
9410         \@title
9411       \fi\par}%
9412   \vskip 3em%
9413   {\large
9414     \lineskip .75em \parindent\z@
9415     \begin{tabular}[t]{c}%
9416       \if@allcaps
9417         \expandafter\uc@authornothanks\@author\and\relax
9418       \else
9419         \@author
9420       \fi
9421     \end{tabular}\par}%
9422   \vskip 1.5em%
9423   {\large
9424     \if@allcaps
9425       \uppercase\expandafter{\@date}%
9426     \else
9427       \@date

```



```

9428     \fi\par}%
9429     \end{center}\par
9430     \@thanks
9431     \vfil\null
9432 \end{titlepage}%
9433 \setcounter{footnote}{0}%
9434 \global\let\thanks\relax
9435 \global\let\maketitle\relax
9436 \global\let\@thanks\@empty
9437 \global\let\@author\@empty
9438 \global\let\@title\@empty
9439 \global\let\@date\@empty
9440 \global\let\title\relax
9441 \global\let\author\relax
9442 \global\let\date\relax
9443 \global\let\and\relax
9444 }

```

63 File boek-xetex-bidi.def

```

9445 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9446 \renewenvironment{theindex}{%
9447   \if@twocolumn
9448     \@restonecolfalse
9449   \else
9450     \@restonecoltrue
9451   \fi
9452   \columnseprule \z@
9453   \columnsep 35\p@
9454   \twocolumn[\@makeschapterhead{\indexname}]%
9455   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9456   \thispagestyle{plain}\parindent\z@
9457   \parskip\z@ \@plus .3\p@\relax
9458   \let\item\@idxitem
9459 }{%
9460 \if@restonecol\onecolumn\else\clearpage\fi}
9461 \renewcommand*{head@style}{%
9462   \interlinepenalty \@M
9463   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9464   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
9465 \renewcommand*{@regtocline}[3]{%
9466   \ifnum #1>\c@tocdepth
9467   \else
9468     \vskip\z@\@plus.2\p@
9469     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9470     \if@RTL\rightskip\else\leftskip\fi\unitindent
9471     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9472     \parfillskip\z@
9473     \@tempdima\unitindent
9474     \parindent\z@
9475     \leavevmode
9476     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9477     \hskip 1em \nobreak{\slshape #3}\par
9478   }%

```




```

9479 \fi}
9480 \if@oldtoc
9481 \renewcommand*\l@part[2]{%
9482 \ifnum \c@tocdepth >-2\relax
9483 \addpenalty{-\@highpenalty}%
9484 \addvspace{2.25em \@plus\p@}%
9485 \begingroup
9486 \setlength\@tempdima{3em}%
9487 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9488 \parfillskip -\@pnumwidth
9489 {\leavevmode
9490 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9491 \nobreak
9492 \global\@nobreaktrue
9493 \everypar{\global\@nobreakfalse\everypar{}}%
9494 \endgroup
9495 \fi}
9496 \else
9497 \renewcommand*\l@part{%
9498 \ifnum \c@tocdepth >-2\relax
9499 \addpenalty{-\@highpenalty}%
9500 \addvspace{2.25em \@plus \p@}%
9501 \@regtocline{0}%
9502 \fi}
9503 \fi
9504 \if@oldtoc
9505 \renewcommand*\l@chapter[2]{%
9506 \addpenalty{-\@highpenalty}%
9507 \vskip 1.0em \@plus\p@
9508 \setlength\@tempdima{1.5em}%
9509 \begingroup
9510 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9511 \parfillskip -\@pnumwidth
9512 \leavevmode \bfseries
9513 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9514 \hskip -\if@RTL\rightskip\else\leftskip\fi
9515 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9516 \penalty\@highpenalty
9517 \endgroup}
9518 \else
9519 \renewcommand*\l@chapter{\@regtocline{0}}
9520 \fi
9521 \renewcommand*\left@footnoterule{%
9522 \kern-3\p@
9523 \kern.5\baselineskip
9524 \hrule\@width\unitindent
9525 \kern.4\baselineskip
9526 }
9527 \renewcommand*\right@footnoterule{%
9528 \kern-3\p@
9529 \kern.5\baselineskip
9530 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9531 \kern.4\baselineskip}
9532 \renewenvironment{abstract}{%

```



```

9533     \titlepage
9534     \null\vfil
9535     \section*{\SectFont \abstractname}
9536     \noindent\ignorespaces}
9537     {\par\vfil\null\endtitlepage}
9538 \renewenvironment{thebibliography}[1]
9539     {\chapter*{\bibname}%
9540      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9541      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
9542      \bidi@thebibliography@font@hook%
9543      \list{\@biblabel{\@arabic\c@enumiv}}%
9544           {\settowidth\labelwidth{\@biblabel{#1}}%
9545            \leftmargin\labelwidth
9546            \advance\leftmargin\labelsep
9547            \@openbib@code
9548            \usecounter{enumiv}%
9549            \let\p@enumiv\empty
9550            \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9551      \sloppy\clubpenalty4000\widowpenalty4000%
9552      \sfcode`..\@M}
9553     {\def\@noitemerr
9554      {\@latex@warning{Empty `thebibliography' environment}}%
9555     \endlist}
9556 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9557 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9558 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9559 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9560 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9561 \renewcommand*\theequation{%
9562   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9563 \renewcommand*\thefigure{%
9564   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9565 \renewcommand*\thetable{%
9566   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9567 \renewcommand*\maketitle{%
9568   \begin{titlepage}%
9569     \let\footnotesize\small
9570     \let\right@footnoterule\relax
9571     \let\left@footnoterule\relax
9572     \let\textwidth@footnoterule\relax
9573     \let \footnote \thanks
9574     \long\def\@makefntext##1{\parindent\z@
9575       \def\labelitemi{\textendash}\@revlabeltrue
9576       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9577     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9578     \if@compatibility\setcounter{page}{0}\fi
9579     \null\vfil
9580     \vskip 60\p@
9581     \begin{center}%
9582       \TitleFont
9583       {\LARGE \def\{\penalty -\@M}
9584        \if@allcaps
9585          \expandafter\uc@nothanks\@title\thanks\relax
9586          \else

```



```

9587         \@title
9588         \fi\par}%
9589     \vskip 3em%
9590     {\large
9591         \lineskip .75em \parindent\z@
9592         \begin{tabular}[t]{c}%
9593             \if@allcaps
9594                 \expandafter\uc@authornothanks\@author\and\relax
9595             \else
9596                 \@author
9597             \fi
9598         \end{tabular}\par}%
9599     \vskip 1.5em%
9600     {\large
9601         \if@allcaps
9602             \uppercase\expandafter{\@date}%
9603         \else
9604             \@date
9605         \fi\par}%
9606     \end{center}\par
9607     \@thanks
9608     \vfil\null
9609 \end{titlepage}%
9610 \setcounter{footnote}{0}%
9611 \global\let\thanks\relax
9612 \global\let\maketitle\relax
9613 \global\let\@thanks\@empty
9614 \global\let\@author\@empty
9615 \global\let\@title\@empty
9616 \global\let\@date\@empty
9617 \global\let\title\relax
9618 \global\let\author\relax
9619 \global\let\date\relax
9620 \global\let\and\relax
9621 }

```

64 File `bookest-xetex-bidi.def`

```

9622 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class fo
9623 \def\@makechapterhead#1{%
9624     \vspace*{20\p@}
9625     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9626         \ifnum \c@secnumdepth >\m@ne
9627             \if@mainmatter
9628                 {\colorA\huge\scshape \@chapapp\space \thechapter}
9629                 \par\nobreak
9630                 \vskip 10\p@
9631             \fi
9632         \fi
9633         \interlinepenalty\@M
9634     {\colorB\hrule}
9635     \vskip 15\p@
9636     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9637         {\colorA\Huge \bfseries #1}\par\nobreak

```



```

9638 \if@RTL\end{flushleft}\else\end{flushright}\fi
9639 \vskip 5\p@
9640 {\colorB\hrule}
9641 \vskip 30\p@
9642 }}
9643 \def\@makeschapterhead#1{%
9644 \vspace*{20\p@}
9645 {\parindent \z@ \raggedright \normalfont
9646 {\colorB\hrule}
9647 \vskip 15\p@
9648 \begin{center}
9649 {\colorA\Huge \bfseries #1}\par\nobreak
9650 \end{center}
9651 \vskip 5\p@
9652 {\colorB\hrule}
9653 \vskip 30\p@
9654 }}

```

65 File book-xetex-bidi.def

```

9655 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
9656 \renewenvironment{theindex}
9657     {\if@twocolumn
9658         \@restonecolfalse
9659         \else
9660             \@restonecoltrue
9661         \fi
9662         \columnseprule \z@
9663         \columnsep 35\p@
9664         \twocolumn[\@makeschapterhead{\indexname}]%
9665         \@mkboth{\MakeUppercase\indexname}%
9666                 {\MakeUppercase\indexname}%
9667         \thispagestyle{plain}\parindent\z@
9668         \parskip\z@ \@plus .3\p@\relax
9669         \let\item\@idxitem}
9670     {\if@restonecol\onecolumn\else\clearpage\fi}
9671 \ifclassloaded{bookest}{}{%
9672 \if@titlepage
9673 \renewcommand\maketitle{\begin{titlepage}%
9674 \let\footnotesize\small
9675 \let\right@footnoterule\relax
9676 \let\left@footnoterule\relax
9677 \let\textwidth@footnoterule\relax
9678 \let \footnote \thanks
9679 \let \LTRfootnote \LTRthanks
9680 \let \RTLfootnote \RTLthanks
9681 \null\vfil
9682 \vskip 60\p@
9683 \begin{center}%
9684     {\LARGE \@title \par}%
9685     \vskip 3em%
9686     {\large
9687     \lineskip .75em%
9688     \begin{tabular}[t]{c}%

```



```

9689     \@author
9690     \end{tabular}\par}%
9691     \vskip 1.5em%
9692     {\large \@date \par}%           % Set date in \large size.
9693 \end{center}\par
9694 \@thanks
9695 \vfil\null
9696 \end{titlepage}%
9697 \setcounter{footnote}{0}%
9698 \global\let\thanks\relax
9699 \global\let\LTRthanks\relax
9700 \global\let\RTLthanks\relax
9701 \global\let\maketitle\relax
9702 \global\let\@thanks\@empty
9703 \global\let\@author\@empty
9704 \global\let\@date\@empty
9705 \global\let\@title\@empty
9706 \global\let\title\relax
9707 \global\let\author\relax
9708 \global\let\date\relax
9709 \global\let\and\relax
9710 }
9711 \else
9712 \renewcommand\maketitle{\par
9713   \begingroup
9714     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9715     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9716     \long\def\@makefntext##1{\parindent 1em\noindent
9717       \hb@xt@1.8em{%
9718         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9719     \if@twocolumn
9720       \ifnum \col@number=\@one
9721         \@maketitle
9722       \else
9723         \twocolumn[\@maketitle]%
9724       \fi
9725     \else
9726       \newpage
9727       \global\@topnum\z@   % Prevents figures from going at top of page.
9728       \@maketitle
9729     \fi
9730     \thispagestyle{plain}\@thanks
9731   \endgroup
9732   \setcounter{footnote}{0}%
9733   \global\let\thanks\relax
9734   \global\let\LTRthanks\relax
9735   \global\let\RTLthanks\relax
9736   \global\let\maketitle\relax
9737   \global\let\@maketitle\relax
9738   \global\let\@thanks\@empty
9739   \global\let\@author\@empty
9740   \global\let\@date\@empty
9741   \global\let\@title\@empty
9742   \global\let\title\relax

```



```

9743 \global\let\author\relax
9744 \global\let\date\relax
9745 \global\let\and\relax
9746 }
9747 \def\@maketitle{%
9748 \newpage
9749 \null
9750 \vskip 2em%
9751 \begin{center}%
9752 \let \footnote \thanks
9753 \let \LTRfootnote \LTRthanks
9754 \let \RTLfootnote \RTLthanks
9755 {\LARGE \@title \par}%
9756 \vskip 1.5em%
9757 {\large
9758 \lineskip .5em%
9759 \begin{tabular}[t]{c}%
9760 \@author
9761 \end{tabular}\par}%
9762 \vskip 1em%
9763 {\large \@date}%
9764 \end{center}%
9765 \par
9766 \vskip 1.5em}
9767 \fi}
9768 \renewcommand*\l@part[2]{%
9769 \ifnum \c@tocdepth >-2\relax
9770 \addpenalty{-\@highpenalty}%
9771 \addvspace{2.25em \@plus\p@}%
9772 \setlength\@tempdima{3em}%
9773 \begingroup
9774 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9775 \parfillskip -\@pnumwidth
9776 {\leavevmode
9777 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9778 \nobreak
9779 \global\@nobreaktrue
9780 \everypar{\global\@nobreakfalse\everypar{}}%
9781 \endgroup
9782 \fi}
9783 \renewcommand*\l@chapter[2]{%
9784 \ifnum \c@tocdepth >\m@ne
9785 \addpenalty{-\@highpenalty}%
9786 \vskip 1.0em \@plus\p@
9787 \setlength\@tempdima{1.5em}%
9788 \begingroup
9789 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9790 \parfillskip -\@pnumwidth
9791 \leavevmode \bfseries
9792 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9793 \hskip -\if@RTL\rightskip\else\leftskip\fi
9794 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9795 \penalty\@highpenalty
9796 \endgroup

```



```

9797 \fi}
9798 \renewcommand\left@footnoterule{%
9799 \kern-3\p@
9800 \hrule\@width.4\columnwidth
9801 \kern2.6\p@}
9802 \renewcommand\right@footnoterule{%
9803 \kern-3\p@
9804 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9805 \kern2.6\p@}
9806 \renewcommand\theequation
9807 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9808 \renewcommand \thefigure
9809 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9810 \renewcommand \thetable
9811 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9812 \renewcommand \thechapter {\@arabic\c@chapter}
9813 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9814 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9815 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9816 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9817 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9818 \def\@makechapterhead#1{%
9819 \vspace*{50\p@}%
9820 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9821 \ifnum \c@secnumdepth >\m@ne
9822 \ifmainmatter
9823 \huge\bfseries \@chapapp\space \thechapter
9824 \par\nobreak
9825 \vskip 20\p@
9826 \fi
9827 \fi
9828 \interlinepenalty\@M
9829 \Huge \bfseries #1\par\nobreak
9830 \vskip 40\p@
9831 }}
9832 \def\@makeschapterhead#1{%
9833 \vspace*{50\p@}%
9834 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9835 \normalfont
9836 \interlinepenalty\@M
9837 \Huge \bfseries #1\par\nobreak
9838 \vskip 40\p@
9839 }}
9840 \renewcommand\backmatter{%
9841 \if@openright
9842 \cleardoublepage
9843 \else
9844 \clearpage
9845 \fi
9846 \@mainmatterfalse}
9847 \renewenvironment{thebibliography}[1]
9848 {\chapter*{\bibname}%
9849 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9850 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

9851 \bidi@thebibliography@font@hook%
9852 \list{\@biblabel{\@arabic\c@enumiv}}%
9853     {\settowidth\labelwidth{\@biblabel{#1}}%
9854      \leftmargin\labelwidth
9855      \advance\leftmargin\labelsep
9856      \@openbib@code
9857      \usecounter{enumiv}%
9858      \let\p@enumiv\@empty
9859      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9860 \sloppy
9861 \clubpenalty4000
9862 \@clubpenalty \clubpenalty
9863 \widowpenalty4000%
9864 \sfcode`. \m}
9865 {\def\@noitemerr
9866   {\@latex@warning{Empty `thebibliography' environment}}%
9867 \endlist}

```

66 File breqn-xetex-bidi.def

```

9868 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for
9869 \def\@dmath[#1]{\ifRTL\@RTLfalse\fi%
9870 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9871 \ifnoskipsec \leavevmode \fi
9872 \ifinlabel \leavevmode \global\@inlabelfalse \fi
9873 \if\eq@group\else\eq@prelim\fi
9874 \setkeys{breqn}{#1}%
9875 \the\eqstyle
9876 \eq@setnumber
9877 \begingroup
9878 \eq@setup@a
9879 \eq@startup
9880 }
9881 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
9882 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9883 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9884 \global\let\GRP@label\@empty
9885 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9886 \global\grp@linewidth\z@\global\grp@wdNum\z@
9887 \global\let\grp@eqs@numbered\@False
9888 \global\let\grp@aligned\@True
9889 \global\let\grp@shiftnumber\@False
9890 \eq@prelim
9891 \setkeys{breqn}{#1}%
9892 \if\grp@hasNumber \grp@setnumber \fi
9893 }
9894 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
9895 \let\display@setup\dseries@display@setup
9896 % Question: should this be the default for dseries???
9897 \global\eq@wdCond\z@
9898 \@dmath[layout={M},#1]%
9899 \mathsurround\z@\@math \penalty\@Mi
9900 \let\endmath\ends@math
9901 \def\premath{%

```




```

9902 \ifdim\lastskip<.3em \unskip
9903 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9904 }%
9905 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9906 \ignorespaces
9907 }
9908 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9909 \renewenvironment{dsuspend}{%
9910 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9911 \parshape 1 \displayindent \displaywidth\relax
9912 \hsize=\columnwidth \noindent\ignorespaces
9913 }{%
9914 \par\egroup
9915 \global\setbox\GRP@box\vbox{%
9916 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
9917 \unvbox\GRP@box
9918 }%
9919 \global\GRP@queue\@xp{\the\GRP@queue
9920 \@elt{\let\eq@isIntertext\@True}%
9921 }%
9922 }

```

67 File cals-xetex-bidi.def

```

9923 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for Xe
9924 \renewcommand\cals@setup@alignment[1]{%
9925 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9926 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9927 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9928 }
9929 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
9930 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9931 \if@RTLtab\cals@activate@rtl\fi
9932 \let\cals@thead@tokens=\relax
9933 \let\cals@tfoot@tokens=\relax
9934 \let\cals@tbody@tokens=\relax
9935 \cals@tfoot@height=0pt \relax
9936 \let\cals@last@context=n%
9937 \let\cals@current@context=b%
9938 \parindent=0pt \relax%
9939 \cals@setup@alignment{#1}%
9940 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9941 %% Alignment inside is independent on center/flushright outside
9942 \parfillskip=0pt plus1fil\relax
9943 \let\cals@borderL=\relax
9944 \let\cals@borderR=\relax
9945 \let\cals@borderT=\relax
9946 \let\cals@borderB=\relax
9947 \setbox\cals@backup@row=\box\voidb@x\relax
9948 \cals@AtBeginTable
9949 }{% End of the table
9950 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9951 \renewcommand\alignL{%
9952 \if@RTLtab

```



```

9953 \cals@vfillAdd\cals@paddingL
9954 \else
9955 \cals@vfillDrop\cals@paddingL
9956 \fi
9957 \cals@vfillDrop\cals@paddingR}
9958 \renewcommand\alignR{%
9959 \if@RTLtab
9960 \cals@vfillDrop\cals@paddingL
9961 \else
9962 \cals@vfillAdd\cals@paddingL
9963 \fi
9964 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9965 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package
9966 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9967 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9968 \renewcommand*\caption@@par{%
9969 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9970 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9971 \def\CT@setup{%
9972 \@tempdimb\col@sep
9973 \@tempdimc\col@sep
9974 \def\CT@color{%
9975 \global\let\CT@do@color\CT@@do@color
9976 \bidicolor}}
9977 \def\@classz{\@classx
9978 \@tempcnta \count@
9979 \prepnext@tok
9980 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9981 \@addtopreamble{\if@RTLtab\beginL\fi%
9982 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9983 \ifcase \@chnum
9984 \hskip\stretch{.5}\kern\z@
9985 \d@llarbegin
9986 \insert@column
9987 \d@llarend\hskip\stretch{.5}\or
9988 \d@llarbegin \insert@column \d@llarend \hfill \or
9989 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9990 $\vcenter
9991 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9992 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9993 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9994 \fi
9995 \if@RTLtab\endR\fi\egroup\egroup
9996 \begingroup
9997 \CT@setup

```



```

9998 \CT@column@color
9999 \CT@row@color
10000 \CT@cell@color
10001 \CT@do@color
10002 \endgroup
10003 \@tempdima\ht\z@
10004 \advance\@tempdima\minrowclearance
10005 \vrule\@height\@tempdima\@width\z@
10006 \unhbox\z@\if@RTLtab\endL\fi}%
10007 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

10008 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for
10009 \long\def\color@b@x#1#2#3{%
10010 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
10011 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
10012 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
10013 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
10014 #1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
10015 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
10016 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi}
10017 \DeclareRobustCommand\color{%
10018 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
10019 \def\@declaredcolor#1{%
10020 \@ifundefined{string\color @#1}%
10021 {\color@error{`#1'}}%
10022 {\expandafter\let\expandafter\current@color
10023 \csname\string\color @#1\endcsname
10024 \set@color}%
10025 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10026 \def\@undeclaredcolor[#1]#2{%
10027 \@ifundefined{color@#1}%
10028 {\color@error{model `#1'}}%
10029 {\csname color@#1\endcsname\current@color{#2}%
10030 \set@color}%
10031 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10032 \DeclareRobustCommand\bidicolor{%
10033 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
10034 \def\@bidiundeclaredcolor[#1]#2{%
10035 \@ifundefined{color@#1}%
10036 {\color@error{model `#1'}}%
10037 {\csname color@#1\endcsname\current@color{#2}%
10038 \set@color}%
10039 \ignorespaces}
10040 \def\@bidideclaredcolor#1{%
10041 \@ifundefined{string\color @#1}%
10042 {\color@error{`#1'}}%
10043 {\expandafter\let\expandafter\current@color
10044 \csname\string\color @#1\endcsname
10045 \set@color}%
10046 \ignorespaces}
10047 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
10048 \def\color@fbox#1#2#3{%

```



```

10049 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}
10050 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmo

```

72 File combine-xetex-bidi.def

```

10051 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class fo
10052 \renewcommand{\c@ll@chapsecii}[2]{%
10053 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
10054 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
10055 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10056 }
10057 \renewcommand{\c@ll@chapsecii}{%
10058 \setlength\@tempdima{0em}%
10059 \begingroup
10060 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10061 \parfillskip -\@pnumwidth
10062 \leavevmode
10063 }
10064 \renewenvironment{tocindent}[1]{%
10065 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10066 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for Xe
10067 \renewcommand*\CROP@@ulc{%
10068 \if@RTLmain%
10069 \begin{picture}(0,0)
10070 \unitlength\p@\thinlines
10071 \put(-40,0){\circle{10}}
10072 \put(-30,-5){\line(0,1){10}}
10073 \put(-35,0){\line(1,0){30}}
10074 \put(-10,30){\circle{10}}
10075 \put(-5,30){\line(1,0){10}}
10076 \put(0,35){\line(0,-1){30}}
10077 \end{picture}%
10078 \else%
10079 \begin{picture}(0,0)
10080 \unitlength\p@\thinlines
10081 \put(-30,0){\circle{10}}
10082 \put(-30,-5){\line(0,1){10}}
10083 \put(-35,0){\line(1,0){30}}
10084 \put(0,30){\circle{10}}
10085 \put(-5,30){\line(1,0){10}}
10086 \put(0,35){\line(0,-1){30}}
10087 \end{picture}%
10088 \fi%
10089 }
10090 \renewcommand*\CROP@@urc{%
10091 \if@RTLmain%
10092 \begin{picture}(0,0)
10093 \unitlength\p@\thinlines
10094 \put(20,0){\circle{10}}
10095 \put(30,-5){\line(0,1){10}}
10096 \put(35,0){\line(-1,0){30}}

```



```

10097     \put(-10,30){\circle{10}}
10098     \put(-5,30){\line(1,0){10}}
10099     \put(0,35){\line(0,-1){30}}
10100 \end{picture}%
10101 \else%
10102 \begin{picture}(0,0)
10103     \unitlength\p@\thinlines
10104     \put(30,0){\circle{10}}
10105     \put(30,-5){\line(0,1){10}}
10106     \put(35,0){\line(-1,0){30}}
10107     \put(0,30){\circle{10}}
10108     \put(-5,30){\line(1,0){10}}
10109     \put(0,35){\line(0,-1){30}}
10110 \end{picture}%
10111 \fi%
10112 }
10113 \renewcommand*\CROP@llc{%
10114 \if@RTLmain%
10115     \begin{picture}(0,0)
10116         \unitlength\p@\thinlines
10117         \put(-40,0){\circle{10}}
10118         \put(-30,-5){\line(0,1){10}}
10119         \put(-35,0){\line(1,0){30}}
10120         \put(-10,-30){\circle{10}}
10121         \put(-5,-30){\line(1,0){10}}
10122         \put(0,-35){\line(0,1){30}}
10123     \end{picture}%
10124 \else%
10125 \begin{picture}(0,0)
10126     \unitlength\p@\thinlines
10127     \put(-30,0){\circle{10}}
10128     \put(-30,-5){\line(0,1){10}}
10129     \put(-35,0){\line(1,0){30}}
10130     \put(0,-30){\circle{10}}
10131     \put(-5,-30){\line(1,0){10}}
10132     \put(0,-35){\line(0,1){30}}
10133 \end{picture}%
10134 \fi%
10135 }
10136 \renewcommand*\CROP@lrc{%
10137 \if@RTLmain%
10138     \begin{picture}(0,0)
10139         \unitlength\p@\thinlines
10140         \put(20,0){\circle{10}}
10141         \put(30,-5){\line(0,1){10}}
10142         \put(35,0){\line(-1,0){30}}
10143         \put(-10,-30){\circle{10}}
10144         \put(-5,-30){\line(1,0){10}}
10145         \put(0,-35){\line(0,1){30}}
10146     \end{picture}%
10147 \else%
10148 \begin{picture}(0,0)
10149     \unitlength\p@\thinlines
10150     \put(30,0){\circle{10}}

```



```

10151     \put(30,-5){\line(0,1){10}}
10152     \put(35,0){\line(-1,0){30}}
10153     \put(0,-30){\circle{10}}
10154     \put(-5,-30){\line(1,0){10}}
10155     \put(0,-35){\line(0,1){30}}
10156   \end{picture}%
10157   \fi%
10158 }
10159 \@ifpackagewith{crop}{cam}{%
10160 \CROP@execopt{cam}%
10161 }{}

```

74 File cutwin-xetex-bidi.def

```

10162 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10163 \renewcommand*{\c@twcompctr}[2]{%
10164   \def\c@twfirst{1}
10165   \loop\advance\c@twwinlines\m@ne
10166   \setbox\c@twslicea=\vsplit#1 to\baselineskip
10167   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10168   \c@twprune{\c@twslicea}{\c@twlftside}%
10169   \c@twprune{\c@twsliceb}{\c@twrtside}%
10170   \ifnum\c@twfirst=\@ne
10171     \setbox#2=\vbox{\unvbox#2\hbox
10172       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@t
10173   \else
10174     \setbox#2=\vbox{\unvbox#2\hbox
10175       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
10176   \fi
10177   \def\c@twfirst{2}
10178   \ifnum\c@twwinlines>\z@\repeat}
10179 \renewcommand*{\c@twcompodctr}[2]{%
10180   \def\c@twrounds{1}
10181   \def\c@twfirst{1}
10182   \@for\c@twlspec:=\c@twb\do{%
10183     \ifnum\c@twrounds=1
10184       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10185       \c@twprune{\c@twslicea}{\c@twlspec}%
10186       \def\c@twrounds{2}
10187     \else
10188       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10189       \c@twprune{\c@twsliceb}{\c@twlspec}%
10190     \ifnum\c@twfirst=1
10191       \setbox#2=\vbox{\unvbox#2\hbox
10192         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL
10193       \def\c@twfirst{2}
10194     \else
10195       \setbox#2=\vbox{\unvbox#2\hbox
10196         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twlicea\el
10197     \fi
10198     \def\c@twrounds{1}
10199   \fi}}

```



75 File cuted-xetex-bidi.def

```
10200 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for
10201
10202 \def\RTL@outputdblcol{%
10203   \if@firstcolumn
10204     \global\@firstcolumnfalse
10205     \global\setbox\@leftcolumn\copy\@outputbox
10206     \splitmaxdepth\maxdimen
10207     \vbadness\maxdimen
10208     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10209     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10210     \toks@\expandafter{\topmark}%
10211     \xdef\@firstcoltopmark{\the\toks0}%
10212     \toks@\expandafter{\splitfirstmark}%
10213     \xdef\@firstcolfirstmark{\the\toks0}%
10214     \ifx\@firstcolfirstmark\@empty
10215       \global\let\@setmarks\relax
10216     \else
10217       \gdef\@setmarks{%
10218         \let\firstmark\@firstcolfirstmark
10219         \let\topmark\@firstcoltopmark}%
10220     \fi
10221   \else
10222     \global\@firstcolumntrue
10223     \setbox\@outputbox\vbox{%
10224       \hb@xt@\textwidth{%
10225         \hskip \columnwidth
10226         \hfil
10227         {\normalcolor\vrule \@width\columnseprule}%
10228         \hfil
10229         \hb@xt@\columnwidth{%
10230           \bidi@firstcolumn@status@write%
10231           \box\@leftcolumn \hss}%
10232         \hskip -\textwidth
10233         \hb@xt@\columnwidth{%
10234           \bidi@lastcolumn@status@write%
10235           \box\@outputbox \hss}%
10236         \hskip \columnsep
10237         \hskip \columnwidth }}%
10238     \ifvoid\hold@viper
10239     \else
10240       \setbox\@outputbox \vbox to\textheight{%
10241         \box\hold@viper
10242         \box\@outputbox
10243         \vss
10244       }%
10245     \fi
10246   \@combinedblfloats
10247   \@setmarks
10248   \@outputpage
10249   \begingroup
10250   \@dblfloatplacement
10251   \@startdblcolumn
```



```

10252     \@whilesw@if@fcolmade \fi{\@outputpage
10253     \@startdblcolumn}%
10254     \ifvoid@viper
10255     \else
10256         \global\setbox@viper\vbox{%
10257             \vskip-\stripsep
10258             \unvbox@viper
10259             }%
10260     \@viperoutput
10261     \fi
10262     \endgroup
10263     \fi}%
10264
10265 \def\LTR@outputdblcol{%
10266     \if@firstcolumn
10267         \global\@firstcolumnfalse
10268         \global\setbox@leftcolumn\copy@outputbox
10269         \splitmaxdepth\maxdimen
10270         \vbadness\maxdimen
10271         \setbox@outputbox\vbox{\unvbox@outputbox\unskip}%
10272         \setbox@outputbox\vsplit@outputbox to\maxdimen
10273         \toks@\expandafter{\topmark}%
10274         \xdef@firstcoltopmark{\the\toks@}%
10275         \toks@\expandafter{\splitfirstmark}%
10276         \xdef@firstcolfirstmark{\the\toks@}%
10277         \ifx@firstcolfirstmark\@empty
10278             \global\let\@setmarks\relax
10279         \else
10280             \gdef\@setmarks{%
10281                 \let\firstmark\@firstcolfirstmark
10282                 \let\topmark\@firstcoltopmark}%
10283         \fi
10284     \else
10285         \global\@firstcolumntrue
10286         \setbox@outputbox\vbox{%
10287             \hb@xt@\textwidth{%
10288                 \hb@xt@\columnwidth{%
10289                     \bidi@firstcolumn@status@write%
10290                     \box@leftcolumn \hss}%
10291                 \hfil
10292                 {\normalcolor\vrule \@width\columnseprule}%
10293                 \hfil
10294                 \hb@xt@\columnwidth{%
10295                     \bidi@lastcolumn@status@write%
10296                     \box@outputbox \hss}}}%
10297         \ifvoid\hold@viper
10298         \else
10299             \setbox@outputbox \vbox to\textheight{%
10300                 \box\hold@viper
10301                 \box@outputbox
10302                 \vss
10303                 }%
10304         \fi
10305     \@combinedblfloats

```




```

10306 \@setmarks
10307 \@outputpage
10308 \begingroup
10309   \@dblfloatplacement
10310   \@startdblcolumn
10311   \@whilesw@if@fcolmade \fi{\@outputpage
10312   \@startdblcolumn}%
10313   \ifvoid\@viper
10314   \else
10315     \global\setbox\@viper\vbox{%
10316       \vskip-\stripsep
10317       \unvbox\@viper
10318     }%
10319     \@viperoutput
10320   \fi
10321 \endgroup
10322 \fi}%
10323
10324 \def\@addviper{%
10325   \@insertfalse
10326   \def\var@@thecol@num{2}%
10327   \if@firstcolumn
10328     \def\var@@thecol@num{1}%
10329     \@reqcolroom=.5\@pageht
10330     \ht@viper=\@reqcolroom
10331     \advance\@reqcolroom by\ht\@viper
10332     \advance\@reqcolroom by\stripsep
10333   \else
10334     \@reqcolroom=\@colht
10335     \advance\@reqcolroom by\@pageht
10336     \ht@viper.5\@reqcolroom
10337     \@reqcolroom=\ht@viper
10338     \advance\@reqcolroom by\ht\@viper
10339     \advance\@reqcolroom by\stripsep
10340     \global\setbox\@holdpg\vbox{%
10341       \setbox\cuted@@tempbox@a\vbox{%
10342         \aftergroup\unvbox
10343         \unvcopy\@leftcolumn
10344         \unskip\unkern\unpenalty
10345         \setbox\@tempboxa\lastbox
10346         \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
10347           %% keeps lastbox
10348         \aftergroup\@leftcolumn
10349       \else
10350         %% removes lastbox
10351       \aftergroup\cuted@@tempbox@a
10352     \fi
10353   }%
10354   \unskip\unkern\unpenalty
10355   \on@stripcols@break
10356   \the\At@ViperColsBreak
10357   \unvbox\@holdpg
10358   }%
10359 \global\At@ViperColsBreak{}}%

```



```

10360     \ht@viper=.5\ht\@holdpg
10361     \ifdim\ht@viper>\@colht
10362         \ht@viper=\@colht
10363     \fi
10364 \fi
10365 %%
10366 %% calculations for breaking
10367 %%
10368 \ifvoid\hold@viper
10369     \ht@hold@viper=\z@
10370 \else
10371     \ht@hold@viper=\ht\hold@viper
10372 \fi
10373 \cuted@@tempdim@b\ht@viper
10374 \set@split@topskip@to\topskip
10375 \loop
10376     \xdef\saved@tempdim@b{\the\cuted@@tempdim@b}%
10377     \setbox\cuted@@varbox@a\copy\@holdpg
10378     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10379     %% set leftcolumn boxes
10380     \setbox\cuted@@tempbox@c\ vbox{\unvbox\cuted@@tempbox@a}%
10381     \setbox\cuted@@tempbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10382     \xdef\var@@leftcolumn@badness{\the\badness}%
10383     %% set rightcolumn boxes
10384     \setbox\cuted@@varbox@c\ vbox{\unvbox\cuted@@varbox@a}%
10385     \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10386     \xdef\var@@rightcolumn@badness{\the\badness}%
10387     %% analyzing split goodness
10388     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10389     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10390     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10391     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10392     \cuted@@wlog@debug{CUTED [----]}%
10393     ^^JLeft: \the\ht\cuted@@tempbox@c
10394     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10395     ^^JRight: \the\ht\cuted@@varbox@c
10396     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10397     ^^JSplit: \the\cuted@@tempdim@b
10398     ^^JExtra height: \the\cuted@@tempdim@spread
10399     }%
10400 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10401     \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10402         \cuted@@tempdim@spread=\z@
10403     \fi
10404 \fi
10405 \ifdim\cuted@@tempdim@spread<\z@
10406     \if@left@column@spread
10407         \if@right@column@shrink
10408             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10409                 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10410             \else
10411                 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rel
10412             \fi
10413         \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}

```



```

10414         \ifnum\badness<\cuted@@column@badness
10415             \cuted@@tempdim@b=\cuted@@tempdim@a
10416             \cuted@@tempdim@spread=\z@
10417         \fi
10418         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10419         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c
10420         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10421     \else
10422         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10423             \unvcopy\cuted@@tempbox@c
10424         }%
10425         \ifnum\badness<\cuted@@column@badness
10426             \@tempdimb=\ht\cuted@@varbox@c
10427             \cuted@@tempdim@spread=\z@
10428         \fi
10429         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the
10430         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10431             \unvcopy\cuted@@varbox@c
10432         }%
10433         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the
10434     \fi
10435     \else
10436         \if@right@column@shrink
10437             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10438         \else
10439             \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10440             \cuted@@tempdim@spread=\z@
10441         \fi
10442     \fi
10443     \fi
10444     \else
10445         \ifdim\cuted@@tempdim@spread>\z@
10446         \ifdim\dimexpr\@tempdimb+\p@\relax>\colht
10447             \cuted@@tempdim@b=\colht
10448             \cuted@@tempdim@spread=\z@
10449         \fi
10450     \fi
10451     \fi
10452     \ifdim\cuted@@tempdim@spread<\z@
10453         \advance\cuted@@tempdim@b 1\p@
10454     \repeat
10455     \wlog{CUTED [- LAST -]}%
10456     ^^JExtra skip:\the\cuted@@tempdim@spread
10457     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10458     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10459     ^^JSplit:\saved@tempdimb
10460     ^^JOutput:\the\cuted@@tempdim@b
10461     ^^JPageshrink:\the\pageshrink
10462     ^^JPagestretch:\the\pagestretch
10463     ^^Jcolht:\the\colht
10464     }%
10465     %%
10466     %% final construction of the cuted page above strip
10467     %%

```



```

10468 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10469 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10470   \cuted@@tempdim@a=\dimexpr
10471     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10472     \relax
10473   \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10474   \unvbox\cuted@@tempbox@c
10475   \ifdim\cuted@@tempdim@spread>\dp\strutbox
10476   \else
10477     \vskip-\cuted@@tempdim@spread
10478   \fi
10479   \prevdepth\z@
10480   \hrule\@height\cuted@@page@rule width\textwidth
10481   \vskip-\cuted@@page@rule
10482   \ifdim\cuted@@tempdim@a>\z@
10483     \if@left@column@spread
10484     \else
10485       \vss
10486     \fi
10487   \else
10488     \ifdim\cuted@@tempdim@a<\z@
10489       \if@left@column@shrink
10490       \else
10491         \vss
10492       \fi
10493     \fi
10494   \fi
10495 }%
10496 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10497   ^^JCUTED [leftcolumn badness]: \number\badness
10498 }%
10499 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10500   \cuted@@tempdim@a=\dimexpr
10501     \cuted@@tempdim@b-\ht\@holdpg
10502     \relax
10503   \unvbox\@holdpg
10504   \ifdim\cuted@@tempdim@a>\z@
10505     \if@right@column@spread
10506     \else
10507       \vss
10508     \fi
10509   \else
10510     \ifdim\cuted@@tempdim@a<\z@
10511       \if@right@column@shrink
10512       \else
10513         \vss
10514       \fi
10515     \fi
10516   \fi
10517 }%
10518 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10519 \setbox\cuted@@tempbox@var\vbox{%
10520   \hb@xt@\textwidth{%
10521     \if@RTLmain

```



```

10522         \hskip \columnwidth
10523         \hfil
10524         {\normalcolor\vrule \@width\columnseprule}%
10525         \hfil
10526         \hb@xt@\columnwidth{%
10527             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10528             \hss
10529         }%
10530         \hskip -\textwidth
10531         \hb@xt@\columnwidth{%
10532             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10533             \hss
10534         }%
10535         \hskip \columnsep
10536         \hskip \columnwidth
10537     \else
10538         \hb@xt@\columnwidth{%
10539             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10540             \hss
10541         }%
10542         \hfil
10543         {\normalcolor\vrule \@width\columnseprule}%
10544         \hfil
10545         \hb@xt@\columnwidth{%
10546             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10547             \hss
10548         }%
10549     \fi
10550     }%
10551 }%
10552 %%
10553 %% finalize cuted page
10554 %%
10555 \ifvoid\hold@viper
10556     \global\setbox\hold@viper\vbox{%
10557         \unvbox\cuted@@tempbox@var
10558         \penalty\interlinepenalty
10559         \vskip\stripsep
10560         \the\preCutedStrip
10561         \ifnum\outputpenalty<-\@Mii
10562             \vskip -\parskip
10563         \fi
10564         \outputpenalty\z@
10565     }%
10566 \else
10567     \global\setbox\hold@viper\vbox{%
10568         \unvbox\hold@viper
10569         \cuted@@tempbox@var
10570         \penalty\interlinepenalty
10571         \vskip\stripsep
10572         \the\preCutedStrip
10573         \ifnum\outputpenalty<-\@Mii
10574             \vskip -\parskip
10575         \fi

```



```

10576         \outputpenalty\z@
10577         }%
10578     \fi
10579 \ifdim\@colht>\@reqcolroom
10580     \global\setbox\hold@viper\vbox{%
10581         \unvbox\hold@viper
10582         \box\@viper
10583         \penalty\interlinepenalty
10584         \the\postCutedStrip
10585         \vskip\stripsep
10586         \ifnum\outputpenalty<-\@Mii
10587             \vskip -\parskip
10588         \fi
10589         \outputpenalty\z@
10590     }%
10591     \@inserttrue
10592     \global\@firstcolumntrue
10593     \advance\ht@hold@viper by-\ht\hold@viper
10594     \global\advance\@colht by\ht\hold@viper
10595     \ifdim\@colht<2.5\baselineskip
10596         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10597             too tall on page \thepage (\var@@thecol@num column)}%
10598         \@emptycol
10599         \if@firstcolumn
10600             \else
10601                 \@emptycol
10602             \fi
10603         \global\@lastvipertrue
10604     \else
10605         \global\ysize\@colht
10606         \global\@colroom\@colht
10607         \check@floats\cuted@@tempdim@a
10608         \ifdim\cuted@@tempdim@a>\z@
10609             \global\advance\@colroom by-\cuted@@tempdim@a
10610         \fi
10611         \ifdim\@colroom<\z@
10612             \global\@colroom1\p@
10613             \ifdim\cuted@@tempdim@a>\@colht
10614                 \@latex@warning@no@line{TOP and/or BOT FLOAT's
10615                     to large on \thepage (\var@@thecol@num column)}%
10616             \fi
10617             \@emptycol
10618             \if@firstcolumn
10619                 \else
10620                     \@emptycol
10621                 \fi
10622             \global\@lastvipertrue
10623         \fi
10624     \fi
10625 \fi
10626 \if@insert
10627 \else
10628     \advance\ht@hold@viper by-\ht\hold@viper
10629     \global\advance\@colht by\ht\hold@viper

```



```

10630     \global\setbox\hold@viper\vbox{%
10631         \unvbox\hold@viper
10632         \set@split@topskip@to{\z@ plus2\p@}%
10633         \vsplit\@viper to\@colht
10634         \vss
10635     }%
10636     \vbox{}%
10637     \global\@firstcolumnfalse
10638     \newpage
10639     \fi
10640     }

```

76 File cvthemebidicasual.sty

```

10641 \NeedsTeXFormat{LaTeX2e}
10642 \ProvidesPackage{cvthemebidicasual}
10643 \DeclareOption{blue}{}
10644 \newif\if@colourorange\@colourorangefalse
10645 \DeclareOption{orange}{\@colourorange>true}
10646 \newif\if@colourgreen\@colourgreenfalse
10647 \DeclareOption{green}{\@colourgreentruer}
10648 \newif\if@colourred\@colourredfalse
10649 \DeclareOption{red}{\@colourredtrue}
10650 \newif\if@colourgrey\@colourgreyfalse
10651 \DeclareOption{grey}{\@colourgreytrue}
10652 \DeclareOption*{
10653     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
10654 \ExecuteOptions{colour}
10655 \ProcessOptions\relax
10656 \renewcommand*{\listitemsymbol}{\textbullet}
10657 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10658 \familynamecolour{808080}
10659 \firstnamecolour{A9A9A9}
10660 \quotecolour{696969}
10661 \addresscolour{696969}
10662 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10663 \sectiontitlecolour{1E90FF}
10664 \subsectioncolour{4682B4}
10665 \definecolor{rulecolour}{gray}{0.6}
10666 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10667 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10668 \if@colourorange
10669     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10670     \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10671     \sectiontitlecolour{FF8C00}
10672     \subsectioncolour{FF8C00}
10673     \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10674     \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10675 \if@colourgreen
10676     \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10677     \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10678     \sectiontitlecolour{008000}
10679     \subsectioncolour{008000}
10680     \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}

```



```

10681 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10682 \if@coloured
10683 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10684 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10685 \sectiontitlecolour{FF0000}
10686 \subsectioncolour{FF0000}
10687 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10688 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10689 \if@colourgrey
10690 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10691 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10692 \sectiontitlecolour{808080}
10693 \subsectioncolour{808080}
10694 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10695 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10696 \renewcommand*\ttdefault{pcr}
10697 \renewcommand*\firstnamefont{\fontsize{38}{40}\mdseries\upshape}
10698 \renewcommand*\familynamefont{\firstnamefont}
10699 \renewcommand*\addressfont{\normalsize\mdseries\slshape}
10700 \renewcommand*\quotefont{\large\slshape}
10701 \renewcommand*\sectionfont{\Large\mdseries\upshape}
10702 \renewcommand*\subsectionfont{\large\mdseries\upshape}
10703 \renewcommand*\maketitle{%
10704   {%
10705     \ifthenelse{\isundefined{\@photo}}%
10706       {%
10707         {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
10708         \hfill%
10709         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]
10710         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10711         \ifthenelse{\isundefined{\@quote}}%
10712           {%
10713             {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
10714           }%
10715 \newif\if@firstfooterelement\@firstfooterelementtrue
10716 \providecommand*\footersymbol{%
10717 \renewcommand*\footersymbol}%
10718 \if@firstfooterelement%
10719 \else%
10720   { ~-\color{footersymbolcolor}\textbullet~~}\fi}
10721 \providecommand*\makefooter{%
10722 \renewcommand*\makefooter}%
10723 \fancypagestyle{plain}{%
10724   \fancyfoot[c]{%
10725     \parbox{0.8\textwidth}{%
10726       \centering%
10727       \addressfont\@addresscolour%
10728       \ifthenelse{\isundefined{\@address}}{}%
10729       \addresssymbol~\@address\%
10730       \@firstfooterelementfalse}%
10731     \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}
10732     \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}
10733     \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
10734     \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}

```




```

10735     \ifthenelse{\isundefined{\@extrainfo}}{-}{\footersymbol\@extrainfo\@firstfooterelement
10736   }%
10737   \pagestyle{plain}}
10738 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10739 \NeedsTeXFormat{LaTeX2e}
10740 \ProvidesPackage{cvthemebidiclassic}
10741 \DeclareOption{blue}{}
10742 \newif\if@colourorange\@colourorangefalse
10743 \DeclareOption{orange}{\@colourorange>true}
10744 \newif\if@colourgreen\@colourgreenfalse
10745 \DeclareOption{green}{\@colourgreen>true}
10746 \newif\if@coloured\@colouredfalse
10747 \DeclareOption{red}{\@coloured>true}
10748 \newif\if@colourgrey\@colourgreyfalse
10749 \DeclareOption{grey}{\@colourgrey>true}
10750 \DeclareOption*{
10751   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10752 \ExecuteOptions{colour}
10753 \ProcessOptions\relax
10754 \renewcommand*\listitemsymbol{\textbullet}
10755 \firstnamecolour{}
10756 \familynamecolour{}
10757 \titlecolour{808080}
10758 \quotecolour{696969}
10759 \addresscolour{696969}
10760 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10761 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10762 \sectiontitlecolour{1E90FF}
10763 \subsectioncolour{4682B4}
10764 \if@colourorange
10765   \addresscolour{FF8C00}
10766   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10767   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10768   \sectiontitlecolour{FF8C00}
10769   \subsectioncolour{FF8C00}\fi
10770 \if@colourgreen
10771   \addresscolour{008000}
10772   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10773   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10774   \sectiontitlecolour{008000}
10775   \subsectioncolour{008000}\fi
10776 \if@coloured
10777   \addresscolour{FF0000}
10778   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10779   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10780   \sectiontitlecolour{FF0000}
10781   \subsectioncolour{FF0000}\fi
10782 \if@colourgrey
10783   \addresscolour{808080}
10784   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10785   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}

```



```

10786 \sectiontitlecolour{808080}
10787 \subsectioncolour{808080}\fi
10788 \renewcommand*{\ttdefault}{pcr}
10789 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10790 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10791 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10792 \renewcommand*{\familynamefont}{\firstnamefont}
10793 \renewcommand*{\quotefont}{\large\slshape}
10794 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10795 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10796 \newlength{\maketitlenamemaxwidth}
10797 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10798 \newlength{\maketitlenamefullwidth}
10799 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname-}\familynamestyle{\@familyname-}}
10800 \newlength{\maketitlenamewidth}
10801 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
10802 \newlength{\maketitlepicturewidth}
10803 \setlength{\maketitlepicturewidth}{\@photowidth}
10804 \newlength{\maketitledetailwidth}
10805 \renewcommand*{\recomputethemelengths}{%
10806 \setlength{\maketitledetailwidth}{\textwidth}%
10807 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
10808 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10809 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10810 \recomputethemelengths
10811 \newif\if@firstdetailselement\@firstdetailselementtrue
10812 \newcommand*{\maketitledetailsnewline}{
10813 \if@firstdetailselement%
10814 \@firstdetailselementfalse%
10815 \else%
10816 \[.2em]\fi}
10817 \renewcommand*{\maketitle}{%
10818 % name and title
10819 \begin{minipage}[b]{\maketitlenamewidth}%
10820 \firstnamestyle{\@firstname-}\familynamestyle{\@familyname}%
10821 \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
10822 \end{minipage}%
10823 % optional data
10824 \begin{minipage}[b]{\maketitledetailwidth}%
10825 \bidi@raggedleft\addressfont\@addresscolour%
10826 \ifthenelse{\isundefined{\@address}}{\}{}%
10827 \maketitledetailsnewline%
10828 \addresssymbol~\@address}%
10829 \ifthenelse{\isundefined{\@mobile}}{\}{}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10830 \ifthenelse{\isundefined{\@phone}}{\}{}{\maketitledetailsnewline\phonesymbol~\@phone}%
10831 \ifthenelse{\isundefined{\@fax}}{\}{}{\maketitledetailsnewline\faxsymbol~\@fax}%
10832 \ifthenelse{\isundefined{\@email}}{\}{}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
10833 \ifthenelse{\isundefined{\@extrainfo}}{\}{}{\maketitledetailsnewline\@extrainfo}%
10834 \end{minipage}%
10835 % optional photo
10836 \ifthenelse{\isundefined{\@photo}}{\}{}%
10837 {}%
10838 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\@photo]{\@photo}}}%
10839 % optional quote

```



```

10840 \ifthenelse{\isundefined{\@quote}}%
10841     {}%
10842     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
10843 }

```

78 File dblfnote-xetex-bidi.def

```

10844 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10845 \let\autofootnoterule\relax
10846 \let\rightfootnoterule\relax
10847 \let\leftfootnoterule\relax
10848 \let\textwidthfootnoterule\relax
10849 \let\LRfootnoterule\relax
10850 \def\footnoterule{\kern-3\p@
10851   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10852 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10853 \let\@footnotetext\dfn@footnotetext}
10854 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
10855   \let\insert\dfn@gobble
10856   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10857   \def\@makefnmark{\smash{\dfn@makefnmark}}
10858   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10859   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10860   \ifdim\dfn@dima>\z@else
10861     \dfn@dima1sp\relax
10862     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10863   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10864     \ifvoid\dfn@ins\else
10865       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10866     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10867   \setbox\dfn@boxa\copy\dfn@ins
10868   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10869   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10870   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10871   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10872   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10873 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@LTRfootnotetext
10874 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10875 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10876   \let\insert\dfn@gobble
10877   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10878   \def\@makefnmark{\smash{\dfn@makefnmark}}
10879   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10880   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10881   \ifdim\dfn@dima>\z@else
10882     \dfn@dima1sp\relax
10883     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10884   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10885     \ifvoid\dfn@ins\else
10886       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10887     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10888   \setbox\dfn@boxa\copy\dfn@ins
10889   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10890   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima

```



```

10891     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10892     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10893     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10894 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10895 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10896 \def\dfn@RTLmakecol{\ifvoid\footins\else
10897     \dfn@dima\ht\footins
10898     \@tempcnta\z@ \dfn@countins
10899     \@tempdima\z@ \let\@elt\dfn@elt@getht
10900     \dfn@list\@nil
10901     \ifdim\@tempdima=\z@\else
10902     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10903     \global\setbox\dfn@ins\box\dfn@ins
10904     \@tempswatruue
10905     \ifdfn@trysingle
10906         \setbox\dfn@boxb\vbox{\unvcopy\@cc1v}\@tempdima\@colroom
10907         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10908         \advance\@tempdima-\skip\footins
10909         \advance\@tempdima-\ht\dfn@boxa
10910         \ifdim\@tempdima<\z@\else \@tempswafalse
10911             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10912                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10913     \if@tempswa
10914     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10915     \global\setbox\footins\vbox{\hbox{%
10916         \hskip \DFNcolumnwidth
10917         \hskip\DFNcolumnsep
10918         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10919             \unvbox\dfn@boxb\vss}\hss}
10920         \hskip -\textwidth
10921         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10922             \vbox to\@tempdima{
10923                 \setbox\@tempboxa\vbox{\footnoterule}
10924                 \ifdfn@ruleboth \unvbox\@tempboxa
10925                 \else \@tempdima\ht\@tempboxa
10926                     \advance\@tempdima\dp\@tempboxa
10927                     \vskip\@tempdima
10928                     \prevdepth\dp\@tempboxa \fi
10929                 \unvbox\dfn@boxa\vss}\fi\hss}
10930                 \hskip \DFNcolumnsep
10931                 \hskip \DFNcolumnwidth}}}\fi\fi
10932     \global\dfn@fnht\z@
10933     \ifx\dfn@list\@empty\else
10934         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dima\z@
10935         \dfn@list \global\advance\dfn@fnht\dfn@dima
10936         \let\@elt\relax
10937         \ifdim\dfn@dima>\z@
10938             \xdef\dfn@list{\@elt{0}{\number\dfn@dima}\dfn@list}%
10939             \insert\footins{\floatingpenalty\@MM
10940                 \vbox to\dfn@dima{}}\fi
10941         \ifdim\dfn@fnht>\@tempdima
10942             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10943             \global\dfn@fnht\@tempdima
10944             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%

```



```

10945             \xdef\dfn@afteroutput{\insert\footins{
10946                 \floatingpenalty\@MM
10947                 \vbox to\number\@tempdimb sp{}}}%
10948             \global\let\noexpand\dfn@afteroutput\relax}%
10949         \fi\fi
10950     \fi}%
10951     \let\footnoterule\relax \dfn@latex@makecol
10952     \let\footnoterule\dfn@footnoterule}
10953 \def\dfn@LTRmakecol{{\ifvoid\footins\else
10954     \dfn@dima\ht\footins
10955     \@tempcmta\z@ \dfn@countins
10956     \@tempdima\z@ \let\@elt\dfn@elt@getht
10957     \dfn@list\@nil
10958     \ifdim\@tempdima=\z@\else
10959     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10960     \global\setbox\dfn@ins\box\dfn@ins
10961     \@tempwattrue
10962     \ifdfn@trysingle
10963         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10964         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10965         \advance\@tempdima-\skip\footins
10966         \advance\@tempdima-\ht\dfn@boxa
10967         \ifdim\@tempdima<\z@\else \@tempwafalse
10968             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10969                 \footnoterule \unvbox\dfn@boxa}\fi\fi
10970     \iftempswa
10971     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10972     \global\setbox\footins\vbox{\hbox{%
10973         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10974             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10975         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10976             \vbox to\@tempdima{
10977                 \setbox\@tempboxa\vbox{\footnoterule}
10978                 \ifdfn@ruleboth \unvbox\@tempboxa
10979                 \else \@tempdima\ht\@tempboxa
10980                     \advance\@tempdima\dp\@tempboxa
10981                     \vskip\@tempdima
10982                     \prevdepth\dp\@tempboxa \fi
10983                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10984     \global\dfn@fnht\z@
10985     \ifx\dfn@list\@empty\else
10986         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10987         \dfn@list \global\advance\dfn@fnht\dfn@dimb
10988         \let\@elt\relax
10989         \ifdim\dfn@dimb>\z@
10990             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10991             \insert\footins{\floatingpenalty\@MM
10992                 \vbox to\dfn@dimb{}}\fi
10993         \ifdim\dfn@fnht>\@tempdima
10994             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10995             \global\dfn@fnht\@tempdima
10996             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10997             \xdef\dfn@afteroutput{\insert\footins{
10998                 \floatingpenalty\@MM

```



```

10999             \vbox to\number\@tempdimb sp{}}%
11000             \global\let\noexpand\dfn@afteroutput\relax}%
11001             \fi\fi
11002             \fi}%
11003             \let\footnoterule\relax \dfn@latex@makecol
11004             \let\footnoterule\dfn@footnoterule}
11005 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
11006 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
11007 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
11008 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

11009 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package
11010 \bidi@patchcmd{\diagbox@double}{%
11011     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11012 }{\bidi@@diagbox@double@ii}{-}{-}
11013 \bidi@patchcmd{\diagbox@double}{%
11014     \begin{tabular}{@{}}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
11015 }{\bidi@@diagbox@double@iii}{-}{-}
11016 \newcommand*{\bidi@@diagbox@double@ii}{%
11017     \if@RTL
11018     \begin{tabular}{@{}}>\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
11019     \else
11020     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11021     \fi
11022 }
11023 \newcommand*{\bidi@@diagbox@double@iii}{%
11024     \if@RTL
11025     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
11026     \else
11027     \begin{tabular}{@{}}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
11028     \fi
11029 }
11030 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11031     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11032 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
11033 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11034     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11035 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
11036 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11037     \begin{tabular}{@{}}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
11038 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
11039 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
11040     \if@RTL
11041     \begin{tabular}{@{}}>\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
11042     \else
11043     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
11044     \fi}
11045 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
11046     \if@RTL
11047     \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
11048     \else
11049     \begin{tabular}{@{}}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}

```



```

11050 \fi}
11051 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
11052 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11053 \begin{tabular}{@{\hspace{\diagbox@insepl}}l{}}%
11054 }{\bidi@diagbox@triple@setbox@SE@tabular@i}{-}{-}
11055 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11056 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11057 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11058 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11059 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11060 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11061 \newcommand*\bidi@diagbox@triple@setbox@SE@tabular@i}{%
11062 \ifRTL
11063 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
11064 \else
11065 \begin{tabular}{@{\hspace{\diagbox@insepl}}l{}}
11066 \fi
11067 }
11068 \newcommand*\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11069 \ifRTL
11070 \begin{tabular}{@{\hspace{\diagbox@insepr}}l{}}
11071 \else
11072 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
11073 \fi
11074 }
11075 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11076 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11077 \diagbox@setlinecolor
11078 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11079 }{%
11080 {\diagbox@setlinecolor
11081 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
11082 }{-}{-}
11083 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11084 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11085 \diagbox@setlinecolor
11086 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
11087 }{%
11088 {\diagbox@setlinecolor
11089 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11090 }{-}{-}
11091 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11092 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11093 \diagbox@setlinecolor
11094 \Line(0,\yym)(\x,0)
11095 \Line(\xm,\y)(\x,0)%
11096 }{%
11097 {\diagbox@setlinecolor
11098 \Line(0,\yym)(\x,0)
11099 \Line(\xm,\y)(\x,0)}%
11100 }{-}{-}
11101 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11102 \diagbox@setlinecolor
11103 \Line(0,0)(\xxm,\y)

```



```

11104 \Line(0,0)(\x,\yym)%
11105 }{%
11106 {\diagbox@setlinecolor
11107 \Line(0,0)(\xxm,\y)
11108 \Line(0,0)(\x,\yym)}%
11109 }{}{}
11110 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11111 \diagbox@setlinecolor
11112 \Line(0,\ym)(\x,\y)
11113 \Line(\xm,0)(\x,\y)%
11114 }{%
11115 {\diagbox@setlinecolor
11116 \Line(0,\ym)(\x,\y)
11117 \Line(\xm,0)(\x,\y)}%
11118 }{}{}
11119 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11120 \diagbox@setlinecolor
11121 \Line(0,\y)(\xxm,0)
11122 \Line(0,\y)(\x,\ym)%
11123 }{%
11124 {\diagbox@setlinecolor
11125 \Line(0,\y)(\xxm,0)
11126 \Line(0,\y)(\x,\ym)}%
11127 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11128 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
11129 \renewcommand\SetWatermarkText[1]{%
11130 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11131 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package]
11132 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11133 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11134
11135 \ESO@isMEMOIR{%
11136 \renewcommand\AtTextUpperLeft[1]{%
11137 \begingroup
11138 \ifodd\c@page
11139 \if@RTLmain
11140 \ESO@tempdima=\paperwidth
11141 \advance\ESO@tempdima-\textwidth
11142 \advance\ESO@tempdima-\spinemargin
11143 \else
11144 \ESO@tempdima=\spinemargin
11145 \fi
11146 \else
11147 \if@RTLmain
11148 \ESO@tempdima=\spinemargin
11149 \else
11150 \ESO@tempdima=\paperwidth
11151 \advance\ESO@tempdima-\textwidth

```




```

11152         \advance\ESO@tempdima-\spinemargin
11153         \fi
11154     \fi
11155     \ESO@tempdimb=-\uppermargin
11156     \AtPageUpperLeft{%
11157         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11158     }%
11159 \endgroup
11160 }
11161 }-%
11162 \renewcommand\AtTextUpperLeft[1]{%
11163     \begingroup
11164     \ESO@tempdima=1in\relax
11165     \if@twoside
11166         \ifodd\c@page
11167             \if@RTLmain
11168                 \advance\ESO@tempdima\evensidemargin
11169             \else
11170                 \advance\ESO@tempdima\oddsidemargin
11171             \fi
11172         \else
11173             \if@RTLmain
11174                 \advance\ESO@tempdima\oddsidemargin
11175             \else
11176                 \advance\ESO@tempdima\evensidemargin
11177             \fi
11178         \fi
11179     \else
11180         \advance\ESO@tempdima\oddsidemargin
11181     \fi
11182     \ESO@tempdimb=-1in\relax
11183     \advance\ESO@tempdimb-\topmargin
11184     \advance\ESO@tempdimb-\headheight
11185     \advance\ESO@tempdimb-\headsep
11186     \AtPageUpperLeft{%
11187         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11188     }%
11189 \endgroup
11190 }
11191 }

```

82 File empheq-xetex-bidi.def

```

11192 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package fo
11193 \MHInternalSyntaxOn
11194 \def\EQ_tag_plus_endmark:{%
11195     \iftagsleft@
11196         \gdef\maketag@@@##1{%
11197             \hfuzz\displaywidth
11198             \if@RTL\makebox[\widthof{##1}][r]{%
11199                 \hbox to \displaywidth{\m@th\normalfont##1\hss
11200                     \raisebox{-\dp\EQ_mathdisplay_box
11201                         -\depthof{\EQ_outerbox:}}{
11202                         {\PotEndMark{\hss}}}}

```



```

11203     \else\makebox[\widthof{##1}][l]{%
11204       \hbox to \displaywidth{\m@th\normalfont##1\hss
11205         \raisebox{-\dp\EQ_mathdisplay_box
11206           -\depthof{\EQ_outerbox:}}{
11207           {\PotEndMark{\hss}}}\fi}%
11208 \MH_else:
11209 \gdef\maketag@@@##1{%
11210   \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11211     \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
11212     \MH_addtolength:dn \@tempdima
11213       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11214     \setlength{\@tempdimb}
11215       {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11216       +\depthof{\EQ_innerbox:}}
11217     \MH_if_dim:w \@tempdima>\@tempdimb
11218     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11219       -\@tempdima+\g_EQ_bottomrow_depth_dim}
11220     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11221     \def\EQ_next:{\raisebox{\@tempdima}}%
11222   \MH_else:
11223     \def\EQ_next:{
11224       \raisebox{-\dp\EQ_mathdisplay_box
11225         -\depthof{\EQ_outerbox:}}}%
11226   \MH_fi:\EQ_next:}}}%
11227 \MH_fi:}
11228 \def\EQ_post_process:{%
11229   \EQ_initialize:
11230   \EQ_begin_equation:
11231   \MH_if_boolean:nT {outer_mult}{
11232     \setkeys{\MT_options_name:}{
11233       firstline-afterskip=Opt,
11234       lastline-preskip=Opt,
11235       multlined-width=Opt,
11236     }
11237   \ifodd \l_EQ_alignmentmode_int
11238     \setkeys{\MT_options_name:}{multlined-pos=b}
11239   \MH_else:
11240     \setkeys{\MT_options_name:}{multlined-pos=t}
11241   \MH_fi:
11242   \g@addto@macro\EQ_complete_mathdisplay:{
11243     \begin{MTmultlined}\relax}
11244   }
11245   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11246   \MH_if_boolean:nT {outer_mult}{
11247     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}}
11248   }
11249   \EQ_end_equation:
11250   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11251   \savecounters@
11252   \EQ_typeset_tags:
11253   \edef\l_EQ_equation_fint{\number\c@equation}
11254   \restorecounters@
11255   \Hy@linkcounter=\EQ_hyperref_link_fint
11256   \settowidth\l_EQ_totalwidth_dim{%

```



```

11257   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
11258   \MH_if_boolean:nTF {outer_mult}
11259     { \def\EQ_next:{_mult} }
11260     { \def\EQ_next:{} }
11261   \@nameuse{EQ_modify_linewidth_
11262     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11263   \EQ_typeset_display:
11264   \@nameuse{EQ_find_displaywidth_
11265     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11266   \MH_addtolength:dn
11267     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11268   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11269     $\EQ_left_side:
11270     \EQ_innerbox:{%
11271       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11272         \makebox[\l_EQ_displaywidth_dim][c]
11273         {\usebox{\EQ_mathdisplay_box}}}%
11274       \MH_or:
11275         \makebox[\l_EQ_displaywidth_dim][c]
11276         {\usebox{\EQ_mathdisplay_box}}}%
11277       \MH_or:
11278         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11279           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11280             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11281               \kern-\@mathmargin
11282             \MH_fi:
11283           \MH_fi:
11284             \usebox{\EQ_mathdisplay_box}}}%
11285         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11286           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11287             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11288               \kern-\@mathmargin
11289             \MH_fi:
11290           \MH_fi:
11291             \usebox{\EQ_mathdisplay_box}}\fi%
11292       \MH_or:
11293         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11294           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11295             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11296               \kern-\@mathmargin
11297             \MH_fi:
11298           \MH_fi:
11299             \usebox{\EQ_mathdisplay_box}}
11300         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11301           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11302             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11303               \kern-\@mathmargin
11304             \MH_fi:
11305           \MH_fi:
11306             \usebox{\EQ_mathdisplay_box}}\fi%
11307       \MH_fi:}%
11308     \EQ_right_side:$}%
11309   \begin{AmSequation*}
11310   \@nameuse{EQ_place_display_

```



```

11311         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11312 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11313 \MH_set_boolean_T:n {show_manual_tags}
11314 \MH_if_case:w \l_EQ_alignmentmode_int
11315 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
11316 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
11317 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
11318 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
11319 \MH_fi:
11320 \MH_fi:
11321 \end{AmSequation*}
11322 \global\c@equation=\l_EQ_equation_fint\relax
11323 }
11324 \AtBeginDocument{%
11325 \ifpackageloaded{fancybox}{%
11326 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11327 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11328 \renewcommand*\shadowbox{%
11329 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
11330 \VerbBox\EQ_shadowbox:n}
11331 {\MH_set_boolean_F:n {shadowbox_star}
11332 \VerbBox\EQ_shadowbox:n}}
11333 \def\EQ_shadowbox:n #1{%
11334 \sbox{\z@}{\fbox{#1}}%
11335 \MH_if_boolean:nTF {shadowbox_star}{
11336 \MH_setlength:dn \@tempdima{\z@}%
11337 }{
11338 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11339 }
11340 \raisebox{\@tempdima}{%
11341 \if@RTL\makebox[\z@][r]{%
11342 \kern\shadowsize \textcolor{shadowcolor}{%
11343 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11344 }%
11345 \else\makebox[\z@][l]{%
11346 \kern\shadowsize \textcolor{shadowcolor}{%
11347 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11348 }%
11349 \usebox\z@\textcolor{shadowcolor}{%
11350 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11351 }-}%
11352 }
11353 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11354 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cl
11355 \renewcommand*\l@section[2]{%
11356 \ifnum \c@tocdepth >\z@
11357 \addpenalty\@secpenalty
11358 \addvspace{1.0em \@plus\p@}%
11359 \setlength\@tempdima{1.5em}%
11360 \begingroup
11361 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

11362     \parfillskip -\@pnumwidth
11363     \leavevmode \bfseries
11364     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
11365     \hskip -\if@RTL\righskip\else\leftskip\fi
11366     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11367 \endgroup
11368 \fi}
11369 \renewcommand*\l@part[2]{%
11370 \ifnum \c@tocdepth >-2\relax
11371   \addpenalty\@secpenalty
11372   \addvspace{2.25em \@plus\p@}%
11373   \begingroup
11374     \setlength\@tempdima{3em}%
11375     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
11376     \parfillskip -\@pnumwidth
11377     {\leavevmode
11378       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11379     \nobreak
11380   \endgroup
11381 \fi}
11382 \def\@part[#1]#2{%
11383   \ifnum \c@secnumdepth >\m@ne
11384     \refstepcounter{part}%
11385     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11386   \else
11387     \addcontentsline{toc}{part}{#1}%
11388   \fi
11389   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11390   \interlinepenalty \@M
11391   \normalfont
11392   \ifnum \c@secnumdepth >\m@ne
11393     \Large\bfseries \partname~\thepart
11394     \par\nobreak
11395   \fi
11396   \huge \bfseries #2%
11397   \markboth{}{\par}%
11398   \nobreak
11399   \vskip 3ex
11400   \@afterheading}
11401 \def\@spart#1{%
11402   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11403   \interlinepenalty \@M
11404   \normalfont
11405   \huge \bfseries #1\par}%
11406   \nobreak
11407   \vskip 3ex
11408   \@afterheading}
11409 \renewenvironment{thebibliography}[1]
11410   {\section*{\refname
11411     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11412     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11413     \bidi@thebibliography@font@hook%
11414     \list{\@biblabel{\@arabic\c@enumiv}}%
11415     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

11416         \leftmargin\labelwidth
11417         \advance\leftmargin\labelsep
11418         \@openbib@code
11419         \usecounter{enumiv}%
11420         \let\p@enumiv\@empty
11421         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11422     \sloppy\clubpenalty4000\widowpenalty4000%
11423     \sfcode`. \. \@m}
11424     {\def\@noitemerr
11425       {\@latex@warning{Empty `thebibliography' environment}}%
11426     \endlist}
11427 \renewcommand\left@footnoterule{%
11428   \kern-3\p@
11429   \hrule\@width.4\columnwidth
11430   \kern2.6\p@}
11431 \renewcommand\right@footnoterule{%
11432   \kern-3\p@
11433   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11434   \kern2.6\p@}
11435   \if@titlepage
11436   \renewcommand\maketitle{\begin{titlepage}%
11437     \let\footnotesize\small
11438     \let\right@footnoterule\relax
11439     \let\left@footnoterule\relax
11440     \let\textwidth@footnoterule\relax
11441     \let \footnote \thanks
11442     \null\vfil
11443     \vskip 60\p@
11444     \begin{center}%
11445       {\LARGE \@title \par}%
11446       \vskip 3em%
11447       {\large
11448         \lineskip .75em%
11449         \begin{tabular}[t]{c}%
11450           \@author
11451         \end{tabular}\par}%
11452       \vskip 1.5em%
11453       {\large \@date \par}%           % Set date in \large size.
11454     \end{center}\par
11455     \@thanks
11456     \vfil\null
11457     \end{titlepage}%
11458     \setcounter{footnote}{0}%
11459     \global\let\thanks\relax
11460     \global\let\maketitle\relax
11461     \global\let\@thanks\@empty
11462     \global\let\@author\@empty
11463     \global\let\@date\@empty
11464     \global\let\@title\@empty
11465     \global\let\title\relax
11466     \global\let\author\relax
11467     \global\let\date\relax
11468     \global\let\and\relax
11469   }

```



```

11470 \else
11471 \renewcommand\maketitle{\par
11472   \begingroup
11473     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11474     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11475     \long\def\@makefntext##1{\parindent 1em\noindent
11476       \hb@xt@1.8em{%
11477         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11478     \if@twocolumn
11479       \ifnum \col@number=\@ne
11480         \@maketitle
11481       \else
11482         \twocolumn[\@maketitle]%
11483       \fi
11484     \else
11485       \newpage
11486       \global\@topnum\z@   % Prevents figures from going at top of page.
11487       \@maketitle
11488     \fi
11489     \thispagestyle{plain}\@thanks
11490   \endgroup
11491   \setcounter{footnote}{0}%
11492   \global\let\thanks\relax
11493   \global\let\maketitle\relax
11494   \global\let\@maketitle\relax
11495   \global\let\@thanks\@empty
11496   \global\let\@author\@empty
11497   \global\let\@date\@empty
11498   \global\let\@title\@empty
11499   \global\let\title\relax
11500   \global\let\author\relax
11501   \global\let\date\relax
11502   \global\let\and\relax
11503 }
11504 \def\@maketitle{%
11505   \newpage
11506   \null
11507   \vskip 2em%
11508   \begin{center}%
11509     \let \footnote \thanks
11510     {\LARGE \@title \par}%
11511     \vskip 1.5em%
11512     {\large
11513       \lineskip .5em%
11514       \begin{tabular}[t]{c}%
11515         \@author
11516       \end{tabular}\par}%
11517     \vskip 1em%
11518     {\large \@date}%
11519   \end{center}%
11520   \par
11521   \vskip 1.5em}
11522 \fi
11523 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

11524 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11525 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11526 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11527 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class fo
11528 \if@titlepage
11529 \renewcommand\maketitle{\begin{titlepage}%
11530 \let\footnotesize\small
11531 \let\right@footnoterule\relax
11532 \let\left@footnoterule\relax
11533 \let\textwidth@footnoterule\relax
11534 \let \footnote \thanks
11535 \let \LTRfootnote \LTRthanks
11536 \let \RTLfootnote \RTLthanks
11537 \null\vfil
11538 \vskip 60\p@
11539 \begin{center}%
11540 {\LARGE \@title \par}%
11541 \vskip 3em%
11542 {\large
11543 \lineskip .75em%
11544 \begin{tabular}[t]{c}%
11545 \@author
11546 \end{tabular}\par}%
11547 \vskip 1.5em%
11548 {\large \@date \par}% % Set date in \large size.
11549 \end{center}\par
11550 \@thanks
11551 \vfil\null
11552 \end{titlepage}%
11553 \setcounter{footnote}{0}%
11554 \global\let\thanks\relax
11555 \global\let\LTRthanks\relax
11556 \global\let\RTLthanks\relax
11557 \global\let\maketitle\relax
11558 \global\let\@thanks\@empty
11559 \global\let\@author\@empty
11560 \global\let\@date\@empty
11561 \global\let\@title\@empty
11562 \global\let\title\relax
11563 \global\let\author\relax
11564 \global\let\date\relax
11565 \global\let\and\relax
11566 }
11567 \else
11568 \renewcommand\maketitle{\par
11569 \begingroup
11570 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11571 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11572 \long\def\@makefntext##1{\parindent 1em\noindent
11573 \hb@xt@1.8em{%
11574 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```




```

11575 \if@twocolumn
11576 \ifnum \col@number=\@one
11577 \maketitle
11578 \else
11579 \twocolumn[\maketitle]%
11580 \fi
11581 \else
11582 \newpage
11583 \global\@topnum\z@ % Prevents figures from going at top of page.
11584 \maketitle
11585 \fi
11586 \thispagestyle{plain}\@thanks
11587 \endgroup
11588 \setcounter{footnote}{0}%
11589 \global\let\thanks\relax
11590 \global\let\LTRthanks\relax
11591 \global\let\RTLthanks\relax
11592 \global\let\maketitle\relax
11593 \global\let\@maketitle\relax
11594 \global\let\@thanks\@empty
11595 \global\let\@author\@empty
11596 \global\let\@date\@empty
11597 \global\let\@title\@empty
11598 \global\let\title\relax
11599 \global\let\author\relax
11600 \global\let\date\relax
11601 \global\let\and\relax
11602 }
11603 \def\@maketitle{%
11604 \newpage
11605 \null
11606 \vskip 2em%
11607 \begin{center}%
11608 \let \footnote \thanks
11609 \let \LTRfootnote \LTRthanks
11610 \let \RTLfootnote \RTLthanks
11611 {\LARGE \@title \par}%
11612 \vskip 1.5em%
11613 {\large
11614 \lineskip .5em%
11615 \begin{tabular}[t]{c}%
11616 \author
11617 \end{tabular}\par}%
11618 \vskip 1em%
11619 {\large \@date}%
11620 \end{center}%
11621 \par
11622 \vskip 1.5em}
11623 \fi
11624 \renewcommand*{\l@part[2]}{%
11625 \ifnum \c@tocdepth >-2\relax
11626 \addpenalty{-\@highpenalty}%
11627 \addvspace{2.25em \@plus\p@}%
11628 \begingroup

```



```

11629     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11630     \parfillskip -\@pnumwidth
11631     {\leavevmode
11632       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11633     \nobreak
11634     \global\@nobreaktrue
11635     \everypar{\global\@nobreakfalse\everypar{}}%
11636   \endgroup
11637 \fi}
11638 \renewcommand\theequation
11639   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11640 \renewcommand \thefigure
11641   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11642 \renewcommand \thetable
11643   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11644 \renewcommand \thechapter {\@arabic\c@chapter}
11645 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11646 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11647 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11648 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11649 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11650 \def\@makechapterhead#1{%
11651   \vspace*{50\p@}%
11652   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11653     \ifnum \c@secnumdepth >\m@ne
11654       \if@mainmatter
11655         \huge\bfseries \@chapapp\space \thechapter
11656         \par\nobreak
11657         \vskip 20\p@
11658       \fi
11659     \fi
11660     \interlinepenalty\@M
11661     \Huge \bfseries #1\par\nobreak
11662     \vskip 40\p@
11663   }}
11664
11665 \def\@makeschapterhead#1{%
11666   \vspace*{50\p@}%
11667   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11668     \normalfont
11669     \interlinepenalty\@M
11670     \Huge \bfseries #1\par\nobreak
11671     \vskip 40\p@
11672   }}
11673 \renewcommand\backmatter{%
11674   \if@openright
11675     \cleardoublepage
11676   \else
11677     \clearpage
11678   \fi
11679   \@mainmatterfalse}
11680 \renewenvironment{thebibliography}[1]
11681   {\chapter*{\bibname
11682     \mkboth{MakeUppercase\bibname}{MakeUppercase\bibname}}%

```



```

11683 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
11684 \bidi@thebibliography@font@hook%
11685 \list{\@biblabel{\@arabic\c@enumiv}}%
11686     {\settowidth\labelwidth{\@biblabel{#1}}%
11687      \leftmargin\labelwidth
11688      \advance\leftmargin\labelsep
11689      \@openbib@code
11690      \usecounter{enumiv}%
11691      \let\p@enumiv\@empty
11692      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11693 \sloppy
11694 \clubpenalty4000
11695 \@clubpenalty \clubpenalty
11696 \widowpenalty4000%
11697 \sfcode`..\@m}
11698 {\def\@noitemerr
11699   {\@latex@warning{Empty `thebibliography' environment}}%
11700 \endlist}

```

85 File extletter-xetex-bidi.def

```

11701 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter clas
11702 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
11703   \thispagestyle{firstpage}%
11704   {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
11705   \else % home address
11706     \thispagestyle{empty}%
11707     {\ifRTL\raggedright\begin{tabular}{r{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
11708      \fromaddress \*[2\parskip]%
11709      \@date \end{tabular}\par}%
11710   \fi
11711   \vspace{2\parskip}%
11712   {\ifRTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11713   \vspace{2\parskip}%
11714   #1\par\nobreak}
11715 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11716   \stopbreaks
11717   \noindent
11718   \ifx\@empty\fromaddress\else
11719     \hspace*\{longindentation}\fi
11720   \parbox{\indentedwidth}{\ifRTL\raggedleft\else\raggedright\fi
11721     \ignorespaces #1\}[6\medskipamount]%
11722     \ifx\@empty\fromsig
11723       \fromname
11724       \else \fromsig \fi\strut}%
11725   \par}
11726 \renewcommand\left@footnoterule{%
11727   \kern-\p@
11728   \hrule \@width .4\columnwidth
11729   \kern .6\p@}
11730 \renewcommand\right@footnoterule{%
11731   \kern-\p@
11732   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11733   \kern .6\p@}

```



86 File extrafootnotefeatures-xetex-bidi.def

```
11734 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote fea
11735 \newdimen\bidi@columnwidth
11736 \def\bidi@floathook{%
11737   \bidi@columnwidth\columnwidth
11738 }
11739 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11740 \if@bidi@csundef{ifHy@hyperfootnotes}{}}{%
11741 \if@bidi@csundef{HLTR@LTRfootnotetext}}}{%
11742 \ifHy@hyperfootnotes
11743   \let\@H@@footnotetext\@footnotetext
11744   \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
11745   \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
11746   \let\@H@mpfootnotetext\@mpfootnotetext
11747   \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11748   \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11749 \fi
11750 }%
11751 }%
11752 }
11753 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11754 \if@bidi@csundef{ifHy@hyperfootnotes}{}}{%
11755 \if@bidi@csundef{HLTR@LTRfootnotetext}}}{%
11756 \ifHy@hyperfootnotes
11757   \let\H@@footnotetext\@footnotetext
11758   \let\@footnotetext\@H@@footnotetext
11759   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11760   \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
11761   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11762   \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11763   \let\H@mpfootnotetext\@mpfootnotetext
11764   \let\@mpfootnotetext\@H@mpfootnotetext
11765   \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11766   \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
11767   \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11768   \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11769 \fi
11770 }%
11771 }%
11772 }
11773 \let\autofooterule\relax
11774 \let\rightfootnoterule\relax
11775 \let\leftfootnoterule\relax
11776 \let\textwidthfootnoterule\relax
11777 \let\LRfootnoterule\relax
11778 \def\footnoterule{\kern-3\p@
11779   \hrule \@width \columnwidth \kern 2.6\p@}
11780 \newcommand{\@preamnormalfmt}{%
11781   \parindent 1em%
11782   \noindent
11783 }
11784 \newcommand{\@normalfootfmt}[1]{%
11785   \@preamnormalfmt
```



```

11786 \footfootmark
11787 \rule{z@\footnotesep\ignorespaces{\foottextfont #1}%
11788 \@finalstrut\strutbox
11789 }
11790 \newcommand{\@normalRTLfootfmt}[1]{%
11791 \@preamnormalfmt
11792 \RTLfootfootmark
11793 \rule{z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11794 \@finalstrut\strutbox
11795 }
11796 \newcommand{\@normalLTRfootfmt}[1]{%
11797 \@preamnormalfmt
11798 \LTRfootfootmark
11799 \rule{z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11800 \@finalstrut\strutbox
11801 }
11802 \renewcommand{\@footnotetext}[1]{%
11803 \insert\footins{%
11804 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11805 \def\baselinestretch{\m@m@footnote@spacing}%
11806 \reset@font
11807 \foottextfont
11808 \@preamfntext
11809 \hsize\columnwidth
11810 \protected@edef\@currentlabel{%
11811 \csname p@footnote\endcsname\@thefnmark}%
11812 \color@begingroup
11813 \@normalfootfmt{#1}%
11814 \color@endgroup}%
11815 \m@mmf@prepare}
11816 \newcommand{\bidi@bidiold@footnotetext}[1]{%
11817 \bidi@step@absolute@footnote@count
11818 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11819 \insert\footins{%
11820 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11821 \def\baselinestretch{\m@m@footnote@spacing}%
11822 \reset@font
11823 \foottextfont
11824 \@preamfntext
11825 \hsize\columnwidth
11826 \protected@edef\@currentlabel{%
11827 \csname p@footnote\endcsname\@thefnmark}%
11828 \color@begingroup
11829 \@normalfootfmt{#1}%
11830 \color@endgroup}%
11831 \m@mmf@prepare
11832 }
11833 \renewcommand{\@RTLfootnotetext}[1]{%
11834 \insert\footins{%
11835 \@RTLtrue%
11836 \def\baselinestretch{\m@m@footnote@spacing}%
11837 \reset@font
11838 \RTLfoottextfont
11839 \@preamfntext

```



```

11840 \hsize\columnwidth
11841 \protected@edef\@currentlabel{%
11842   \csname p@footnote\endcsname\@thefnmark}%
11843 \color@begingroup
11844   \@normalRTLfootfmt{#1}%
11845 \color@endgroup}%
11846   \m@mmf@prepare}
11847 \newcommand{\bidi@bidiold@RTLfootnotetext}[1]{%
11848   \bidi@step@absolute@footnote@count
11849   \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
11850   \insert\footins{%
11851     \RTLtrue%
11852     \def\baselinestretch{\m@m@footnote@spacing}%
11853     \reset@font
11854     \RTLfoottextfont
11855     \@preamftext
11856     \hsize\columnwidth
11857     \protected@edef\@currentlabel{%
11858       \csname p@footnote\endcsname\@thefnmark}%
11859     \color@begingroup
11860       \@normalRTLfootfmt{#1}%
11861     \color@endgroup}%
11862     \m@mmf@prepare
11863   }
11864 \renewcommand{\@LTRfootnotetext}[1]{%
11865   \insert\footins{%
11866     \RTLfalse%
11867     \def\baselinestretch{\m@m@footnote@spacing}%
11868     \reset@font
11869     \LTRfoottextfont
11870     \@preamftext
11871     \hsize\columnwidth
11872     \protected@edef\@currentlabel{%
11873       \csname p@footnote\endcsname\@thefnmark}%
11874     \color@begingroup
11875       \@normalLTRfootfmt{#1}%
11876     \color@endgroup}%
11877     \m@mmf@prepare}
11878 \renewcommand{\@mpfootnotetext}[1]{%
11879   \global\setbox\@mpfootins\vbox{%
11880     \unvbox\@mpfootins
11881     \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
11882     \def\baselinestretch{\m@m@footnote@spacing}%
11883     \reset@font%
11884     \foottextfont \hsize\columnwidth \@parboxrestore
11885     \protected@edef\@currentlabel{%
11886       \csname p@mpfootnote\endcsname\@thefnmark}%
11887     \color@begingroup
11888       \@normalfootfmt{#1}%
11889     \color@endgroup}}
11890 \newcommand{\bidi@bidiold@mpfootnotetext}[1]{%
11891   \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
11892   \global\setbox\@mpfootins\vbox{%
11893     \unvbox\@mpfootins

```



```

11894 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11895 \def\baselinestretch{\m@m@footnote@spacing}%
11896 \reset@font%
11897 \foottextfont \hsize\columnwidth \@parboxrestore
11898 \protected@edef\@currentlabel{%
11899 \csname p@mpfootnote\endcsname\@thefnmark}%
11900 \color@begingroup
11901 \@normalfootfmt{#1}%
11902 \color@endgroup}}
11903 \renewcommand{\@mpLTRfootnotetext}[1]{%
11904 \global\setbox\@mpfootins\vbox{%
11905 \unvbox\@mpfootins
11906 \@RTLfalse
11907 \def\baselinestretch{\m@m@footnote@spacing}%
11908 \reset@font%
11909 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11910 \protected@edef\@currentlabel{%
11911 \csname p@mpfootnote\endcsname\@thefnmark}%
11912 \color@begingroup
11913 \@normalLTRfootfmt{#1}%
11914 \color@endgroup}}
11915 \renewcommand{\@mpRTLfootnotetext}[1]{%
11916 \global\setbox\@mpfootins\vbox{%
11917 \unvbox\@mpfootins
11918 \@RTLtrue
11919 \def\baselinestretch{\m@m@footnote@spacing}%
11920 \reset@font%
11921 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11922 \protected@edef\@currentlabel{%
11923 \csname p@mpfootnote\endcsname\@thefnmark}%
11924 \color@begingroup
11925 \@normalRTLfootfmt{#1}%
11926 \color@endgroup}}
11927 \newcommand{\bidi@bidiold@mpRTLfootnotetext}[1]{%
11928 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
11929 \global\setbox\@mpfootins\vbox{%
11930 \unvbox\@mpfootins
11931 \@RTLtrue
11932 \def\baselinestretch{\m@m@footnote@spacing}%
11933 \reset@font%
11934 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11935 \protected@edef\@currentlabel{%
11936 \csname p@mpfootnote\endcsname\@thefnmark}%
11937 \color@begingroup
11938 \@normalRTLfootfmt{#1}%
11939 \color@endgroup}}
11940 \let\m@mold@footnotetext\@footnotetext
11941 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11942 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11943 \let\m@mold@mpfootnotetext\@mpfootnotetext
11944 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11945 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11946 \bidi@ensure@newcommand{\normalfootnotes}{%
11947 \@bidi@before@Hy@hyperfootnotes

```



```

11948 \let\@footnotetext\m@old@footnotetext
11949 \let\@LTRfootnotetext\m@old@LTRfootnotetext
11950 \let\@RTLfootnotetext\m@old@RTLfootnotetext
11951 \let\@mpfootnotetext\m@old@mpfootnotetext
11952 \let\@mpLTRfootnotetext\m@old@mpLTRfootnotetext
11953 \let\@mpRTLfootnotetext\m@old@mpRTLfootnotetext
11954 \@bidi@after@Hy@hyperfootnotes
11955 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11956 }
11957 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
11958 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
11959 \def\m@m@singlespace{#1}%
11960 \def\m@m@footnote@spacing{#1}%
11961 \def\m@m@float@spacing{#1} %
11962 }
11963 \setSingleSpace{1}
11964 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
11965 \bidi@ensure@newcommand*{\m@m@m@prepare}{%
11966 \kern-\multiplefootnotemarker
11967 \kern\multiplefootnotemarker\relax}
11968 \bidi@ensure@newlength{\footmarkwidth}
11969 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11970 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11971 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11972 \bidi@ensure@newcommand{\footfootmark}{%
11973 \ifdim\footmarkwidth < \z@
11974 \llap{\hb@xt@ -\footmarkwidth{%
11975 \hss\normalfont\footscript{\@thefnmark}}%
11976 \hspace*{-\footmarkwidth}}%
11977 \else
11978 \ifdim\footmarkwidth = \z@
11979 {\normalfont\footscript{\@thefnmark}}%
11980 \else
11981 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11982 \fi
11983 \fi}
11984 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11985 \ifdim\footmarkwidth < \z@
11986 \llap{\hb@xt@ -\footmarkwidth{%
11987 \hss\normalfont\LTRfootscript{\@thefnmark}}%
11988 \hspace*{-\footmarkwidth}}%
11989 \else
11990 \ifdim\footmarkwidth = \z@
11991 {\normalfont\LTRfootscript{\@thefnmark}}%
11992 \else
11993 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11994 \fi
11995 \fi}
11996 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11997 \ifdim\footmarkwidth < \z@
11998 \llap{\hb@xt@ -\footmarkwidth{%
11999 \hss\normalfont\RTLfootscript{\@thefnmark}}%
12000 \hspace*{-\footmarkwidth}}%
12001 \else

```




```

12002 \ifdim\footmarkwidth = \z@
12003   {\normalfont\RTLfootscript{\@thefnmark}}%
12004 \else
12005   \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
12006 \fi
12007 \fi}
12008 \footmarkstyle{\textsuperscript{#1}}
12009 \LTRfootmarkstyle{\textsuperscript{#1}}
12010 \RTLfootmarkstyle{\textsuperscript{#1}}
12011 \newcommand*\bidi@normal@footmarkwidth}{%
12012   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
12013 }
12014 \newcommand*\bidi@star@footmarkwidth}{%
12015   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
12016 }
12017 \bidi@normal@footmarkwidth
12018 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
12019 \bidi@ensure@newcommand*\extrafeetins}{%
12020   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
12021   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12022   \bidi@joinfootnotes\@bidi@copyins@}{\unvbox\@bidi@copyins@}%
12023   \extrafeetinshook}
12024 \bidi@ensure@newcommand{\extrafeetinshook}{%
12025   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
12026   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
12027   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
12028   \bidi@ensure@newlength{\footinsdim}
12029   \setlength{\footinsdim}{8in} % standard for \dimen\footins
12030   \bidi@ensure@newcommand{\@preamfntext}{%
12031     \interlinepenalty\interfootnotelinepenalty
12032     \floatingpenalty \@MM
12033     \splittopskip=\footnotesep
12034     \splitmaxdepth=\dp\strutbox
12035     \@parboxrestore}
12036 \def\bidi@ifmulticol#1#2{\@tempswafalse
12037   \ifnum\col@number>\@ne
12038     \ifnum\count\footins>1999 \@tempswatruetrue \fi
12039   \fi
12040   \if@tempswa #1\else #2\fi
12041 }
12042 \def\bidi@joinfootnotes#1#2#3{%
12043   \ifvoid#1
12044   \else
12045     \@tempskipa\skip#1%
12046     \bidi@ifmulticol{\divide\@tempskipa\col@number}{%
12047       \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12048       \bidi@removexfootskip
12049       \ifvoid\footins
12050         \global\setbox\footins\vbox{#2#3}%
12051       \else
12052         \global\setbox\footins\vbox{%
12053           \unvbox\footins
12054           \bidi@footskip
12055           #2#3%

```



```

12056     }%
12057     \fi
12058     \fi
12059 }
12060 \def\bidi@reinsertfootnote#1#2#3{%
12061     \ifvoid#1%
12062     \else
12063     \insert\footins{#2#3}%
12064     \fi
12065 }
12066 \def\bidi@joinmpfootnotes#1#2#3{%
12067     \ifvoid#1
12068     \else
12069     \@tempkipa\skip#1%
12070     \bidi@ifmulticol{\divide\@tempkipa\col@number}{}%
12071     \edef\bidi@footskip{\vskip\the\@tempkipa\relax}%
12072     \bidi@removexfootskip
12073     \ifvoid\@mpfootins
12074     \global\setbox\@mpfootins\vbox{#2#3}%
12075     \else
12076     \global\setbox\@mpfootins\vbox{%
12077         \unvbox\@mpfootins
12078         \bidi@footskip
12079         #2#3%
12080     }%
12081     \fi
12082     \fi
12083 }
12084 \newcount\bidi@absolute@page@count
12085 \bidi@absolute@page@count\@ne
12086 \newcount\bidi@absolute@footnote@count
12087 \bidi@AfterOutputBoxOutputPage{%
12088     \if@filesw
12089     \edef\@tempa{%
12090         \write\@auxout{%
12091             \string\bidi@finalfootnoteperpage%
12092             {\noexpand\number\noexpand\bidi@absolute@page@count}%
12093             {\noexpand\number\noexpand\bidi@absolute@footnote@count}%
12094         }%
12095     }%
12096     \@tempa
12097     \fi
12098 }
12099 \bidi@AtEndOutputPage{%
12100     \global\advance\bidi@absolute@page@count\@ne
12101 }
12102 \newcommand*{\bidi@finalfootnoteperpage}[2]{%
12103     \expandafter\gdef\csname bidi@currentpagefinalfootnote@@#1\endcsname{#2}%
12104 }
12105 \newif\if@bidi@finalfootnoteperpage
12106 \newcommand{\bidi@ifafterfinalfootnoteperpage}[2]{%
12107     \if@bidi@csundef{bidi@currentpagefinalfootnote@@\number\bidi@absolute@page@count}{%
12108         \global\@bidi@finalfootnoteperpagetrue
12109     }{%

```



```

12110 \global\@bidi@finalfootnoteperpagefalse
12111 \ifnum\bidi@absolutefootnote@count=\bidi@csuse{\bidi@currentpagefinalfootnote@@\number\b
12112 #1%
12113 \else
12114 #2%
12115 \fi
12116 }%
12117 }
12118 \newcommand{\bidi@reinsertfinalfootnoteperpage}[3]{%
12119 \bidi@ifafterfinalfootnoteperpage{%
12120 \bidi@reinsertfootnote{#1}{#2}{#3}%
12121 }{%
12122 }%
12123 }
12124 \newcommand*\bidi@step@absolutefootnote@count{%
12125 \global\advance\bidi@absolutefootnote@count\@ne
12126 }
12127 \bidi@AfterEndDocumentCheckLabelsRerun{%
12128 \if@bidi@finalfootnoteperpage
12129 \PackageWarningNoLine{bidi}{%
12130 The absolute final footnote is not
12131 known on every page of your
12132 document. Rerun TeX to get the
12133 absolute final footnote on every page
12134 of your document%
12135 }%
12136 \fi
12137 }
12138 \bidi@ensure@newcommand{\@m@doextrafeetmini}{%
12139 \extrafeetminihook}
12140 \bidi@ensure@newcommand{\extrafeetendmini}{%
12141 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12142 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12143 \extrafeetendminihook}
12144 \bidi@ensure@newcommand{\extrafeetendminihook}{%
12145 \bidi@ensure@newcommand{\@m@doextrafeetendmini}{\extrafeetendmini}
12146 \def\endminipage{%
12147 \par
12148 \unskip
12149 \@m@doextrafeetendmini
12150 \ifvoid\@mpfootins
12151 \else
12152 \vskip\skip\@mpfootins
12153 \normalcolor
12154 \footnoterule
12155 \unvbox\@mpfootins
12156 \fi
12157 \@minipagefalse
12158 \color@endgroup
12159 \egroup
12160 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
12161 \bidi@ensure@newcommand{\@m@make@footstart}[1]{%
12162 \@namedef{\@footstart#1}{%
12163 \leftskip=\z@

```



```

12164 \rightskip=\z@
12165 \parindent=\z@
12166 }%
12167 }
12168 \newinsert\footinsv@r
12169 \skip\footinsv@r\skip\footins
12170 \count\footinsv@r=1000 % no magnification
12171 \dimen\footinsv@r=\footinsdim
12172 \m@make@footstart{v@r}
12173 \newinsert\footinsv@l
12174 \skip\footinsv@l\skip\footins
12175 \count\footinsv@l=1000 % no magnification
12176 \dimen\footinsv@l=\footinsdim
12177 \m@make@footstart{v@l}
12178 \bidi@ensure@newcommand{\@footgroupv@r}{%
12179 \newinsert\@mpfootinsv@r
12180 \skip\@mpfootinsv@r\skip\@mpfootins
12181 \newinsert\@mpfootinsv@l
12182 \skip\@mpfootinsv@l\skip\@mpfootins
12183 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
12184 \newcount\m@mk \newdimen\m@m@h
12185 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12186 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12187 \valign{##\vfill\cr\m@mdosplits}\endR}}
12188 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12189 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12190 \valign{##\vfill\cr\m@mdosplits}\endL}}
12191 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
12192 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
12193 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
12194 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12195 \setbox2 \vsplit0 to \dimen0
12196 \unvbox2 }
12197 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12198 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12199 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12200 \@bidi@before@Hy@hyperfootnotes
12201 \let\@footnotetext\@twocolfootnotetext
12202 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12203 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12204 \dimen\footinsv@r=2\footinsdim
12205 \count\footinsv@r=500\relax
12206 \m@make@twocol@footgroup{v@r}%
12207 \let\@footgroupv@r\@twocol@footgroupv@r
12208 \dimen\footinsv@l=2\footinsdim
12209 \count\footinsv@l=500\relax
12210 \bidi@make@twocol@LTRfootgroup{v@l}%
12211 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12212 \let\@mpfootnotetext\@mptwocolfootnotetext
12213 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12214 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12215 \@bidi@after@Hy@hyperfootnotes
12216 \m@make@mptwocol@footgroup{v@r}%
12217 \let\mp@footgroupv@r\@mptwocol@footgroupv@r

```



```

12218 \bidi@make@emptwocol@LTRfootgroup{v@1}%
12219 \let@mp@LTRfootgroupv@1@emptwocol@LTRfootgroupv@1
12220 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12221 }
12222 \newcommand{\TwoColumnFootnotes}{%
12223 \@namedef{foottextfontv@r}{\foottextfont}%
12224 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12225 \@bidi@before@Hy@hyperfootnotes
12226 \let\@footnotetext\@TwoColfootnotetext
12227 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12228 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12229 \dimen\footinsv@r=2\footinsdim
12230 \count\footinsv@r=500\relax
12231 \m@make@twocol@footgroup{v@r}%
12232 \let\@footgroupv@r\@twocol@footgroupv@r
12233 \dimen\footinsv@l=2\footinsdim
12234 \count\footinsv@l=500\relax
12235 \bidi@make@twocol@LTRfootgroup{v@1}%
12236 \let\@LTRfootgroupv@1\@twocol@LTRfootgroupv@1
12237 \let\@mpfootnotetext\@mpTwoColfootnotetext
12238 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12239 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12240 \@bidi@after@Hy@hyperfootnotes
12241 \m@make@emptwocol@footgroup{v@r}%
12242 \let@mp@footgroupv@r\@emptwocol@footgroupv@r
12243 \bidi@make@emptwocol@LTRfootgroup{v@1}%
12244 \let@mp@LTRfootgroupv@1\@emptwocol@LTRfootgroupv@1
12245 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12246 }
12247 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12248 \if@RTL@footnote
12249 \footinsv@r
12250 \else
12251 \footinsv@l
12252 \fi
12253 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12254 \def\baselinestretch{\m@mm@footnote@spacing}%
12255 \reset@font\foottextfont
12256 \@preamfntext
12257 \protected@edef\@currentlabel{%
12258 \csname p@footnote\endcsname\@thefnmark}%
12259 \color@begingroup
12260 \@twocolfootfmt{#1}%
12261 \color@endgroup}%
12262 \m@mmf@prepare}
12263 \newcommand{\@TwoColfootnotetext}[1]{%
12264 \bidi@step@absolute@footnote@count
12265 \if@RTL@footnote
12266 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
12267 \else
12268 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12269 \fi
12270 \global\setbox
12271 \if@RTL@footnote

```



```

12272 \footinsv@r
12273 \else
12274 \footinsv@l
12275 \fi
12276 \vbox{%
12277 \unvbox
12278 \if@RTL@footnote
12279 \footinsv@r
12280 \else
12281 \footinsv@l
12282 \fi
12283 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12284 \def\baselinestretch{\m@m@footnote@spacing}%
12285 \reset@font\foottextfont
12286 \@preamfntext
12287 \protected@edef\@currentlabel{%
12288 \csname p@footnote\endcsname\@thefnmark}%
12289 \color@begingroup
12290 \@twocolfootfmt{#1}%
12291 \color@endgroup}%
12292 \m@mmf@prepare
12293 \if@RTL@footnote
12294 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12295 \else
12296 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12297 \fi
12298 }
12299 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12300 \def\baselinestretch{\m@m@footnote@spacing}%
12301 \reset@font\LTRfoottextfont
12302 \@preamfntext
12303 \protected@edef\@currentlabel{%
12304 \csname p@footnote\endcsname\@thefnmark}%
12305 \color@begingroup
12306 \@twocolLTRfootfmt{#1}%
12307 \color@endgroup}%
12308 \m@mmf@prepare}
12309 \newcommand{\@TwoCollTRfootnotetext}[1]{%
12310 \bidi@step@absolute@footnote@count
12311 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12312 \global\setbox\footinsv@l\vbox{%
12313 \unvbox\footinsv@l
12314 \@RTLfalse
12315 \def\baselinestretch{\m@m@footnote@spacing}%
12316 \reset@font\LTRfoottextfont
12317 \@preamfntext
12318 \protected@edef\@currentlabel{%
12319 \csname p@footnote\endcsname\@thefnmark}%
12320 \color@begingroup
12321 \@twocolLTRfootfmt{#1}%
12322 \color@endgroup}%
12323 \m@mmf@prepare
12324 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12325 }

```



```

12326 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12327 \def\baselinestretch{\m@m@footnote@spacing}%
12328 \reset@font\RTLfoottextfont
12329 \@preamftext
12330 \protected@edef\@currentlabel{%
12331 \csname p@footnote\endcsname\@thefnmark}%
12332 \color@begingroup
12333 \@twocolRTLfootfmt{#1}%
12334 \color@endgroup}%
12335 \m@mmf@prepare}
12336 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12337 \bidi@step@absolute@footnote@count
12338 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12339 \global\setbox\footinsv@r\vbox{%
12340 \unvbox\footinsv@r
12341 \@RTLtrue
12342 \def\baselinestretch{\m@m@footnote@spacing}%
12343 \reset@font\RTLfoottextfont
12344 \@preamftext
12345 \protected@edef\@currentlabel{%
12346 \csname p@footnote\endcsname\@thefnmark}%
12347 \color@begingroup
12348 \@twocolRTLfootfmt{#1}%
12349 \color@endgroup}%
12350 \m@mmf@prepare
12351 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
12352 }
12353 \bidi@ensure@newcommand{\@preamtwofmt}{%
12354 \hsize .45\hsize
12355 \parindent=\z@
12356 \tolerance=5000\relax
12357 \leavevmode}
12358 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12359 \@preamtwofmt
12360 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12361 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12362 \@preamtwofmt
12363 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12364 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12365 \@preamtwofmt
12366 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12367 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12368 \global\setbox
12369 \if@RTL@footnote
12370 \@mpfootinsv@r
12371 \else
12372 \@mpfootinsv@l
12373 \fi
12374 \vbox{%
12375 \unvbox
12376 \if@RTL@footnote
12377 \@mpfootinsv@r
12378 \else
12379 \@mpfootinsv@l

```



```

12380 \fi
12381 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12382 \def\baselinestretch{\m@m@footnote@spacing}%
12383 \reset@font\foottextfont
12384 \hsize\columnwidth \@parboxrestore
12385 \protected@edef\@currentlabel{%
12386 \csname p@mpfootnote\endcsname\@thefnmark}%
12387 \color@begingroup
12388 \@twocolfootfmt{#1}%
12389 \color@endgroup}%
12390 \m@m@mmf@prepare}
12391 \newcommand{\@mpTwoColfootnotetext}[1]{%
12392 \ifRTL@footnote
12393 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12394 \else
12395 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12396 \fi
12397 \global\setbox
12398 \ifRTL@footnote
12399 \@mpfootinsv@r
12400 \else
12401 \@mpfootinsv@l
12402 \fi
12403 \vbox{%
12404 \unvbox
12405 \ifRTL@footnote
12406 \@mpfootinsv@r
12407 \else
12408 \@mpfootinsv@l
12409 \fi
12410 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12411 \def\baselinestretch{\m@m@footnote@spacing}%
12412 \reset@font\foottextfont
12413 \hsize\columnwidth \@parboxrestore
12414 \protected@edef\@currentlabel{%
12415 \csname p@mpfootnote\endcsname\@thefnmark}%
12416 \color@begingroup
12417 \@twocolfootfmt{#1}%
12418 \color@endgroup}%
12419 \m@m@mmf@prepare}
12420 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12421 \global\setbox\@mpfootinsv@l\vbox{%
12422 \unvbox\@mpfootinsv@l
12423 \@RTLfalse
12424 \def\baselinestretch{\m@m@footnote@spacing}%
12425 \reset@font\LTRfoottextfont
12426 \hsize\columnwidth \@parboxrestore
12427 \protected@edef\@currentlabel{%
12428 \csname p@mpfootnote\endcsname\@thefnmark}%
12429 \color@begingroup
12430 \@twocolLTRfootfmt{#1}%
12431 \color@endgroup}%
12432 \m@m@mmf@prepare}
12433 \newcommand{\@mpTwoColLTRfootnotetext}[1]{%

```




```

12434 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12435 \global\setbox\@mpfootinsv@l\vbox{%
12436 \unvbox\@mpfootinsv@l
12437 \@RTLfalse
12438 \def\baselinestretch{\m@m@footnote@spacing}%
12439 \reset@font\LTRfoottextfont
12440 \hsize\columnwidth \@parboxrestore
12441 \protected@edef\@currentlabel{%
12442 \csname p@mpfootnote\endcsname\@thefnmark}%
12443 \color@begingroup
12444 \@twocolLTRfootfmt{#1}%
12445 \color@endgroup}%
12446 \m@mmf@prepare}
12447 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12448 \global\setbox\@mpfootinsv@r\vbox{%
12449 \unvbox\@mpfootinsv@r
12450 \@RTLtrue
12451 \def\baselinestretch{\m@m@footnote@spacing}%
12452 \reset@font\RTLfoottextfont
12453 \hsize\columnwidth \@parboxrestore
12454 \protected@edef\@currentlabel{%
12455 \csname p@mpfootnote\endcsname\@thefnmark}%
12456 \color@begingroup
12457 \@twocolRTLfootfmt{#1}%
12458 \color@endgroup}%
12459 \m@mmf@prepare}
12460 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12461 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12462 \global\setbox\@mpfootinsv@r\vbox{%
12463 \unvbox\@mpfootinsv@r
12464 \@RTLtrue
12465 \def\baselinestretch{\m@m@footnote@spacing}%
12466 \reset@font\RTLfoottextfont
12467 \hsize\columnwidth \@parboxrestore
12468 \protected@edef\@currentlabel{%
12469 \csname p@mpfootnote\endcsname\@thefnmark}%
12470 \color@begingroup
12471 \@twocolRTLfootfmt{#1}%
12472 \color@endgroup}%
12473 \m@mmf@prepare}
12474 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12475 \@namedef{twocol@footgroup#1}{%
12476 \def\baselinestretch{\m@m@footnote@spacing}%
12477 \hsize\bidi@columnwidth
12478 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12479 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12480 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12481 \@namedef{twocol@LTRfootgroup#1}{%
12482 \def\baselinestretch{\m@m@footnote@spacing}%
12483 \hsize\bidi@columnwidth
12484 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12485 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12486 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12487 \@namedef{mptwocol@footgroup#1}{%

```



```

12488 \def\baselinestretch{\m@footnote@spacing}%
12489 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12490 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12491 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12492 \@namedef{@mptwocol@LTRfootgroup#1}{%
12493 \def\baselinestretch{\m@footnote@spacing}%
12494 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12495 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12496 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12497 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12498 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12499 \@bidi@before@Hy@hyperfootnotes
12500 \let@footnotetext@threecolfootnotetext
12501 \let@LTRfootnotetext@threecolLTRfootnotetext
12502 \let@RTLfootnotetext@threecolRTLfootnotetext
12503 \dimen\footinsv@r=3\footinsdim
12504 \count\footinsv@r=333\relax
12505 \m@make@threecol@footgroup{v@r}%
12506 \let\@footgroupv@r@threecol@footgroupv@r
12507 \dimen\footinsv@l=3\footinsdim
12508 \count\footinsv@l=333\relax
12509 \bidi@make@threecol@LTRfootgroup{v@l}%
12510 \let@LTRfootgroupv@l@threecol@LTRfootgroupv@l
12511 \let@mpfootnotetext@mpthreecolfootnotetext
12512 \let@mpLTRfootnotetext@mpthreecolLTRfootnotetext
12513 \let@mpRTLfootnotetext@mpthreecolRTLfootnotetext
12514 \@bidi@after@Hy@hyperfootnotes
12515 \m@make@mpthreecol@footgroup{v@r}%
12516 \let\mp@footgroupv@r@mpthreecol@footgroupv@r
12517 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12518 \let\mp@LTRfootgroupv@l@mpthreecol@LTRfootgroupv@l
12519 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12520 }
12521 \newcommand{\ThreeColumnFootnotes}{%
12522 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12523 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12524 \@bidi@before@Hy@hyperfootnotes
12525 \let@footnotetext@ThreeColfootnotetext
12526 \let@LTRfootnotetext@ThreeColLTRfootnotetext
12527 \let@RTLfootnotetext@ThreeColRTLfootnotetext
12528 \dimen\footinsv@r=3\footinsdim
12529 \count\footinsv@r=333\relax
12530 \m@make@threecol@footgroup{v@r}%
12531 \let\@footgroupv@r@threecol@footgroupv@r
12532 \dimen\footinsv@l=3\footinsdim
12533 \count\footinsv@l=333\relax
12534 \bidi@make@threecol@LTRfootgroup{v@l}%
12535 \let@LTRfootgroupv@l@threecol@LTRfootgroupv@l
12536 \let@mpfootnotetext@mpThreeColfootnotetext
12537 \let@mpLTRfootnotetext@mpThreeColLTRfootnotetext
12538 \let@mpRTLfootnotetext@mpThreeColRTLfootnotetext
12539 \@bidi@after@Hy@hyperfootnotes
12540 \m@make@mpthreecol@footgroup{v@r}%
12541 \let\mp@footgroupv@r@mpthreecol@footgroupv@r

```



```

12542 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12543 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12544 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12545 }
12546 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12547 \if@RTL@footnote
12548 \footinsv@r
12549 \else
12550 \footinsv@l
12551 \fi
12552 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12553 \def\baselinestretch{\m@m@footnote@spacing}%
12554 \reset@font\foottextfont
12555 \@preamfntext
12556 \protected@edef\@currentlabel{%
12557 \csname p@footnote\endcsname\@thefnmark}%
12558 \color@begingroup
12559 \@threecolfootfmt{#1}%
12560 \color@endgroup}\m@mmf@prepare}
12561 \newcommand{\@ThreeColfootnotetext}[1]{%
12562 \bidi@step@absolute@footnote@count
12563 \if@RTL@footnote
12564 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12565 \else
12566 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12567 \fi
12568 \global\setbox
12569 \if@RTL@footnote
12570 \footinsv@r
12571 \else
12572 \footinsv@l
12573 \fi
12574 \vbox{%
12575 \unvbox
12576 \if@RTL@footnote
12577 \footinsv@r
12578 \else
12579 \footinsv@l
12580 \fi
12581 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12582 \def\baselinestretch{\m@m@footnote@spacing}%
12583 \reset@font\foottextfont
12584 \@preamfntext
12585 \protected@edef\@currentlabel{%
12586 \csname p@footnote\endcsname\@thefnmark}%
12587 \color@begingroup
12588 \@threecolfootfmt{#1}%
12589 \color@endgroup}\m@mmf@prepare
12590 \if@RTL@footnote
12591 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12592 \else
12593 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12594 \fi
12595 }

```



```

12596 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12597 \def\baselinestretch{\m@m@footnote@spacing}%
12598 \reset@font\LTRfoottextfont
12599 \@preamfntext
12600 \protected@edef\@currentlabel{%
12601 \csname p@footnote\endcsname\@thefnmark}%
12602 \color@begingroup
12603 \@threecolLTRfootfmt{#1}%
12604 \color@endgroup}\m@mmf@prepare}
12605 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12606 \bidi@step@absolute@footnote@count
12607 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
12608 \global\setbox\footinsv@l\vbox{%
12609 \unvbox\footinsv@l
12610 \@RTLfalse
12611 \def\baselinestretch{\m@m@footnote@spacing}%
12612 \reset@font\LTRfoottextfont
12613 \@preamfntext
12614 \protected@edef\@currentlabel{%
12615 \csname p@footnote\endcsname\@thefnmark}%
12616 \color@begingroup
12617 \@threecolLTRfootfmt{#1}%
12618 \color@endgroup}\m@mmf@prepare
12619 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12620 }
12621 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12622 \def\baselinestretch{\m@m@footnote@spacing}%
12623 \reset@font\RTLfoottextfont
12624 \@preamfntext
12625 \protected@edef\@currentlabel{%
12626 \csname p@footnote\endcsname\@thefnmark}%
12627 \color@begingroup
12628 \@threecolRTLfootfmt{#1}%
12629 \color@endgroup}\m@mmf@prepare}
12630 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12631 \bidi@step@absolute@footnote@count
12632 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12633 \global\setbox\footinsv@r\vbox{%
12634 \unvbox\footinsv@r
12635 \@RTLtrue
12636 \def\baselinestretch{\m@m@footnote@spacing}%
12637 \reset@font\RTLfoottextfont
12638 \@preamfntext
12639 \protected@edef\@currentlabel{%
12640 \csname p@footnote\endcsname\@thefnmark}%
12641 \color@begingroup
12642 \@threecolRTLfootfmt{#1}%
12643 \color@endgroup}\m@mmf@prepare
12644 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12645 }
12646 \bidi@ensure@newcommand{\@preamthreefmt}{%
12647 \hsize .3\hsize
12648 \parindent=\z@
12649 \tolerance=5000\relax

```



```

12650 \leavevmode}
12651 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12652 \@preamthreefmt
12653 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12654 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12655 \@preamthreefmt
12656 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12657 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12658 \@preamthreefmt
12659 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12660 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12661 \global\setbox
12662 \if@RTL@footnote
12663 \@mpfootinsv@r
12664 \else
12665 \@mpfootinsv@l
12666 \fi
12667 \vbox{%
12668 \unvbox
12669 \if@RTL@footnote
12670 \@mpfootinsv@r
12671 \else
12672 \@mpfootinsv@l
12673 \fi
12674 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12675 \def\baselinestretch{\m@m@footnote@spacing}%
12676 \reset@font\foottextfont
12677 \hsize\columnwidth \@parboxrestore
12678 \protected@edef\@currentlabel{%
12679 \csname p@mpfootnote\endcsname\@thefnmark}%
12680 \color@begingroup
12681 \@threecolfootfmt{#1}%
12682 \color@endgroup}\m@mmf@prepare}
12683 \newcommand{\@mpThreeColfootnotetext}[1]{%
12684 \if@RTL@footnote
12685 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12686 \else
12687 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12688 \fi
12689 \global\setbox
12690 \if@RTL@footnote
12691 \@mpfootinsv@r
12692 \else
12693 \@mpfootinsv@l
12694 \fi
12695 \vbox{%
12696 \unvbox
12697 \if@RTL@footnote
12698 \@mpfootinsv@r
12699 \else
12700 \@mpfootinsv@l
12701 \fi
12702 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12703 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

12704 \reset@font\foottextfont
12705 \hsize\columnwidth \@parboxrestore
12706 \protected@edef\@currentlabel{%
12707 \csname p@mpfootnote\endcsname\@thefnmark}%
12708 \color@begingroup
12709 \@threecolfootfmt{#1}%
12710 \color@endgroup}\m@mmf@prepare}
12711 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12712 \global\setbox\@mpfootinsv@l\vbox{%
12713 \unvbox\@mpfootinsv@l
12714 \RTLfalse
12715 \def\baselinestretch{\m@mm@footnote@spacing}%
12716 \reset@font\LTRfoottextfont
12717 \hsize\columnwidth \@parboxrestore
12718 \protected@edef\@currentlabel{%
12719 \csname p@mpfootnote\endcsname\@thefnmark}%
12720 \color@begingroup
12721 \@threecolLTRfootfmt{#1}%
12722 \color@endgroup}\m@mmf@prepare}
12723 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12724 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12725 \global\setbox\@mpfootinsv@l\vbox{%
12726 \unvbox\@mpfootinsv@l
12727 \RTLfalse
12728 \def\baselinestretch{\m@mm@footnote@spacing}%
12729 \reset@font\LTRfoottextfont
12730 \hsize\columnwidth \@parboxrestore
12731 \protected@edef\@currentlabel{%
12732 \csname p@mpfootnote\endcsname\@thefnmark}%
12733 \color@begingroup
12734 \@threecolLTRfootfmt{#1}%
12735 \color@endgroup}\m@mmf@prepare}
12736 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12737 \global\setbox\@mpfootinsv@r\vbox{%
12738 \unvbox\@mpfootinsv@r
12739 \RTLtrue
12740 \def\baselinestretch{\m@mm@footnote@spacing}%
12741 \reset@font\RTLfoottextfont
12742 \hsize\columnwidth \@parboxrestore
12743 \protected@edef\@currentlabel{%
12744 \csname p@mpfootnote\endcsname\@thefnmark}%
12745 \color@begingroup
12746 \@threecolRTLfootfmt{#1}%
12747 \color@endgroup}\m@mmf@prepare}
12748 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12749 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12750 \global\setbox\@mpfootinsv@r\vbox{%
12751 \unvbox\@mpfootinsv@r
12752 \RTLtrue
12753 \def\baselinestretch{\m@mm@footnote@spacing}%
12754 \reset@font\RTLfoottextfont
12755 \hsize\columnwidth \@parboxrestore
12756 \protected@edef\@currentlabel{%
12757 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

12758 \color@begingroup
12759 \@threecolRTLfootfmt{#1}%
12760 \color@endgroup}\m@mmf@prepare}
12761 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12762 \@namedef{@threecol@footgroup#1}{%
12763 \def\baselinestretch{\m@m@footnote@spacing}%
12764 \hsize\bidi@columnwidth
12765 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12766 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12767 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12768 \@namedef{@threecol@LTRfootgroup#1}{%
12769 \def\baselinestretch{\m@m@footnote@spacing}%
12770 \hsize\bidi@columnwidth
12771 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12772 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12773 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12774 \@namedef{@mpthreecol@footgroup#1}{%
12775 \def\baselinestretch{\m@m@footnote@spacing}%
12776 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12777 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12778 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12779 \@namedef{@mpthreecol@LTRfootgroup#1}{%
12780 \def\baselinestretch{\m@m@footnote@spacing}%
12781 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12782 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12783 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12784 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12785 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12786 \@bidi@before@Hy@hyperfootnotes
12787 \let\@footnotetext\@fourcolfootnotetext
12788 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12789 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12790 \dimen\footinsv@r=4\footinsdim
12791 \count\footinsv@r=250\relax
12792 \m@make@fourcol@footgroup{v@r}%
12793 \let\@footgroupv@r\@fourcol@footgroupv@r
12794 \dimen\footinsv@l=4\footinsdim
12795 \count\footinsv@l=250\relax
12796 \bidi@make@fourcol@LTRfootgroup{v@l}%
12797 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12798 \let\@mpfootnotetext\@mpfourcolfootnotetext
12799 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12800 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12801 \@bidi@after@Hy@hyperfootnotes
12802 \m@make@mpfourcol@footgroup{v@r}%
12803 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12804 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12805 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12806 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12807 }
12808 \newcommand{\FourColumnFootnotes}{%
12809 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12810 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12811 \@bidi@before@Hy@hyperfootnotes

```



```

12812 \let\@footnotetext\@FourColfootnotetext
12813 \let\@LTRfootnotetext\@FourColLTRfootnotetext
12814 \let\@RTLfootnotetext\@FourColRTLfootnotetext
12815 \dimen\footinsv@r=4\footinsdim
12816 \count\footinsv@r=250\relax
12817 \m@make@fourcol@footgroup{v@r}%
12818 \let\@footgroupv@r\@fourcol@footgroupv@r
12819 \dimen\footinsv@l=4\footinsdim
12820 \count\footinsv@l=250\relax
12821 \bidi@make@fourcol@LTRfootgroup{v@l}%
12822 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12823 \let\@mpfootnotetext\@mpFourColfootnotetext
12824 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12825 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12826 \@bidi@after@Hy@hyperfootnotes
12827 \m@make@mpfourcol@footgroup{v@r}%
12828 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12829 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12830 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12831 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12832 }
12833 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12834 \if@RTL@footnote
12835 \footinsv@r
12836 \else
12837 \footinsv@l
12838 \fi
12839 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12840 \def\baselinestretch{\m@m@footnote@spacing}%
12841 \reset@font\foottextfont
12842 \@preamfntext
12843 \protected@edef\@currentlabel{%
12844 \csname p@footnote\endcsname\@thefnmark}%
12845 \color@begingroup
12846 \@fourcolfootfmt{#1}%
12847 \color@endgroup}%
12848 \m@m@prepare}
12849 \newcommand{\@FourColfootnotetext}[1]{%
12850 \bidi@step@absolute@footnote@count
12851 \if@RTL@footnote
12852 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12853 \else
12854 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12855 \fi
12856 \global\setbox
12857 \if@RTL@footnote
12858 \footinsv@r
12859 \else
12860 \footinsv@l
12861 \fi
12862 \vbox{%
12863 \unvbox
12864 \if@RTL@footnote
12865 \footinsv@r

```




```

12866 \else
12867   \footinsv@l
12868 \fi
12869 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12870 \def\baselinestretch{\m@m@footnote@spacing}%
12871 \reset@font\foottextfont
12872 \@preamfntext
12873 \protected@edef\@currentlabel{%
12874   \csname p@footnote\endcsname\@thefnmark}%
12875 \color@begingroup
12876   \@fourcolfootfmt{#1}%
12877 \color@endgroup}%
12878 \m@mmf@prepare
12879 \ifRTL@footnote
12880   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12881 \else
12882   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12883 \fi
12884 }
12885 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12886 \def\baselinestretch{\m@m@footnote@spacing}%
12887 \reset@font\LTRfoottextfont
12888 \@preamfntext
12889 \protected@edef\@currentlabel{%
12890   \csname p@footnote\endcsname\@thefnmark}%
12891 \color@begingroup
12892   \@fourcolLTRfootfmt{#1}%
12893 \color@endgroup}%
12894 \m@mmf@prepare}
12895 \newcommand{\@FourCollTRfootnotetext}[1]{%
12896 \bidi@step@absolute@footnote@count
12897 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12898 \global\setbox\footinsv@l\vbox{%
12899 \unvbox\footinsv@l
12900 \@RTLfalse%
12901 \def\baselinestretch{\m@m@footnote@spacing}%
12902 \reset@font\LTRfoottextfont
12903 \@preamfntext
12904 \protected@edef\@currentlabel{%
12905   \csname p@footnote\endcsname\@thefnmark}%
12906 \color@begingroup
12907   \@fourcolLTRfootfmt{#1}%
12908 \color@endgroup}%
12909 \m@mmf@prepare
12910 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12911 }
12912 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12913 \def\baselinestretch{\m@m@footnote@spacing}%
12914 \reset@font\RTLfoottextfont
12915 \@preamfntext
12916 \protected@edef\@currentlabel{%
12917   \csname p@footnote\endcsname\@thefnmark}%
12918 \color@begingroup
12919   \@fourcolRTLfootfmt{#1}%

```



```

12920 \color@endgroup}%
12921 \m@mmf@prepare}
12922 \newcommand{\@FourColRTLfootnotetext}[1]{%
12923 \bidi@step@absolute@footnote@count
12924 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12925 \global\setbox\footinsv@r\vbox{%
12926 \unvbox\footinsv@r
12927 \RTLtrue
12928 \def\baselinestretch{\m@m@footnote@spacing}%
12929 \reset@font\RTLfoottextfont
12930 \@preamfntext
12931 \protected@edef\@currentlabel{%
12932 \csname p@footnote\endcsname\@thefnmark}%
12933 \color@begingroup
12934 \@fourcolRTLfootfmt{#1}%
12935 \color@endgroup}%
12936 \m@mmf@prepare
12937 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12938 }
12939 \bidi@ensure@newcommand{\@preamfourfmt}{%
12940 \hsize .25\hsize
12941 \parindent=\z@
12942 \tolerance=5000\relax
12943 \leavevmode}
12944 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12945 \@preamfourfmt
12946 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12947 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12948 \@preamfourfmt
12949 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12950 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12951 \@preamfourfmt
12952 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12953 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12954 \global\setbox
12955 \if@RTL@footnote
12956 \@mpfootinsv@r
12957 \else
12958 \@mpfootinsv@l
12959 \fi
12960 \vbox{%
12961 \unvbox
12962 \if@RTL@footnote
12963 \@mpfootinsv@r
12964 \else
12965 \@mpfootinsv@l
12966 \fi
12967 \if@RTL@footnote\RTLtrue\else\RTLfalse\fi
12968 \def\baselinestretch{\m@m@footnote@spacing}%
12969 \reset@font\foottextfont
12970 \hsize\columnwidth \@parboxrestore
12971 \protected@edef\@currentlabel{%
12972 \csname p@mpfootnote\endcsname\@thefnmark}%
12973 \color@begingroup

```



```

12974 \fourcolfootfmt{#1}%
12975 \color@endgroup}%
12976 \m@mmf@prepare}
12977 \newcommand{\@mpFourColfootnotetext}[1]{%
12978 \if@RTL@footnote
12979 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12980 \else
12981 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12982 \fi
12983 \global\setbox
12984 \if@RTL@footnote
12985 \@mpfootinsv@r
12986 \else
12987 \@mpfootinsv@l
12988 \fi
12989 \vbox{%
12990 \unvbox
12991 \if@RTL@footnote
12992 \@mpfootinsv@r
12993 \else
12994 \@mpfootinsv@l
12995 \fi
12996 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12997 \def\baselinestretch{\m@mm@footnote@spacing}%
12998 \reset@font\foottextfont
12999 \hsize\columnwidth \@parboxrestore
13000 \protected@edef\@currentlabel{%
13001 \csname p@mpfootnote\endcsname\@thefnmark}%
13002 \color@begingroup
13003 \fourcolfootfmt{#1}%
13004 \color@endgroup}%
13005 \m@mmf@prepare}
13006 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
13007 \global\setbox\@mpfootinsv@l\vbox{%
13008 \unvbox\@mpfootinsv@l
13009 \@RTLfalse
13010 \def\baselinestretch{\m@mm@footnote@spacing}%
13011 \reset@font\LTRfoottextfont
13012 \hsize\columnwidth \@parboxrestore
13013 \protected@edef\@currentlabel{%
13014 \csname p@mpfootnote\endcsname\@thefnmark}%
13015 \color@begingroup
13016 \fourcolLTRfootfmt{#1}%
13017 \color@endgroup}%
13018 \m@mmf@prepare}
13019 \newcommand{\@mpFourColLTRfootnotetext}[1]{%
13020 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13021 \global\setbox\@mpfootinsv@l\vbox{%
13022 \unvbox\@mpfootinsv@l
13023 \@RTLfalse
13024 \def\baselinestretch{\m@mm@footnote@spacing}%
13025 \reset@font\LTRfoottextfont
13026 \hsize\columnwidth \@parboxrestore
13027 \protected@edef\@currentlabel{%

```



```

13028     \csname p@mpfootnote\endcsname\@thefnmark}%
13029 \color@begingroup
13030     \@fourcolLTRfootfmt{#1}%
13031 \color@endgroup}%
13032 \m@mmf@prepare}
13033 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
13034 \global\setbox\@mpfootinsv@r\vbox{%
13035 \unvbox\@mpfootinsv@r
13036 \RTLtrue
13037 \def\baselinestretch{\m@m@footnote@spacing}%
13038 \reset@font\RTLfoottextfont
13039 \hsize\columnwidth \@parboxrestore
13040 \protected@edef\@currentlabel{%
13041 \csname p@mpfootnote\endcsname\@thefnmark}%
13042 \color@begingroup
13043 \@fourcolRTLfootfmt{#1}%
13044 \color@endgroup}%
13045 \m@mmf@prepare}
13046 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
13047 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13048 \global\setbox\@mpfootinsv@r\vbox{%
13049 \unvbox\@mpfootinsv@r
13050 \RTLtrue
13051 \def\baselinestretch{\m@m@footnote@spacing}%
13052 \reset@font\RTLfoottextfont
13053 \hsize\columnwidth \@parboxrestore
13054 \protected@edef\@currentlabel{%
13055 \csname p@mpfootnote\endcsname\@thefnmark}%
13056 \color@begingroup
13057 \@fourcolRTLfootfmt{#1}%
13058 \color@endgroup}%
13059 \m@mmf@prepare}
13060 \bidi@ensure@newcommand{\@m@make@fourcol@footgroup}[1]{%
13061 \@namedef{@fourcol@footgroup#1}{%
13062 \def\baselinestretch{\m@m@footnote@spacing}%
13063 \hsize\bidi@columnwidth
13064 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13065 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
13066 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
13067 \@namedef{@fourcol@LTRfootgroup#1}{%
13068 \def\baselinestretch{\m@m@footnote@spacing}%
13069 \hsize\bidi@columnwidth
13070 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13071 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
13072 \bidi@ensure@newcommand{\@m@make@mpfourcol@footgroup}[1]{%
13073 \@namedef{@mpfourcol@footgroup#1}{%
13074 \def\baselinestretch{\m@m@footnote@spacing}%
13075 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13076 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
13077 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
13078 \@namedef{@mpfourcol@LTRfootgroup#1}{%
13079 \def\baselinestretch{\m@m@footnote@spacing}%
13080 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13081 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}

```



```

13082 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
13083   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13084   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13085   \@bidi@before@Hy@hyperfootnotes
13086   \let\@footnotetext\@fivecolfootnotetext
13087   \let\@LTRfootnotetext\@fivecolLTRfootnotetext
13088   \let\@RTLfootnotetext\@fivecolRTLfootnotetext
13089   \dimen\footinsv@r=5\footinsdim
13090   \count\footinsv@r=200\relax
13091   \m@make@fivecol@footgroup{v@r}%
13092   \let\@footgroupv@r\@fivecol@footgroupv@r
13093   \dimen\footinsv@l=5\footinsdim
13094   \count\footinsv@l=200\relax
13095   \bidi@make@fivecol@LTRfootgroup{v@l}%
13096   \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13097   \let\@mpfootnotetext\@mpfivecolfootnotetext
13098   \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13099   \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13100   \@bidi@after@Hy@hyperfootnotes
13101   \m@make@mpfivecol@footgroup{v@r}%
13102   \let\@mp@footgroupv@r\@mpfivecol@footgroupv@r
13103   \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13104   \let\@mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13105   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13106 }
13107 \newcommand{\FiveColumnFootnotes}{%
13108   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13109   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13110   \@bidi@before@Hy@hyperfootnotes
13111   \let\@footnotetext\@FiveColfootnotetext
13112   \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13113   \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13114   \dimen\footinsv@r=5\footinsdim
13115   \count\footinsv@r=200\relax
13116   \m@make@fivecol@footgroup{v@r}%
13117   \let\@footgroupv@r\@fivecol@footgroupv@r
13118   \dimen\footinsv@l=5\footinsdim
13119   \count\footinsv@l=200\relax
13120   \bidi@make@fivecol@LTRfootgroup{v@l}%
13121   \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13122   \let\@mpfootnotetext\@mpFiveColfootnotetext
13123   \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13124   \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13125   \@bidi@after@Hy@hyperfootnotes
13126   \m@make@mpfivecol@footgroup{v@r}%
13127   \let\@mp@footgroupv@r\@mpfivecol@footgroupv@r
13128   \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13129   \let\@mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13130   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13131 }
13132 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13133   \if@RTL@footnote
13134     \footinsv@r
13135   \else

```



```

13136     \footinsv@l
13137     \fi
13138 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13139 \def\baselinestretch{\m@m@footnote@spacing}%
13140 \reset@font\foottextfont
13141 \@preamfntext
13142 \protected@edef\@currentlabel{%
13143   \csname p@footnote\endcsname\@thefnmark}%
13144 \color@begingroup
13145   \@fivecolfootfmt{#1}%
13146 \color@endgroup}%
13147 \m@mmf@prepare}
13148 \newcommand{\@FiveColFootnotetext}[1]{%
13149 \bidi@step@absolute@footnote@count
13150 \if@RTL@footnote
13151   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13152 \else
13153   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13154 \fi
13155 \global\setbox
13156 \if@RTL@footnote
13157   \footinsv@r
13158 \else
13159   \footinsv@l
13160 \fi
13161 \vbox{%
13162   \unvbox
13163   \if@RTL@footnote
13164     \footinsv@r
13165   \else
13166     \footinsv@l
13167   \fi
13168 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13169 \def\baselinestretch{\m@m@footnote@spacing}%
13170 \reset@font\foottextfont
13171 \@preamfntext
13172 \protected@edef\@currentlabel{%
13173   \csname p@footnote\endcsname\@thefnmark}%
13174 \color@begingroup
13175   \@fivecolfootfmt{#1}%
13176 \color@endgroup}%
13177 \m@mmf@prepare
13178 \if@RTL@footnote
13179   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13180 \else
13181   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13182 \fi
13183 }
13184 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13185 \def\baselinestretch{\m@m@footnote@spacing}%
13186 \reset@font\LTRfoottextfont
13187 \@preamfntext
13188 \protected@edef\@currentlabel{%
13189   \csname p@footnote\endcsname\@thefnmark}%

```



```

13190 \color@begingroup
13191   \@fivecolLTRfootfmt{#1}%
13192 \color@endgroup}%
13193 \m@mmf@prepare}
13194 \newcommand{\@FiveColLTRfootnotetext}[1]{%
13195   \bidi@step@absolute@footnote@count
13196   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13197   \global\setbox\footinsv@l\vbox{%
13198     \unvbox\footinsv@l
13199     \RTLfalse
13200     \def\baselinestretch{\m@m@footnote@spacing}%
13201     \reset@font\LTRfoottextfont
13202     \@preamfntext
13203     \protected@edef\@currentlabel{%
13204       \csname p@footnote\endcsname\@thefnmark}%
13205     \color@begingroup
13206       \@fivecolLTRfootfmt{#1}%
13207     \color@endgroup}%
13208     \m@mmf@prepare
13209     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13210   }
13211 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13212   \def\baselinestretch{\m@m@footnote@spacing}%
13213   \reset@font\RTLfoottextfont
13214   \@preamfntext
13215   \protected@edef\@currentlabel{%
13216     \csname p@footnote\endcsname\@thefnmark}%
13217   \color@begingroup
13218     \@fivecolRTLfootfmt{#1}%
13219   \color@endgroup}%
13220   \m@mmf@prepare}
13221 \newcommand{\@FiveColRTLfootnotetext}[1]{%
13222   \bidi@step@absolute@footnote@count
13223   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13224   \global\setbox\footinsv@r\vbox{%
13225     \unvbox\footinsv@r
13226     \RTLtrue
13227     \def\baselinestretch{\m@m@footnote@spacing}%
13228     \reset@font\RTLfoottextfont
13229     \@preamfntext
13230     \protected@edef\@currentlabel{%
13231       \csname p@footnote\endcsname\@thefnmark}%
13232     \color@begingroup
13233       \@fivecolRTLfootfmt{#1}%
13234     \color@endgroup}%
13235     \m@mmf@prepare
13236     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13237   }
13238 \bidi@ensure@newcommand{\@preamfivefmt}{%
13239   \hspace .2\hspace
13240   \parindent=\z@
13241   \tolerance=5000\relax
13242   \leavevmode}
13243 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%

```



```

13244 \@preamfivefmt
13245 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13246 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13247 \@preamfivefmt
13248 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13249 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13250 \@preamfivefmt
13251 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13252 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13253 \global\setbox
13254 \if@RTL@footnote
13255 \@mpfootinsv@r
13256 \else
13257 \@mpfootinsv@l
13258 \fi
13259 \vbox{%
13260 \unvbox
13261 \if@RTL@footnote
13262 \@mpfootinsv@r
13263 \else
13264 \@mpfootinsv@l
13265 \fi
13266 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13267 \def\baselinestretch{\m@m@footnote@spacing}%
13268 \reset@font\foottextfont
13269 \hsize\columnwidth \@parboxrestore
13270 \protected@edef\@currentlabel{%
13271 \csname p@mpfootnote\endcsname\@thefnmark}%
13272 \color@begingroup
13273 \@fivecolfootfmt{#1}%
13274 \color@endgroup}%
13275 \m@m@prepare}
13276 \newcommand{\@mpFiveColfootnotetext}[1]{%
13277 \if@RTL@footnote
13278 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13279 \else
13280 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13281 \fi
13282 \global\setbox
13283 \if@RTL@footnote
13284 \@mpfootinsv@r
13285 \else
13286 \@mpfootinsv@l
13287 \fi
13288 \vbox{%
13289 \unvbox
13290 \if@RTL@footnote
13291 \@mpfootinsv@r
13292 \else
13293 \@mpfootinsv@l
13294 \fi
13295 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13296 \def\baselinestretch{\m@m@footnote@spacing}%
13297 \reset@font\foottextfont

```




```

13298 \hsize\columnwidth \@parboxrestore
13299 \protected@edef\@currentlabel{%
13300 \csname p@mpfootnote\endcsname\@thefnmark}%
13301 \color@begingroup
13302 \@fivecolfootfmt{#1}%
13303 \color@endgroup}%
13304 \m@mmf@prepare}
13305 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
13306 \global\setbox\@mpfootinsv@l\vbox{%
13307 \unvbox\@mpfootinsv@l
13308 \@RTLfalse
13309 \def\baselinestretch{\m@m@footnote@spacing}%
13310 \reset@font\LTRfoottextfont
13311 \hsize\columnwidth \@parboxrestore
13312 \protected@edef\@currentlabel{%
13313 \csname p@mpfootnote\endcsname\@thefnmark}%
13314 \color@begingroup
13315 \@fivecolLTRfootfmt{#1}%
13316 \color@endgroup}%
13317 \m@mmf@prepare}
13318 \newcommand{\@mpFiveColLTRfootnotetext}[1]{%
13319 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13320 \global\setbox\@mpfootinsv@l\vbox{%
13321 \unvbox\@mpfootinsv@l
13322 \@RTLfalse
13323 \def\baselinestretch{\m@m@footnote@spacing}%
13324 \reset@font\LTRfoottextfont
13325 \hsize\columnwidth \@parboxrestore
13326 \protected@edef\@currentlabel{%
13327 \csname p@mpfootnote\endcsname\@thefnmark}%
13328 \color@begingroup
13329 \@fivecolLTRfootfmt{#1}%
13330 \color@endgroup}%
13331 \m@mmf@prepare}
13332 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13333 \global\setbox\@mpfootinsv@r\vbox{%
13334 \unvbox\@mpfootinsv@r
13335 \@RTLtrue
13336 \def\baselinestretch{\m@m@footnote@spacing}%
13337 \reset@font\RTLfoottextfont
13338 \hsize\columnwidth \@parboxrestore
13339 \protected@edef\@currentlabel{%
13340 \csname p@mpfootnote\endcsname\@thefnmark}%
13341 \color@begingroup
13342 \@fivecolRTLfootfmt{#1}%
13343 \color@endgroup}%
13344 \m@mmf@prepare}
13345 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13346 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13347 \global\setbox\@mpfootinsv@r\vbox{%
13348 \unvbox\@mpfootinsv@r
13349 \@RTLtrue
13350 \def\baselinestretch{\m@m@footnote@spacing}%
13351 \reset@font\RTLfoottextfont

```



```

13352 \hspace\columnwidth \@parboxrestore
13353 \protected@edef\@currentlabel{%
13354 \csname p@mpfootnote\endcsname\@thefnmark}%
13355 \color@begingroup
13356 \@fivecolRTLfootfmt{#1}%
13357 \color@endgroup}%
13358 \m@mmf@prepare}
13359 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13360 \@namedef{@fivecol@footgroup#1}{%
13361 \def\baselinestretch{\m@footnote@spacing}%
13362 \hspace\bidi@columnwidth
13363 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13364 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13365 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13366 \@namedef{@fivecol@LTRfootgroup#1}{%
13367 \def\baselinestretch{\m@footnote@spacing}%
13368 \hspace\bidi@columnwidth
13369 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13370 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13371 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13372 \@namedef{@mpfivecol@footgroup#1}{%
13373 \def\baselinestretch{\m@footnote@spacing}%
13374 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13375 \m@mrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13376 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13377 \@namedef{@mpfivecol@LTRfootgroup#1}{%
13378 \def\baselinestretch{\m@footnote@spacing}%
13379 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13380 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13381 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
13382 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13383 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13384 \@bidi@before@Hy@hyperfootnotes
13385 \let\@footnotetext\@sixcolfootnotetext
13386 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13387 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13388 \dimen\footinsv@r=6\footinsdim
13389 \count\footinsv@r=166\relax
13390 \m@make@sixcol@footgroup{v@r}%
13391 \let\@footgroupv@r\@sixcol@footgroupv@r
13392 \dimen\footinsv@l=6\footinsdim
13393 \count\footinsv@l=166\relax
13394 \bidi@make@sixcol@LTRfootgroup{v@l}%
13395 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13396 \let\@mpfootnotetext\@mpsixcolfootnotetext
13397 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13398 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13399 \@bidi@after@Hy@hyperfootnotes
13400 \m@make@mpsixcol@footgroup{v@r}%
13401 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13402 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13403 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13404 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13405 }

```



```

13406 \newcommand{\SixColumnFootnotes}{%
13407   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13408   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13409   \@bidi@before@Hy@hyperfootnotes
13410   \let\@footnotetext\@SixColfootnotetext
13411   \let\@LTRfootnotetext\@SixColLTRfootnotetext
13412   \let\@RTLfootnotetext\@SixColRTLfootnotetext
13413   \dimen\footinsv@r=6\footinsdim
13414   \count\footinsv@r=166\relax
13415   \m@make@sixcol@footgroup{v@r}%
13416   \let\@footgroupv@r\@sixcol@footgroupv@r
13417   \dimen\footinsv@l=6\footinsdim
13418   \count\footinsv@l=166\relax
13419   \bidi@make@sixcol@LTRfootgroup{v@l}%
13420   \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13421   \let\@mpfootnotetext\@mpSixColfootnotetext
13422   \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13423   \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13424   \@bidi@after@Hy@hyperfootnotes
13425   \m@make@mpsixcol@footgroup{v@r}%
13426   \let\@mp@footgroupv@r\@mpsixcol@footgroupv@r
13427   \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13428   \let\@mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13429   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13430 }
13431 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13432   \if@RTL@footnote
13433     \footinsv@r
13434   \else
13435     \footinsv@l
13436   \fi
13437   {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13438   \def\baselinestretch{\m@m@footnote@spacing}%
13439   \reset@font\foottextfont
13440   \@preamfntext
13441   \protected@edef\@currentlabel{%
13442     \csname p@footnote\endcsname\@thefnmark}%
13443   \color@begingroup
13444     \@sixcolfootfmt{#1}%
13445   \color@endgroup}%
13446   \m@mmf@prepare}
13447 \newcommand{\@SixColfootnotetext}[1]{%
13448   \bidi@step@absolute@footnote@count
13449   \if@RTL@footnote
13450     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13451   \else
13452     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13453   \fi
13454   \global\setbox
13455   \if@RTL@footnote
13456     \footinsv@r
13457   \else
13458     \footinsv@l
13459   \fi

```



```

13460 \vbox{%
13461   \unvbox
13462   \if@RTL@footnote
13463     \footinsv@r
13464   \else
13465     \footinsv@l
13466   \fi
13467   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13468   \def\baselinestretch{\m@m@footnote@spacing}%
13469   \reset@font\foottextfont
13470   \@preamfntext
13471   \protected@edef\@currentlabel{%
13472     \csname p@footnote\endcsname\@thefnmark}%
13473   \color@begingroup
13474     \@sixcolfootfmt{#1}%
13475   \color@endgroup}%
13476   \m@m@mmf@prepare
13477   \if@RTL@footnote
13478     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13479   \else
13480     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13481   \fi
13482 }
13483 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13484   \def\baselinestretch{\m@m@footnote@spacing}%
13485   \reset@font\LTRfoottextfont
13486   \@preamfntext
13487   \protected@edef\@currentlabel{%
13488     \csname p@footnote\endcsname\@thefnmark}%
13489   \color@begingroup
13490     \@sixcolLTRfootfmt{#1}%
13491   \color@endgroup}%
13492   \m@m@mmf@prepare}
13493 \newcommand{\@SixColLTRfootnotetext}[1]{%
13494   \bidi@step@absolute@footnote@count
13495   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13496   \global\setbox\footinsv@l\vbox{%
13497     \unvbox\footinsv@l
13498     \@RTLfalse
13499     \def\baselinestretch{\m@m@footnote@spacing}%
13500     \reset@font\LTRfoottextfont
13501     \@preamfntext
13502     \protected@edef\@currentlabel{%
13503       \csname p@footnote\endcsname\@thefnmark}%
13504     \color@begingroup
13505       \@sixcolLTRfootfmt{#1}%
13506     \color@endgroup}%
13507     \m@m@mmf@prepare
13508     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13509 }
13510 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13511   \def\baselinestretch{\m@m@footnote@spacing}%
13512   \reset@font\RTLfoottextfont
13513   \@preamfntext

```



```

13514 \protected@edef\@currentlabel{%
13515   \csname p@footnote\endcsname\@thefnmark}%
13516 \color@begingroup
13517   \@sixcolRTLfootfmt{#1}%
13518 \color@endgroup}%
13519 \m@mmf@prepare}
13520 \newcommand{\@SixColRTLfootnotetext}[1]{%
13521   \bidi@step@absolute@footnote@count
13522   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13523   \global\setbox\footinsv@r\vbox{%
13524     \unvbox\footinsv@r
13525     \@RTLtrue
13526     \def\baselinestretch{\m@m@footnote@spacing}%
13527     \reset@font\RTLfoottextfont
13528     \@preamsixfmt
13529     \protected@edef\@currentlabel{%
13530       \csname p@footnote\endcsname\@thefnmark}%
13531     \color@begingroup
13532       \@sixcolRTLfootfmt{#1}%
13533     \color@endgroup}%
13534     \m@mmf@prepare
13535     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13536   }
13537 \bidi@ensure@newcommand{\@preamsixfmt}{%
13538   \hsize .16\hsize
13539   \parindent=\z@
13540   \tolerance=5000\relax
13541   \leavevmode}
13542 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13543   \@preamsixfmt
13544   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13545 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
13546   \@preamsixfmt
13547   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13548 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13549   \@preamsixfmt
13550   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13551 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13552   \global\setbox
13553     \if@RTL@footnote
13554     \@mpfootinsv@r
13555   \else
13556     \@mpfootinsv@l
13557   \fi
13558   \vbox{%
13559     \unvbox
13560     \if@RTL@footnote
13561     \@mpfootinsv@r
13562   \else
13563     \@mpfootinsv@l
13564   \fi
13565   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13566   \def\baselinestretch{\m@m@footnote@spacing}%
13567   \reset@font\foottextfont

```



```

13568 \hsize\columnwidth \@parboxrestore
13569 \protected@edef\@currentlabel{%
13570 \csname p@mpfootnote\endcsname\@thefnmark}%
13571 \color@begingroup
13572 \@sixcolfootfmt{#1}%
13573 \color@endgroup}%
13574 \m@mmf@prepare}
13575 \newcommand{\@mpSixColfootnotetext}[1]{%
13576 \ifRTL@footnote
13577 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13578 \else
13579 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13580 \fi
13581 \global\setbox
13582 \ifRTL@footnote
13583 \@mpfootinsv@r
13584 \else
13585 \@mpfootinsv@l
13586 \fi
13587 \vbox{%
13588 \unvbox
13589 \ifRTL@footnote
13590 \@mpfootinsv@r
13591 \else
13592 \@mpfootinsv@l
13593 \fi
13594 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
13595 \def\baselinestretch{\m@m@footnote@spacing}%
13596 \reset@font\foottextfont
13597 \hsize\columnwidth \@parboxrestore
13598 \protected@edef\@currentlabel{%
13599 \csname p@mpfootnote\endcsname\@thefnmark}%
13600 \color@begingroup
13601 \@sixcolfootfmt{#1}%
13602 \color@endgroup}%
13603 \m@mmf@prepare}
13604 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
13605 \global\setbox\@mpfootinsv@l\vbox{%
13606 \unvbox\@mpfootinsv@l
13607 \@RTLfalse
13608 \def\baselinestretch{\m@m@footnote@spacing}%
13609 \reset@font\LTRfoottextfont
13610 \hsize\columnwidth \@parboxrestore
13611 \protected@edef\@currentlabel{%
13612 \csname p@mpfootnote\endcsname\@thefnmark}%
13613 \color@begingroup
13614 \@sixcolLTRfootfmt{#1}%
13615 \color@endgroup}%
13616 \m@mmf@prepare}
13617 \newcommand{\@mpSixColLTRfootnotetext}[1]{%
13618 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13619 \global\setbox\@mpfootinsv@l\vbox{%
13620 \unvbox\@mpfootinsv@l
13621 \@RTLfalse

```



```

13622 \def\baselinestretch{\m@m@footnote@spacing}%
13623 \reset@font\LTRfoottextfont
13624 \hsize\columnwidth \@parboxrestore
13625 \protected@edef\@currentlabel{%
13626   \csname p@mpfootnote\endcsname\@thefnmark}%
13627 \color@begingroup
13628   \@sixcolLTRfootfmt{#1}%
13629 \color@endgroup}%
13630 \m@m@mmf@prepare}
13631 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13632   \global\setbox\@mpfootinsv@r\vbox{%
13633     \unvbox\@mpfootinsv@r
13634     \RTLtrue
13635     \def\baselinestretch{\m@m@footnote@spacing}%
13636     \reset@font\RTLfoottextfont
13637     \hsize\columnwidth \@parboxrestore
13638     \protected@edef\@currentlabel{%
13639       \csname p@mpfootnote\endcsname\@thefnmark}%
13640     \color@begingroup
13641       \@sixcolRTLfootfmt{#1}%
13642     \color@endgroup}%
13643     \m@m@mmf@prepare}
13644 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13645   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13646   \global\setbox\@mpfootinsv@r\vbox{%
13647     \unvbox\@mpfootinsv@r
13648     \RTLtrue
13649     \def\baselinestretch{\m@m@footnote@spacing}%
13650     \reset@font\RTLfoottextfont
13651     \hsize\columnwidth \@parboxrestore
13652     \protected@edef\@currentlabel{%
13653       \csname p@mpfootnote\endcsname\@thefnmark}%
13654     \color@begingroup
13655       \@sixcolRTLfootfmt{#1}%
13656     \color@endgroup}%
13657     \m@m@mmf@prepare}
13658 \bidi@ensure@newcommand{\@m@make@sixcol@footgroup}[1]{%
13659   \@namedef{@sixcol@footgroup#1}{%
13660     \def\baselinestretch{\m@m@footnote@spacing}%
13661     \hsize\bidi@columnwidth
13662     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13663     \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
13664 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13665   \@namedef{@sixcol@LTRfootgroup#1}{%
13666     \def\baselinestretch{\m@m@footnote@spacing}%
13667     \hsize\bidi@columnwidth
13668     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13669     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}
13670 \bidi@ensure@newcommand{\@m@make@mpsixcol@footgroup}[1]{%
13671   \@namedef{@mpsixcol@footgroup#1}{%
13672     \def\baselinestretch{\m@m@footnote@spacing}%
13673     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13674     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}
13675 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%

```



```

13676 \@namedef{@mpsixcol@LTRfootgroup#1}{%
13677 \def\baselinestretch{\m@m@footnote@spacing}%
13678 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13679 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}
13680 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13681 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13682 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13683 \@bidi@before@Hy@hyperfootnotes
13684 \let\@footnotetext\@sevendcolfootnotetext
13685 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13686 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13687 \dimen\footinsv@r=7\footinsdim
13688 \count\footinsv@r=142\relax
13689 \m@make@sevendcol@footgroup{v@r}%
13690 \let\@footgroupv@r\@sevendcol@footgroupv@r
13691 \dimen\footinsv@l=7\footinsdim
13692 \count\footinsv@l=142\relax
13693 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13694 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13695 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13696 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13697 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13698 \@bidi@after@Hy@hyperfootnotes
13699 \m@make@mpsevendcol@footgroup{v@r}%
13700 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13701 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13702 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13703 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13704 }
13705 \newcommand{\SevenColumnFootnotes}{%
13706 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13707 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13708 \@bidi@before@Hy@hyperfootnotes
13709 \let\@footnotetext\@SevenColfootnotetext
13710 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13711 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13712 \dimen\footinsv@r=7\footinsdim
13713 \count\footinsv@r=142\relax
13714 \m@make@sevendcol@footgroup{v@r}%
13715 \let\@footgroupv@r\@sevendcol@footgroupv@r
13716 \dimen\footinsv@l=7\footinsdim
13717 \count\footinsv@l=142\relax
13718 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13719 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13720 \let\@mpfootnotetext\@mpSevenColfootnotetext
13721 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13722 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13723 \@bidi@after@Hy@hyperfootnotes
13724 \m@make@mpsevendcol@footgroup{v@r}%
13725 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13726 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13727 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13728 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13729 }

```




```

13730 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert
13731   \if@RTL@footnote
13732     \footinsv@r
13733   \else
13734     \footinsv@l
13735   \fi
13736 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13737  \def\baselinestretch{\m@m@footnote@spacing}%
13738  \reset@font\foottextfont
13739  \@preamfntext
13740  \protected@edef\@currentlabel{%
13741    \csname p@footnote\endcsname\@thefnmark}%
13742  \color@begingroup
13743    \@sevendcolfootfmt{#1}%
13744  \color@endgroup}%
13745  \m@mmf@prepare}
13746 \newcommand{\@SevenColfootnotetext}[1]{%
13747  \bidi@step@absolute@footnote@count
13748  \if@RTL@footnote
13749    \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13750  \else
13751    \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13752  \fi
13753  \global\setbox
13754  \if@RTL@footnote
13755    \footinsv@r
13756  \else
13757    \footinsv@l
13758  \fi
13759  \vbox{%
13760    \unvbox
13761    \if@RTL@footnote
13762      \footinsv@r
13763    \else
13764      \footinsv@l
13765    \fi
13766    \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13767    \def\baselinestretch{\m@m@footnote@spacing}%
13768    \reset@font\foottextfont
13769    \@preamfntext
13770    \protected@edef\@currentlabel{%
13771      \csname p@footnote\endcsname\@thefnmark}%
13772    \color@begingroup
13773      \@sevendcolfootfmt{#1}%
13774    \color@endgroup}%
13775    \m@mmf@prepare
13776    \if@RTL@footnote
13777      \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13778    \else
13779      \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13780    \fi
13781  }
13782 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13783  \def\baselinestretch{\m@m@footnote@spacing}%

```



```

13784 \reset@font\LTRfoottextfont
13785 \@preamfntext
13786 \protected@edef\@currentlabel{%
13787   \csname p@footnote\endcsname\@thefnmark}%
13788 \color@begingroup
13789   \@sevencolLTRfootfmt{#1}%
13790 \color@endgroup}%
13791 \m@mmf@prepare}
13792 \newcommand{\@SevenColLTRfootnotetext}[1]{%
13793   \bidi@step@absolute@footnote@count
13794   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13795   \global\setbox\footinsv@l\vbox{%
13796     \unvbox\footinsv@l
13797     \@RTLfalse
13798     \def\baselinestretch{\m@m@footnote@spacing}%
13799   \reset@font\LTRfoottextfont
13800   \@preamfntext
13801   \protected@edef\@currentlabel{%
13802     \csname p@footnote\endcsname\@thefnmark}%
13803   \color@begingroup
13804     \@sevencolLTRfootfmt{#1}%
13805   \color@endgroup}%
13806   \m@mmf@prepare
13807   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13808 }
13809 \bidi@ensure@newcommand{\@sevencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13810   \def\baselinestretch{\m@m@footnote@spacing}%
13811   \reset@font\RTLfoottextfont
13812   \@preamfntext
13813   \protected@edef\@currentlabel{%
13814     \csname p@footnote\endcsname\@thefnmark}%
13815   \color@begingroup
13816     \@sevencolRTLfootfmt{#1}%
13817   \color@endgroup}%
13818   \m@mmf@prepare}
13819 \newcommand{\@SevenColRTLfootnotetext}[1]{%
13820   \bidi@step@absolute@footnote@count
13821   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13822   \global\setbox\footinsv@r\vbox{%
13823     \unvbox\footinsv@r
13824     \@RTLtrue
13825     \def\baselinestretch{\m@m@footnote@spacing}%
13826   \reset@font\RTLfoottextfont
13827   \@preamfntext
13828   \protected@edef\@currentlabel{%
13829     \csname p@footnote\endcsname\@thefnmark}%
13830   \color@begingroup
13831     \@sevencolRTLfootfmt{#1}%
13832   \color@endgroup}%
13833   \m@mmf@prepare
13834   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13835 }
13836 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13837   \hspace .142\hspace

```



```

13838 \parindent=\z@
13839 \tolerance=5000\relax
13840 \leavevmode}
13841 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
13842 \@preamsevenfmt
13843 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13844 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
13845 \@preamsevenfmt
13846 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13847 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
13848 \@preamsevenfmt
13849 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13850 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{%
13851 \global\setbox
13852 \if@RTL@footnote
13853 \@mpfootinsv@r
13854 \else
13855 \@mpfootinsv@l
13856 \fi
13857 \vbox{%
13858 \unvbox
13859 \if@RTL@footnote
13860 \@mpfootinsv@r
13861 \else
13862 \@mpfootinsv@l
13863 \fi
13864 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13865 \def\baselinestretch{\m@m@footnote@spacing}%
13866 \reset@font\foottextfont
13867 \hsize\columnwidth \@parboxrestore
13868 \protected@edef\@currentlabel{%
13869 \csname p@mpfootnote\endcsname\@thefnmark}%
13870 \color@begingroup
13871 \@sevendcolfootfmt{#1}%
13872 \color@endgroup}%
13873 \m@m@mf@prepare}
13874 \newcommand{\@mpSevenColfootnotetext}[1]{%
13875 \if@RTL@footnote
13876 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13877 \else
13878 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13879 \fi
13880 \global\setbox
13881 \if@RTL@footnote
13882 \@mpfootinsv@r
13883 \else
13884 \@mpfootinsv@l
13885 \fi
13886 \vbox{%
13887 \unvbox
13888 \if@RTL@footnote
13889 \@mpfootinsv@r
13890 \else
13891 \@mpfootinsv@l

```



```

13892 \fi
13893 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
13894 \def\baselinestretch{\m@m@footnote@spacing}%
13895 \reset@font\foottextfont
13896 \hsize\columnwidth \@parboxrestore
13897 \protected@edef\@currentlabel{%
13898   \csname p@mpfootnote\endcsname\@thefnmark}%
13899 \color@begingroup
13900   \@sevendcolfootfmt{#1}%
13901 \color@endgroup}%
13902 \m@m@mmf@prepare}
13903 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{%
13904   \global\setbox\@mpfootinsv@l\vbox{%
13905     \unvbox\@mpfootinsv@l
13906     \@RTLfalse
13907     \def\baselinestretch{\m@m@footnote@spacing}%
13908     \reset@font\LTRfoottextfont
13909     \hsize\columnwidth \@parboxrestore
13910     \protected@edef\@currentlabel{%
13911       \csname p@mpfootnote\endcsname\@thefnmark}%
13912     \color@begingroup
13913       \@sevendcolLTRfootfmt{#1}%
13914     \color@endgroup}%
13915     \m@m@mmf@prepare}
13916 \newcommand{\@mpSevenColLTRfootnotetext}[1]{%
13917   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13918   \global\setbox\@mpfootinsv@l\vbox{%
13919     \unvbox\@mpfootinsv@l
13920     \@RTLfalse
13921     \def\baselinestretch{\m@m@footnote@spacing}%
13922     \reset@font\LTRfoottextfont
13923     \hsize\columnwidth \@parboxrestore
13924     \protected@edef\@currentlabel{%
13925       \csname p@mpfootnote\endcsname\@thefnmark}%
13926     \color@begingroup
13927       \@sevendcolLTRfootfmt{#1}%
13928     \color@endgroup}%
13929     \m@m@mmf@prepare}
13930 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{%
13931   \global\setbox\@mpfootinsv@r\vbox{%
13932     \unvbox\@mpfootinsv@r
13933     \@RTLtrue
13934     \def\baselinestretch{\m@m@footnote@spacing}%
13935     \reset@font\RTLfoottextfont
13936     \hsize\columnwidth \@parboxrestore
13937     \protected@edef\@currentlabel{%
13938       \csname p@mpfootnote\endcsname\@thefnmark}%
13939     \color@begingroup
13940       \@sevendcolRTLfootfmt{#1}%
13941     \color@endgroup}%
13942     \m@m@mmf@prepare}
13943 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13944   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13945   \global\setbox\@mpfootinsv@r\vbox{%

```



```

13946 \unvbox\@mpfootinsv@r
13947 \@RTLtrue
13948 \def\baselinestretch{\m@m@footnote@spacing}%
13949 \reset@font\RTLfoottextfont
13950 \hsize\columnwidth \@parboxrestore
13951 \protected@edef\@currentlabel{%
13952   \csname p@mpfootnote\endcsname\@thefnmark}%
13953 \color@begingroup
13954 \@sevenscolRTLfootfmt{#1}%
13955 \color@endgroup}%
13956 \m@mmf@prepare}
13957 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13958   \@namedef{@sevenscol@footgroup#1}{%
13959     \def\baselinestretch{\m@m@footnote@spacing}%
13960     \hsize\bidi@columnwidth
13961     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13962     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13963 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
13964   \@namedef{@sevenscol@LTRfootgroup#1}{%
13965     \def\baselinestretch{\m@m@footnote@spacing}%
13966     \hsize\bidi@columnwidth
13967     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13968     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13969 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
13970   \@namedef{@mpsevenscol@footgroup#1}{%
13971     \def\baselinestretch{\m@m@footnote@spacing}%
13972     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13973     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13974 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
13975   \@namedef{@mpsevenscol@LTRfootgroup#1}{%
13976     \def\baselinestretch{\m@m@footnote@spacing}%
13977     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13978     \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13979 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
13980   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13981   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13982   \@bidi@before@Hy@hyperfootnotes
13983   \let\@footnotetext\@eightcolfootnotetext
13984   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
13985   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
13986   \dimen\footinsv@r=8\footinsdim
13987   \count\footinsv@r=125\relax
13988   \m@make@eightcol@footgroup{v@r}%
13989   \let\@footgroupv@r\@eightcol@footgroupv@r
13990   \dimen\footinsv@l=8\footinsdim
13991   \count\footinsv@l=125\relax
13992   \bidi@make@eightcol@LTRfootgroup{v@l}%
13993   \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13994   \let\@mpfootnotetext\@mpeightcolfootnotetext
13995   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
13996   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
13997   \@bidi@after@Hy@hyperfootnotes
13998   \m@make@mpeightcol@footgroup{v@r}%
13999   \let\@mp@footgroupv@r\@mpeightcol@footgroupv@r

```



```

14000 \bidi@make@mp@eightcol@LTRfootgroup{v@1}%
14001 \let@mp@LTRfootgroupv@1\@mp@eightcol@LTRfootgroupv@1
14002 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14003 }
14004 \newcommand{\EightColumnFootnotes}{%
14005 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14006 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14007 \@bidi@before@Hy@hyperfootnotes
14008 \let\@footnotetext\@EightColfootnotetext
14009 \let\@LTRfootnotetext\@EightColLTRfootnotetext
14010 \let\@RTLfootnotetext\@EightColRTLfootnotetext
14011 \dimen\footinsv@r=8\footinsdim
14012 \count\footinsv@r=125\relax
14013 \m@make@eightcol@footgroup{v@r}%
14014 \let\@footgroupv@r\@eightcol@footgroupv@r
14015 \dimen\footinsv@l=8\footinsdim
14016 \count\footinsv@l=125\relax
14017 \bidi@make@eightcol@LTRfootgroup{v@1}%
14018 \let\@LTRfootgroupv@1\@eightcol@LTRfootgroupv@1
14019 \let\@mpfootnotetext\@mp@EightColfootnotetext
14020 \let\@mpLTRfootnotetext\@mp@EightColLTRfootnotetext
14021 \let\@mpRTLfootnotetext\@mp@EightColRTLfootnotetext
14022 \@bidi@after@Hy@hyperfootnotes
14023 \m@make@mp@eightcol@footgroup{v@r}%
14024 \let@mp@footgroupv@r\@mp@eightcol@footgroupv@r
14025 \bidi@make@mp@eightcol@LTRfootgroup{v@1}%
14026 \let@mp@LTRfootgroupv@1\@mp@eightcol@LTRfootgroupv@1
14027 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14028 }
14029 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
14030 \if@RTL@footnote
14031 \footinsv@r
14032 \else
14033 \footinsv@l
14034 \fi
14035 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14036 \def\baselinestretch{\m@mm@footnote@spacing}%
14037 \reset@font\foottextfont
14038 \@preamfntext
14039 \protected@edef\@currentlabel{%
14040 \csname p@footnote\endcsname\@thefnmark}%
14041 \color@begingroup
14042 \@eightcolfootfmt{#1}%
14043 \color@endgroup}%
14044 \m@mmf@prepare}
14045 \newcommand{\@EightColfootnotetext}[1]{%
14046 \bidi@step@absolute@footnote@count
14047 \if@RTL@footnote
14048 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
14049 \else
14050 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14051 \fi
14052 \global\setbox
14053 \if@RTL@footnote

```



```

14054 \footinsv@r
14055 \else
14056 \footinsv@l
14057 \fi
14058 \vbox{%
14059 \unvbox
14060 \if@RTL@footnote
14061 \footinsv@r
14062 \else
14063 \footinsv@l
14064 \fi
14065 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14066 \def\baselinestretch{\m@m@footnote@spacing}%
14067 \reset@font\foottextfont
14068 \@preamfntext
14069 \protected@edef\@currentlabel{%
14070 \csname p@footnote\endcsname\@thefnmark}%
14071 \color@begingroup
14072 \@eightcolfootfmt{#1}%
14073 \color@endgroup}%
14074 \m@mmf@prepare
14075 \if@RTL@footnote
14076 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14077 \else
14078 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14079 \fi
14080 }
14081 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14082 \def\baselinestretch{\m@m@footnote@spacing}%
14083 \reset@font\LTRfoottextfont
14084 \@preamfntext
14085 \protected@edef\@currentlabel{%
14086 \csname p@footnote\endcsname\@thefnmark}%
14087 \color@begingroup
14088 \@eightcolLTRfootfmt{#1}%
14089 \color@endgroup}%
14090 \m@mmf@prepare}
14091 \newcommand{\@EightColLTRfootnotetext}[1]{%
14092 \bidi@step@absolute@footnote@count
14093 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14094 \global\setbox\footinsv@l\vbox{%
14095 \unvbox\footinsv@l
14096 \@RTLfalse
14097 \def\baselinestretch{\m@m@footnote@spacing}%
14098 \reset@font\LTRfoottextfont
14099 \@preamfntext
14100 \protected@edef\@currentlabel{%
14101 \csname p@footnote\endcsname\@thefnmark}%
14102 \color@begingroup
14103 \@eightcolLTRfootfmt{#1}%
14104 \color@endgroup}%
14105 \m@mmf@prepare
14106 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14107 }

```



```

14108 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14109 \def\baselinestretch{\m@m@footnote@spacing}%
14110 \reset@font\RTLfoottextfont
14111 \@preamfntext
14112 \protected@edef\@currentlabel{%
14113 \csname p@footnote\endcsname\@thefnmark}%
14114 \color@begingroup
14115 \@eightcolRTLfootfmt{#1}%
14116 \color@endgroup}%
14117 \m@mmf@prepare}
14118 \newcommand{\@EightColRTLfootnotetext}[1]{%
14119 \bidi@step@absolute@footnote@count
14120 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14121 \global\setbox\footinsv@r\vbox{%
14122 \unvbox\footinsv@r
14123 \@RTLtrue%
14124 \def\baselinestretch{\m@m@footnote@spacing}%
14125 \reset@font\RTLfoottextfont
14126 \@preamfntext
14127 \protected@edef\@currentlabel{%
14128 \csname p@footnote\endcsname\@thefnmark}%
14129 \color@begingroup
14130 \@eightcolRTLfootfmt{#1}%
14131 \color@endgroup}%
14132 \m@mmf@prepare
14133 \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
14134 }
14135 \bidi@ensure@newcommand{\@preameightfmt}{%
14136 \hsize .125\hsize
14137 \parindent=\z@
14138 \tolerance=5000\relax
14139 \leavevmode}
14140 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14141 \@preameightfmt
14142 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14143 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
14144 \@preameightfmt
14145 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14146 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14147 \@preameightfmt
14148 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14149 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14150 \global\setbox
14151 \if@RTL@footnote
14152 \mpfootinsv@r
14153 \else
14154 \mpfootinsv@l
14155 \fi
14156 \vbox{%
14157 \unvbox
14158 \if@RTL@footnote
14159 \mpfootinsv@r
14160 \else
14161 \mpfootinsv@l

```




```

14162 \fi
14163 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14164 \def\baselinestretch{\m@m@footnote@spacing}%
14165 \reset@font\foottextfont
14166 \hsize\columnwidth \@parboxrestore
14167 \protected@edef\@currentlabel{%
14168 \csname p@mpfootnote\endcsname\@thefnmark}%
14169 \color@begingroup
14170 \@eightcolfootfmt{#1}%
14171 \color@endgroup}%
14172 \m@m@mmf@prepare}
14173 \newcommand{\@mpEightColfootnotetext}[1]{%
14174 \ifRTL@footnote
14175 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14176 \else
14177 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14178 \fi
14179 \global\setbox
14180 \ifRTL@footnote
14181 \@mpfootinsv@r
14182 \else
14183 \@mpfootinsv@l
14184 \fi
14185 \vbox{%
14186 \unvbox
14187 \ifRTL@footnote
14188 \@mpfootinsv@r
14189 \else
14190 \@mpfootinsv@l
14191 \fi
14192 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14193 \def\baselinestretch{\m@m@footnote@spacing}%
14194 \reset@font\foottextfont
14195 \hsize\columnwidth \@parboxrestore
14196 \protected@edef\@currentlabel{%
14197 \csname p@mpfootnote\endcsname\@thefnmark}%
14198 \color@begingroup
14199 \@eightcolfootfmt{#1}%
14200 \color@endgroup}%
14201 \m@m@mmf@prepare}
14202 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14203 \global\setbox\@mpfootinsv@l\vbox{%
14204 \unvbox\@mpfootinsv@l
14205 \@RTLfalse
14206 \def\baselinestretch{\m@m@footnote@spacing}%
14207 \reset@font\LTRfoottextfont
14208 \hsize\columnwidth \@parboxrestore
14209 \protected@edef\@currentlabel{%
14210 \csname p@mpfootnote\endcsname\@thefnmark}%
14211 \color@begingroup
14212 \@eightcolLTRfootfmt{#1}%
14213 \color@endgroup}%
14214 \m@m@mmf@prepare}
14215 \newcommand{\@mpEightColLTRfootnotetext}[1]{%

```



```

14216 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14217 \global\setbox\@mpfootinsv@l\vbox{%
14218 \unvbox\@mpfootinsv@l
14219 \@RTLfalse
14220 \def\baselinestretch{\m@m@footnote@spacing}%
14221 \reset@font\LTRfoottextfont
14222 \hsize\columnwidth \@parboxrestore
14223 \protected@edef\@currentlabel{%
14224 \csname p@mpfootnote\endcsname\@thefnmark}%
14225 \color@begingroup
14226 \@eightcolLTRfootfmt{#1}%
14227 \color@endgroup}%
14228 \m@mmf@prepare}
14229 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
14230 \global\setbox\@mpfootinsv@r\vbox{%
14231 \unvbox\@mpfootinsv@r
14232 \@RTLtrue
14233 \def\baselinestretch{\m@m@footnote@spacing}%
14234 \reset@font\RTLfoottextfont
14235 \hsize\columnwidth \@parboxrestore
14236 \protected@edef\@currentlabel{%
14237 \csname p@mpfootnote\endcsname\@thefnmark}%
14238 \color@begingroup
14239 \@eightcolRTLfootfmt{#1}%
14240 \color@endgroup}%
14241 \m@mmf@prepare}
14242 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14243 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14244 \global\setbox\@mpfootinsv@r\vbox{%
14245 \unvbox\@mpfootinsv@r
14246 \@RTLtrue
14247 \def\baselinestretch{\m@m@footnote@spacing}%
14248 \reset@font\RTLfoottextfont
14249 \hsize\columnwidth \@parboxrestore
14250 \protected@edef\@currentlabel{%
14251 \csname p@mpfootnote\endcsname\@thefnmark}%
14252 \color@begingroup
14253 \@eightcolRTLfootfmt{#1}%
14254 \color@endgroup}%
14255 \m@mmf@prepare}
14256 \bidi@ensure@newcommand{\@mmake@eightcol@footgroup}[1]{%
14257 \@namedef{@eightcol@footgroup#1}{%
14258 \def\baselinestretch{\m@m@footnote@spacing}%
14259 \hsize\bidi@columnwidth
14260 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14261 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}
14262 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14263 \@namedef{@eightcol@LTRfootgroup#1}{%
14264 \def\baselinestretch{\m@m@footnote@spacing}%
14265 \hsize\bidi@columnwidth
14266 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14267 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}
14268 \bidi@ensure@newcommand{\@mmake@mpeightcol@footgroup}[1]{%
14269 \@namedef{@mpeightcol@footgroup#1}{%

```



```

14270 \def\baselinestretch{\m@m@footnote@spacing}%
14271 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14272 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}
14273 \newcommand{\bidi@make@mp@eightcol@LTRfootgroup}[1]{%
14274 \@namedef{@mp@eightcol@LTRfootgroup#1}{%
14275 \def\baselinestretch{\m@m@footnote@spacing}%
14276 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14277 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}
14278 \bidi@ensure@newcommand{\nincolumnfootnotes}{%
14279 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14280 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14281 \@bidi@before@Hy@hyperfootnotes
14282 \let@footnotetext@nincolfootnotetext
14283 \let@LTRfootnotetext@nincolLTRfootnotetext
14284 \let@RTLfootnotetext@nincolRTLfootnotetext
14285 \dimen\footinsv@r=9\footinsdim
14286 \count\footinsv@r=111\relax
14287 \m@make@nincol@footgroup{v@r}%
14288 \let@footgroupv@r@nincol@footgroupv@r
14289 \dimen\footinsv@l=9\footinsdim
14290 \count\footinsv@l=111\relax
14291 \bidi@make@nincol@LTRfootgroup{v@l}%
14292 \let@LTRfootgroupv@l@nincol@LTRfootgroupv@l
14293 \let@mpfootnotetext@mpnincolfootnotetext
14294 \let@mpLTRfootnotetext@mpnincolLTRfootnotetext
14295 \let@mpRTLfootnotetext@mpnincolRTLfootnotetext
14296 \@bidi@after@Hy@hyperfootnotes
14297 \m@make@mpnincol@footgroup{v@r}%
14298 \let@mp@footgroupv@r@mpnincol@footgroupv@r
14299 \bidi@make@mpnincol@LTRfootgroup{v@l}%
14300 \let@mp@LTRfootgroupv@l@mpnincol@LTRfootgroupv@l
14301 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14302 }
14303 \newcommand{\NineColumnFootnotes}{%
14304 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14305 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14306 \@bidi@before@Hy@hyperfootnotes
14307 \let@footnotetext@NineColfootnotetext
14308 \let@LTRfootnotetext@NineColLTRfootnotetext
14309 \let@RTLfootnotetext@NineColRTLfootnotetext
14310 \dimen\footinsv@r=9\footinsdim
14311 \count\footinsv@r=111\relax
14312 \m@make@nincol@footgroup{v@r}%
14313 \let@footgroupv@r@nincol@footgroupv@r
14314 \dimen\footinsv@l=9\footinsdim
14315 \count\footinsv@l=111\relax
14316 \bidi@make@nincol@LTRfootgroup{v@l}%
14317 \let@LTRfootgroupv@l@nincol@LTRfootgroupv@l
14318 \let@mpfootnotetext@mpNineColfootnotetext
14319 \let@mpLTRfootnotetext@mpNineColLTRfootnotetext
14320 \let@mpRTLfootnotetext@mpNineColRTLfootnotetext
14321 \@bidi@after@Hy@hyperfootnotes
14322 \m@make@mpnincol@footgroup{v@r}%
14323 \let@mp@footgroupv@r@mpnincol@footgroupv@r

```



```

14324 \bidi@make@mpninecol@LTRfootgroup{v@1}%
14325 \let\mp@LTRfootgroupv@1\@mpninecol@LTRfootgroupv@1
14326 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14327 }
14328 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert
14329 \if@RTL@footnote
14330 \footinsv@r
14331 \else
14332 \footinsv@l
14333 \fi
14334 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14335 \def\baselinestretch{\m@m@footnote@spacing}%
14336 \reset@font\foottextfont
14337 \@preamfntext
14338 \protected@edef\@currentlabel{%
14339 \csname p@footnote\endcsname\@thefnmark}%
14340 \color@begingroup
14341 \@ninecolfootfmt{#1}%
14342 \color@endgroup}%
14343 \m@mmf@prepare}
14344 \newcommand{\@NineColfootnotetext}[1]{%
14345 \bidi@step@absolute@footnote@count
14346 \if@RTL@footnote
14347 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14348 \else
14349 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14350 \fi
14351 \global\setbox
14352 \if@RTL@footnote
14353 \footinsv@r
14354 \else
14355 \footinsv@l
14356 \fi
14357 \vbox{%
14358 \unvbox
14359 \if@RTL@footnote
14360 \footinsv@r
14361 \else
14362 \footinsv@l
14363 \fi
14364 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14365 \def\baselinestretch{\m@m@footnote@spacing}%
14366 \reset@font\foottextfont
14367 \@preamfntext
14368 \protected@edef\@currentlabel{%
14369 \csname p@footnote\endcsname\@thefnmark}%
14370 \color@begingroup
14371 \@ninecolfootfmt{#1}%
14372 \color@endgroup}%
14373 \m@mmf@prepare
14374 \if@RTL@footnote
14375 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14376 \else
14377 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l

```



```

14378 \fi
14379 }
14380 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@1{\@RTLfalse%
14381 \def\baselinestretch{\m@m@footnote@spacing}%
14382 \reset@font\LTRfoottextfont
14383 \@preamfntext
14384 \protected@edef\@currentlabel{%
14385 \csname p@footnote\endcsname\@thefnmark}%
14386 \color@begingroup
14387 \@ninecolLTRfootfmt{#1}%
14388 \color@endgroup}%
14389 \m@mmf@prepare}
14390 \newcommand{\@NineColLTRfootnotetext}[1]{%
14391 \bidi@step@absolute@footnote@count
14392 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14393 \global\setbox\footinsv@1\vbox{%
14394 \unvbox\footinsv@1
14395 \@RTLfalse
14396 \def\baselinestretch{\m@m@footnote@spacing}%
14397 \reset@font\LTRfoottextfont
14398 \@preamfntext
14399 \protected@edef\@currentlabel{%
14400 \csname p@footnote\endcsname\@thefnmark}%
14401 \color@begingroup
14402 \@ninecolLTRfootfmt{#1}%
14403 \color@endgroup}%
14404 \m@mmf@prepare
14405 \bidi@reinsertfinalfootnoteperpage\footinsv@1\@footstartv@1\@LTRfootgroupv@1
14406 }
14407 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14408 \def\baselinestretch{\m@m@footnote@spacing}%
14409 \reset@font\RTLfoottextfont
14410 \@preamfntext
14411 \protected@edef\@currentlabel{%
14412 \csname p@footnote\endcsname\@thefnmark}%
14413 \color@begingroup
14414 \@ninecolRTLfootfmt{#1}%
14415 \color@endgroup}%
14416 \m@mmf@prepare}
14417 \newcommand{\@NineColRTLfootnotetext}[1]{%
14418 \bidi@step@absolute@footnote@count
14419 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
14420 \global\setbox\footinsv@r\vbox{%
14421 \unvbox\footinsv@r
14422 \@RTLtrue
14423 \def\baselinestretch{\m@m@footnote@spacing}%
14424 \reset@font\RTLfoottextfont
14425 \@preamfntext
14426 \protected@edef\@currentlabel{%
14427 \csname p@footnote\endcsname\@thefnmark}%
14428 \color@begingroup
14429 \@ninecolRTLfootfmt{#1}%
14430 \color@endgroup}%
14431 \m@mmf@prepare

```



```

14432 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14433 }
14434 \bidi@ensure@newcommand{\@preamninefmt}{%
14435 \hspace .1\hspace
14436 \parindent=\z@
14437 \tolerance=5000\relax
14438 \leavevmode}
14439 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
14440 \@preamninefmt
14441 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14442 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14443 \@preamninefmt
14444 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14445 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14446 \@preamninefmt
14447 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14448 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14449 \global\setbox
14450 \if@RTL@footnote
14451 \@mpfootinsv@r
14452 \else
14453 \@mpfootinsv@l
14454 \fi
14455 \vbox{%
14456 \unvbox
14457 \if@RTL@footnote
14458 \@mpfootinsv@r
14459 \else
14460 \@mpfootinsv@l
14461 \fi
14462 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14463 \def\baselinestretch{\m@mm@footnote@spacing}%
14464 \reset@font\foottextfont
14465 \hspace\columnwidth \@parboxrestore
14466 \protected@edef\@currentlabel{%
14467 \csname p@mpfootnote\endcsname\@thefnmark}%
14468 \color@begingroup
14469 \@ninecolfootfmt{#1}%
14470 \color@endgroup}%
14471 \m@mmf@prepare}
14472 \newcommand{\@mpNineColfootnotetext}[1]{%
14473 \if@RTL@footnote
14474 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14475 \else
14476 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14477 \fi
14478 \global\setbox
14479 \if@RTL@footnote
14480 \@mpfootinsv@r
14481 \else
14482 \@mpfootinsv@l
14483 \fi
14484 \vbox{%
14485 \unvbox

```



```

14486 \if@RTL@footnote
14487 \@mpfootinsv@r
14488 \else
14489 \@mpfootinsv@l
14490 \fi
14491 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14492 \def\baselinestretch{\m@m@footnote@spacing}%
14493 \reset@font\foottextfont
14494 \hsize\columnwidth \@parboxrestore
14495 \protected@edef\@currentlabel{%
14496 \csname p@mpfootnote\endcsname\@thefnmark}%
14497 \color@begingroup
14498 \@ninecolfootfmt{#1}%
14499 \color@endgroup}%
14500 \m@mmf@prepare}
14501 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
14502 \global\setbox\@mpfootinsv@l\vbox{%
14503 \unvbox\@mpfootinsv@l
14504 \@RTLfalse
14505 \def\baselinestretch{\m@m@footnote@spacing}%
14506 \reset@font\LTRfoottextfont
14507 \hsize\columnwidth \@parboxrestore
14508 \protected@edef\@currentlabel{%
14509 \csname p@mpfootnote\endcsname\@thefnmark}%
14510 \color@begingroup
14511 \@ninecolLTRfootfmt{#1}%
14512 \color@endgroup}%
14513 \m@mmf@prepare}
14514 \newcommand{\@mpNineColLTRfootnotetext}[1]{%
14515 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14516 \global\setbox\@mpfootinsv@l\vbox{%
14517 \unvbox\@mpfootinsv@l
14518 \@RTLfalse
14519 \def\baselinestretch{\m@m@footnote@spacing}%
14520 \reset@font\LTRfoottextfont
14521 \hsize\columnwidth \@parboxrestore
14522 \protected@edef\@currentlabel{%
14523 \csname p@mpfootnote\endcsname\@thefnmark}%
14524 \color@begingroup
14525 \@ninecolLTRfootfmt{#1}%
14526 \color@endgroup}%
14527 \m@mmf@prepare}
14528 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14529 \global\setbox\@mpfootinsv@r\vbox{%
14530 \unvbox\@mpfootinsv@r
14531 \@RTLtrue
14532 \def\baselinestretch{\m@m@footnote@spacing}%
14533 \reset@font\RTLfoottextfont
14534 \hsize\columnwidth \@parboxrestore
14535 \protected@edef\@currentlabel{%
14536 \csname p@mpfootnote\endcsname\@thefnmark}%
14537 \color@begingroup
14538 \@ninecolRTLfootfmt{#1}%
14539 \color@endgroup}%

```



```

14540 \m@mmf@prepare}
14541 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14542 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
14543 \global\setbox\@mpfootinsv@r\vbox{%
14544 \unvbox\@mpfootinsv@r
14545 \@RTLtrue
14546 \def\baselinestretch{\m@m@footnote@spacing}%
14547 \reset@font\RTLfoottextfont
14548 \hsize\columnwidth \@parboxrestore
14549 \protected@edef\@currentlabel{%
14550 \csname p@mpfootnote\endcsname\@thefnmark}%
14551 \color@begingroup
14552 \@ninecolRTLfootfmt{#1}%
14553 \color@endgroup}%
14554 \m@mmf@prepare}
14555 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14556 \@namedef{@ninecol@footgroup#1}{%
14557 \def\baselinestretch{\m@m@footnote@spacing}%
14558 \hsize\bidi@columnwidth
14559 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14560 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}
14561 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14562 \@namedef{@ninecol@LTRfootgroup#1}{%
14563 \def\baselinestretch{\m@m@footnote@spacing}%
14564 \hsize\bidi@columnwidth
14565 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14566 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}
14567 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14568 \@namedef{@mpninecol@footgroup#1}{%
14569 \def\baselinestretch{\m@m@footnote@spacing}%
14570 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14571 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}
14572 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
14573 \@namedef{@mpninecol@LTRfootgroup#1}{%
14574 \def\baselinestretch{\m@m@footnote@spacing}%
14575 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14576 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}
14577 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14578 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14579 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14580 \@bidi@before@Hy@hyperfootnotes
14581 \let\@footnotetext\@tencolfootnotetext
14582 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14583 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14584 \dimen\footinsv@r=10\footinsdim
14585 \count\footinsv@r=100\relax
14586 \m@make@tencol@footgroup{v@r}%
14587 \let\@footgroupv@r\@tencol@footgroupv@r
14588 \dimen\footinsv@l=10\footinsdim
14589 \count\footinsv@l=100\relax
14590 \bidi@make@tencol@LTRfootgroup{v@l}%
14591 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14592 \let\@mpfootnotetext\@mptencolfootnotetext
14593 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext

```




```

14594 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14595 \@bidi@after@Hy@hyperfootnotes
14596 \m@make@mptencol@footgroup{v@r}%
14597 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14598 \bidi@make@mptencol@LTRfootgroup{v@l}%
14599 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14600 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14601 }
14602 \newcommand{\TenColumnFootnotes}{%
14603 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14604 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14605 \@bidi@before@Hy@hyperfootnotes
14606 \let\@footnotetext\@TenColfootnotetext
14607 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14608 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14609 \dimen\footinsv@r=10\footinsdim
14610 \count\footinsv@r=100\relax
14611 \m@make@tencol@footgroup{v@r}%
14612 \let\@footgroupv@r\@tencol@footgroupv@r
14613 \dimen\footinsv@l=10\footinsdim
14614 \count\footinsv@l=100\relax
14615 \bidi@make@tencol@LTRfootgroup{v@l}%
14616 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14617 \let\@mpfootnotetext\@mpTenColfootnotetext
14618 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14619 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14620 \@bidi@after@Hy@hyperfootnotes
14621 \m@make@mptencol@footgroup{v@r}%
14622 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14623 \bidi@make@mptencol@LTRfootgroup{v@l}%
14624 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14625 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14626 }
14627 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14628 \if@RTL@footnote
14629 \footinsv@r
14630 \else
14631 \footinsv@l
14632 \fi
14633 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14634 \def\baselinestretch{\m@m@footnote@spacing}%
14635 \reset@font\foottextfont
14636 \@preamfntext
14637 \protected@edef\@currentlabel{%
14638 \csname p@footnote\endcsname\@thefnmark}%
14639 \color@begingroup
14640 \@tencolfootfmt{#1}%
14641 \color@endgroup}%
14642 \m@m@mf@prepare}
14643 \newcommand{\@TenColfootnotetext}[1]{%
14644 \bidi@step@absolutefootnote@count
14645 \if@RTL@footnote
14646 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14647 \else

```



```

14648     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14649     \fi
14650     \global\setbox
14651     \if@RTL@footnote
14652     \footinsv@r
14653     \else
14654     \footinsv@l
14655     \fi
14656 \vbox{%
14657     \unvbox
14658     \if@RTL@footnote
14659     \footinsv@r
14660     \else
14661     \footinsv@l
14662     \fi
14663     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14664     \def\baselinestretch{\m@m@footnote@spacing}%
14665     \reset@font\foottextfont
14666     \@preamfntext
14667     \protected@edef\@currentlabel{%
14668     \csname p@footnote\endcsname\@thefnmark}%
14669     \color@begingroup
14670     \@tencolfootfmt{#1}%
14671     \color@endgroup}%
14672     \m@mmf@prepare
14673     \if@RTL@footnote
14674     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14675     \else
14676     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14677     \fi
14678 }
14679 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14680 \def\baselinestretch{\m@m@footnote@spacing}%
14681 \reset@font\LTRfoottextfont
14682 \@preamfntext
14683 \protected@edef\@currentlabel{%
14684 \csname p@footnote\endcsname\@thefnmark}%
14685 \color@begingroup
14686 \@tencolLTRfootfmt{#1}%
14687 \color@endgroup}%
14688 \m@mmf@prepare}
14689 \newcommand{\@TenColLTRfootnotetext}[1]{%
14690 \bidi@step@absolute@footnote@count
14691 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14692 \global\setbox\footinsv@l\vbox{%
14693 \unvbox\footinsv@l
14694 \@RTLfalse%
14695 \def\baselinestretch{\m@m@footnote@spacing}%
14696 \reset@font\LTRfoottextfont
14697 \@preamfntext
14698 \protected@edef\@currentlabel{%
14699 \csname p@footnote\endcsname\@thefnmark}%
14700 \color@begingroup
14701 \@tencolLTRfootfmt{#1}%

```



```

14702 \color@endgroup}%
14703 \m@mmf@prepare
14704 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14705 }
14706 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14707 \def\baselinestretch{\m@m@footnote@spacing}%
14708 \reset@font\RTLfoottextfont
14709 \@preamfntext
14710 \protected@edef\@currentlabel{%
14711 \csname p@footnote\endcsname\@thefnmark}%
14712 \color@begingroup
14713 \@tencolRTLfootfmt{#1}%
14714 \color@endgroup}%
14715 \m@mmf@prepare}
14716 \newcommand{\@TenColRTLfootnotetext}[1]{%
14717 \bidi@step@absolute@footnote@count
14718 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14719 \global\setbox\footinsv@r\vbox{%
14720 \unvbox\footinsv@r
14721 \@RTLtrue
14722 \def\baselinestretch{\m@m@footnote@spacing}%
14723 \reset@font\RTLfoottextfont
14724 \@preamfntext
14725 \protected@edef\@currentlabel{%
14726 \csname p@footnote\endcsname\@thefnmark}%
14727 \color@begingroup
14728 \@tencolRTLfootfmt{#1}%
14729 \color@endgroup}%
14730 \m@mmf@prepare
14731 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14732 }
14733 \bidi@ensure@newcommand{\@preamtenfmt}{%
14734 \hsize .1\hsize
14735 \parindent=\z@
14736 \tolerance=5000\relax
14737 \leavevmode}
14738 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14739 \@preamtenfmt
14740 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14741 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14742 \@preamtenfmt
14743 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14744 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14745 \@preamtenfmt
14746 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14747 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
14748 \global\setbox
14749 \if@RTL@footnote
14750 \@mpfootinsv@r
14751 \else
14752 \@mpfootinsv@l
14753 \fi
14754 \vbox{%
14755 \unvbox

```



```

14756 \if@RTL@footnote
14757 \@mpfootinsv@r
14758 \else
14759 \@mpfootinsv@l
14760 \fi
14761 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14762 \def\baselinestretch{\m@m@footnote@spacing}%
14763 \reset@font\foottextfont
14764 \hsize\columnwidth \@parboxrestore
14765 \protected@edef\@currentlabel{%
14766 \cename p@mpfootnote\endcsname\@thefnmark}%
14767 \color@begingroup
14768 \@tencolfootfmt{#1}%
14769 \color@endgroup}%
14770 \m@m@mmf@prepare}
14771 \newcommand{\@mpTenColfootnotetext}[1]{%
14772 \if@RTL@footnote
14773 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14774 \else
14775 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14776 \fi
14777 \global\setbox
14778 \if@RTL@footnote
14779 \@mpfootinsv@r
14780 \else
14781 \@mpfootinsv@l
14782 \fi
14783 \vbox{%
14784 \unvbox
14785 \if@RTL@footnote
14786 \@mpfootinsv@r
14787 \else
14788 \@mpfootinsv@l
14789 \fi
14790 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14791 \def\baselinestretch{\m@m@footnote@spacing}%
14792 \reset@font\foottextfont
14793 \hsize\columnwidth \@parboxrestore
14794 \protected@edef\@currentlabel{%
14795 \cename p@mpfootnote\endcsname\@thefnmark}%
14796 \color@begingroup
14797 \@tencolfootfmt{#1}%
14798 \color@endgroup}%
14799 \m@m@mmf@prepare}
14800 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
14801 \global\setbox\@mpfootinsv@l\vbox{%
14802 \unvbox\@mpfootinsv@l
14803 \@RTLfalse
14804 \def\baselinestretch{\m@m@footnote@spacing}%
14805 \reset@font\LTRfoottextfont
14806 \hsize\columnwidth \@parboxrestore
14807 \protected@edef\@currentlabel{%
14808 \cename p@mpfootnote\endcsname\@thefnmark}%
14809 \color@begingroup

```



```

14810 \tencolLTRfootfmt{#1}%
14811 \color@endgroup}%
14812 \m@mmf@prepare}
14813 \newcommand{\@mpTenColLTRfootnotetext}[1]{%
14814 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14815 \global\setbox\@mpfootinsv@l\vbox{%
14816 \unvbox\@mpfootinsv@l
14817 \@RTLfalse
14818 \def\baselinestretch{\m@m@footnote@spacing}%
14819 \reset@font\LTRfoottextfont
14820 \hsize\columnwidth \@parboxrestore
14821 \protected@edef\@currentlabel{%
14822 \csname p@mpfootnote\endcsname\@thefnmark}%
14823 \color@begingroup
14824 \tencolLTRfootfmt{#1}%
14825 \color@endgroup}%
14826 \m@mmf@prepare}
14827 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
14828 \global\setbox\@mpfootinsv@r\vbox{%
14829 \unvbox\@mpfootinsv@r
14830 \@RTLtrue
14831 \def\baselinestretch{\m@m@footnote@spacing}%
14832 \reset@font\RTLfoottextfont
14833 \hsize\columnwidth \@parboxrestore
14834 \protected@edef\@currentlabel{%
14835 \csname p@mpfootnote\endcsname\@thefnmark}%
14836 \color@begingroup
14837 \tencolRTLfootfmt{#1}%
14838 \color@endgroup}%
14839 \m@mmf@prepare}
14840 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14841 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14842 \global\setbox\@mpfootinsv@r\vbox{%
14843 \unvbox\@mpfootinsv@r
14844 \@RTLtrue
14845 \def\baselinestretch{\m@m@footnote@spacing}%
14846 \reset@font\RTLfoottextfont
14847 \hsize\columnwidth \@parboxrestore
14848 \protected@edef\@currentlabel{%
14849 \csname p@mpfootnote\endcsname\@thefnmark}%
14850 \color@begingroup
14851 \tencolRTLfootfmt{#1}%
14852 \color@endgroup}%
14853 \m@mmf@prepare}
14854 \bidi@ensure@newcommand{\@make@tencol@footgroup}[1]{%
14855 \@namedef{@tencol@footgroup#1}{%
14856 \def\baselinestretch{\m@m@footnote@spacing}%
14857 \hsize\bidi@columnwidth
14858 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14859 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
14860 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14861 \@namedef{@tencol@LTRfootgroup#1}{%
14862 \def\baselinestretch{\m@m@footnote@spacing}%
14863 \hsize\bidi@columnwidth

```



```

14864 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14865 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
14866 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
14867 \@namedef{@mptencol@footgroup#1}{%
14868 \def\baselinestretch{\m@m@footnote@spacing}%
14869 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14870 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
14871 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
14872 \@namedef{@mptencol@LTRfootgroup#1}{%
14873 \def\baselinestretch{\m@m@footnote@spacing}%
14874 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14875 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
14876 \bidi@ensure@newcommand{\m@munvxh}[1]{%
14877 \setbox0=\vbox{\unvbox#1%
14878 \global\setbox1=\lastbox}%
14879 \unhbox1
14880 \unskip
14881 \unskip
14882 \unpenalty
14883 \hskip\m@mipn@skip}
14884 \bidi@ensure@newcommand{\m@mungebox}{%
14885 \setbox0=\hbox{\m@munvxh0}%
14886 \dp0=\z@
14887 \ht0=\footfudgefactor\wd0
14888 \box0
14889 \penalty0}
14890 \newskip\m@mipn@skip
14891 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
14892 {\foottextfont\global\m@mipn@skip=#1\relax}}
14893 \m@minterparanoteglue{1em plus.3em minus.3em}
14894 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14895 \setbox0=\hbox{}%
14896 \loop
14897 \unpenalty
14898 \setbox2=\lastbox
14899 \ifhbox2
14900 \setbox0=\hbox{\box2\unhbox0}
14901 \repeat}
14902 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14903 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14904 \newcommand*{\AddExtraParaSkip}[1]{%
14905 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14906 }
14907 \let\bidi@xparaskip\relax
14908 \@onlypreamble\AddExtraParaSkip
14909 \@onlypreamble\bidi@xparaskip
14910 \def\bidi@startparafootskip#1{%
14911 \global\advance\skip#1\bidi@paraskip
14912 }
14913 \@onlypreamble\bidi@startparafootskip
14914 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14915 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14916 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14917 \@bidi@before@Hy@hyperfootnotes

```



```

14918 \let\@footnotetext\@parafootnotetext
14919 \let\@LTRfootnotetext\@paraLTRfootnotetext
14920 \let\@RTLfootnotetext\@paraRTLfootnotetext
14921 \dimen\footinsv@r=\footinsdim
14922 \count\footinsv@r=1000\relax
14923 \let\@bidi@removexfootskip\@bidi@removexparafootskip
14924 \m@make@para@footgroup{v@r}%
14925 \m@make@para@footstart{v@r}%
14926 \let\@footgroupv@r\@para@footgroupv@r
14927 \let\@footstartv@r\@para@footstartv@r
14928 \dimen\footinsv@l=\footinsdim
14929 \count\footinsv@l=1000\relax
14930 \bidi@make@para@LTRfootgroup{v@l}%
14931 \m@make@para@footstart{v@l}%
14932 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14933 \let\@footstartv@l\@para@footstartv@l
14934 \let\@mpfootnotetext\@mpparafootnotetext
14935 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14936 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14937 \@bidi@after@Hy@hyperfootnotes
14938 \m@make@mppara@footgroup{v@r}%
14939 \bidi@make@mppara@LTRfootgroup{v@l}%
14940 \let\@mp@footgroupv@r\@mppara@footgroupv@r
14941 \let\@mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14942 \g@addto@macro\@bidi@floathook{%
14943   \begingroup
14944     \foottextfont \@tempdima\normalbaselineskip
14945     \multiply \@tempdima \@ccclvi
14946     \@tempdimb \columnwidth
14947     \divide \@tempdimb \@ccclvi
14948     \divide \@tempdima \@tempdimb
14949     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14950   \endgroup
14951 }
14952 \AtBeginDocument{%
14953   \begingroup
14954     \foottextfont
14955     \@tempdima\footnotesep
14956     \advance\@tempdima -\ht\strutbox
14957     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14958     \advance\@tempdima.5\normalbaselineskip
14959     \bidi@xparaskip
14960     \xdef\@bidi@paraskip{\the\@tempdima\relax}%
14961   \endgroup
14962   \bidi@startparafootskip\footinsv@r
14963   \bidi@startparafootskip\footinsv@l
14964 }
14965 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14966 }
14967 \newcommand{\ParagraphFootnotes}{%
14968   \@namedef{foottextfontv@r}{\foottextfont}%
14969   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14970   \@bidi@before@Hy@hyperfootnotes
14971   \let\@footnotetext\@Parafootnotetext

```



```

14972 \let\@LTRfootnotetext\@ParaLTRfootnotetext
14973 \let\@RTLfootnotetext\@ParaRTLfootnotetext
14974 \dimen\footinsv@r=\footinsdim
14975 \count\footinsv@r=1000\relax
14976 \let\@bidi@removexfootskip\@bidi@removexparafootskip
14977 \m@make@para@footgroup{v@r}%
14978 \m@make@para@footstart{v@r}%
14979 \let\@footgroupv@r\@para@footgroupv@r
14980 \let\@footstartv@r\@para@footstartv@r
14981 \dimen\footinsv@l=\footinsdim
14982 \count\footinsv@l=1000\relax
14983 \bidi@make@para@LTRfootgroup{v@l}%
14984 \m@make@para@footstart{v@l}%
14985 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14986 \let\@footstartv@l\@para@footstartv@l
14987 \let\@mpfootnotetext\@mpParafootnotetext
14988 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
14989 \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext
14990 \@bidi@after@Hy@hyperfootnotes
14991 \m@make@mppara@footgroup{v@r}%
14992 \bidi@make@mppara@LTRfootgroup{v@l}%
14993 \let\mp@footgroupv@r\@mppara@footgroupv@r
14994 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14995 \g@addto@macro\@bidi@floathook{%
14996   \begingroup
14997     \foottextfont \@tempdima\normalbaselineskip
14998     \multiply \@tempdima \@ccclvi
14999     \@tempdimb \columnwidth
15000     \divide \@tempdimb \@ccclvi
15001     \divide \@tempdima \@tempdimb
15002     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15003   \endgroup
15004 }
15005 \AtBeginDocument{%
15006   \begingroup
15007     \foottextfont
15008     \@tempdima\footnotesep
15009     \advance\@tempdima -\ht\strutbox
15010     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15011     \advance\@tempdima.5\normalbaselineskip
15012     \bidi@xparaskip
15013     \xdef\@bidi@paraskip{\the\@tempdima\relax}%
15014   \endgroup
15015   \bidi@startparafootskip\footinsv@r
15016   \bidi@startparafootskip\footinsv@l
15017 }
15018 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15019 }
15020 \newcommand{\normalRTLparaLTRfootnotes}{%
15021   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
15022   \@bidi@before@Hy@hyperfootnotes
15023   \if@RTL@footnote
15024     \let\@footnotetext\m@old@footnotetext
15025   \else

```




```

15026 \let\@footnotetext\@parafootnotetext
15027 \fi
15028 \let\@LTRfootnotetext\@paraLTRfootnotetext
15029 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
15030 \dimen\footinsv@1=\footinsdim
15031 \count\footinsv@1=1000\relax
15032 \let\@bidi@removexfootskip\@bidi@removexparafootskip
15033 \@bidi@make@para@LTRfootgroup{v@1}%
15034 \m@make@para@footstart{v@1}%
15035 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
15036 \let\@footstartv@1\@para@footstartv@1
15037 \if@RTL@footnote
15038 \let\@mpfootnotetext\m@mold@mpfootnotetext
15039 \else
15040 \let\@mpfootnotetext\@mpparafootnotetext
15041 \fi
15042 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
15043 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
15044 \@bidi@after@Hy@hyperfootnotes
15045 \@bidi@make@mppara@LTRfootgroup{v@1}%
15046 \let\@mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
15047 \g@addto@macro\@bidi@floathook{%
15048 \begingroup
15049 \LTRfoottextfont \@tempdima\normalbaselineskip
15050 \multiply \@tempdima \@cclvi
15051 \@tempdimb \columnwidth
15052 \divide \@tempdimb \@cclvi
15053 \divide \@tempdima \@tempdimb
15054 \xdef\footfudgefactor{\strip@pt\@tempdima}%
15055 \endgroup
15056 }
15057 \AtBeginDocument{%
15058 \begingroup
15059 \LTRfoottextfont
15060 \@tempdima\footnotesep
15061 \advance\@tempdima -\ht\strutbox
15062 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
15063 \advance\@tempdima.5\normalbaselineskip
15064 \bidi@xparaskip
15065 \xdef\@bidi@paraskip{\the\@tempdima\relax}%
15066 \endgroup
15067 \bidi@startparafootskip\footinsv@1
15068 }
15069 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
15070 }
15071 \newcommand{\NormalRTLParaLTRFootnotes}{%
15072 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
15073 \@bidi@before@Hy@hyperfootnotes
15074 \if@RTL@footnote
15075 \let\@footnotetext\@bidi@bidiold@footnotetext
15076 \else
15077 \let\@footnotetext\@Parafootnotetext
15078 \fi
15079 \let\@LTRfootnotetext\@ParaLTRfootnotetext

```



```

15080 \let\@RTLfootnotetext\@bidi@bidiold@RTLfootnotetext
15081 \dimen\footinsv@1=\footinsdim
15082 \count\footinsv@1=1000\relax
15083 \let\@bidi@removexfootskip\@bidi@removexparafootskip
15084 \@bidi@make@para@LTRfootgroup{v@1}%
15085 \m@make@para@footstart{v@1}%
15086 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
15087 \let\@footstartv@1\@para@footstartv@1
15088 \if@RTL@footnote
15089 \let\@mpfootnotetext\@bidi@bidiold@mpfootnotetext
15090 \else
15091 \let\@mpfootnotetext\@mpParafootnotetext
15092 \fi
15093 \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15094 \let\@mpRTLfootnotetext\@bidi@bidiold@mpRTLfootnotetext
15095 \@bidi@after@Hy@hyperfootnotes
15096 \@bidi@make@mppara@LTRfootgroup{v@1}%
15097 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
15098 \g@addto@macro\@bidi@floathook{%
15099 \begingroup
15100 \LTRfoottextfont \@tempdima\normalbaselineskip
15101 \multiply \@tempdima \@cclvi
15102 \@tempdimb \columnwidth
15103 \divide \@tempdimb \@cclvi
15104 \divide \@tempdima \@tempdimb
15105 \xdef\footfudgefactor{\strip@pt\@tempdima}%
15106 \endgroup
15107 }
15108 \AtBeginDocument{%
15109 \begingroup
15110 \LTRfoottextfont
15111 \@tempdima\footnotesep
15112 \advance\@tempdima -\ht\strutbox
15113 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
15114 \advance\@tempdima.5\normalbaselineskip
15115 \bidi@xparaskip
15116 \xdef\@bidi@paraskip{\the\@tempdima\relax}%
15117 \endgroup
15118 \bidi@startparafootskip\footinsv@1
15119 }
15120 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
15121 }
15122 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
15123 \if@RTL@footnote
15124 \footinsv@r
15125 \else
15126 \footinsv@l
15127 \fi
15128 {%
15129 \let\@bidi@RTL@everypar\@empty%
15130 \def\baselinestretch{\m@m@footnote@spacing}%
15131 \reset@font\foottextfont
15132 \@preamfntext
15133 \protected@edef\@currentlabel{%

```



```

15134 \csname p@footnote\endcsname\@thefnmark}%
15135 \setbox0=\vbox{\hsize=\maxdimen
15136 \color@begingroup
15137 \noindent \@parafootfmt{#1}%
15138 \color@endgroup}%
15139 \m@mungebox}\m@mmf@prepare}
15140 \newcommand{\@Parafootnotetext}[1]{%
15141 \bidi@step@absolute@footnote@count
15142 \if@RTL@footnote
15143 \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
15144 \else
15145 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15146 \fi
15147 \global\setbox
15148 \if@RTL@footnote
15149 \footinsv@r
15150 \else
15151 \footinsv@1
15152 \fi
15153 \vbox{%
15154 \unvbox
15155 \if@RTL@footnote
15156 \footinsv@r
15157 \else
15158 \footinsv@1
15159 \fi
15160 \let\bidi@RTL@everypar\@empty%
15161 \def\baselinestretch{\m@m@footnote@spacing}%
15162 \reset@font\foottextfont
15163 \@preamfntext
15164 \protected@edef\@currentlabel{%
15165 \csname p@footnote\endcsname\@thefnmark}%
15166 \setbox0=\vbox{\hsize=\maxdimen
15167 \color@begingroup
15168 \noindent \@parafootfmt{#1}%
15169 \color@endgroup}%
15170 \m@mungebox}\m@mmf@prepare
15171 \if@RTL@footnote
15172 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15173 \else
15174 \bidi@reinsertfinalfootnoteperpage\footinsv@1\@footstartv@1\@LTRfootgroupv@1
15175 \fi
15176 }
15177 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@1{%
15178 \let\bidi@RTL@everypar\@empty%
15179 \def\baselinestretch{\m@m@footnote@spacing}%
15180 \reset@font\LTRfoottextfont
15181 \@preamfntext
15182 \protected@edef\@currentlabel{%
15183 \csname p@footnote\endcsname\@thefnmark}%
15184 \setbox0=\vbox{\hsize=\maxdimen
15185 \color@begingroup
15186 \noindent \@paraLTRfootfmt{#1}%
15187 \color@endgroup}%

```



```

15188 \m@mungebox}\m@mmf@prepare}
15189 \newcommand{\@ParaLTRfootnotetext}[1]{%
15190 \bidi@step@absolutefootnote@count
15191 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15192 \global\setbox\footinsv@l\vbox{%
15193 \unvbox\footinsv@l
15194 \let\bidi@RTL@everypar\@empty%
15195 \def\baselinestretch{\m@m@footnote@spacing}%
15196 \reset@font\LTRfoottextfont
15197 \@preamfntext
15198 \protected@edef\@currentlabel{%
15199 \csname p@footnote\endcsname\@thefnmark}%
15200 \setbox0=\vbox{\hsize=\maxdimen
15201 \color@begingroup
15202 \noindent \@paraLTRfootfmt{#1}%
15203 \color@endgroup}%
15204 \m@mungebox}\m@mmf@prepare
15205 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15206 }
15207 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
15208 \let\bidi@RTL@everypar\@empty%
15209 \def\baselinestretch{\m@m@footnote@spacing}%
15210 \reset@font\RTLfoottextfont
15211 \@preamfntext
15212 \protected@edef\@currentlabel{%
15213 \csname p@footnote\endcsname\@thefnmark}%
15214 \setbox0=\vbox{\hsize=\maxdimen
15215 \color@begingroup
15216 \noindent \@paraRTLfootfmt{#1}%
15217 \color@endgroup}%
15218 \m@mungebox}\m@mmf@prepare}
15219 \newcommand{\@ParaRTLfootnotetext}[1]{%
15220 \bidi@step@absolutefootnote@count
15221 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15222 \global\setbox\footinsv@r\vbox{%
15223 \unvbox\footinsv@r
15224 \let\bidi@RTL@everypar\@empty%
15225 \def\baselinestretch{\m@m@footnote@spacing}%
15226 \reset@font\RTLfoottextfont
15227 \@preamfntext
15228 \protected@edef\@currentlabel{%
15229 \csname p@footnote\endcsname\@thefnmark}%
15230 \setbox0=\vbox{\hsize=\maxdimen
15231 \color@begingroup
15232 \noindent \@paraRTLfootfmt{#1}%
15233 \color@endgroup}%
15234 \m@mungebox}\m@mmf@prepare
15235 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15236 }
15237 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15238 \parindent=\z@
15239 \parfillskip=0pt \@plus 1fil
15240 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15241 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%

```



```

15242 \parindent=\z@
15243 \parfillskip=0pt \@plus 1fil
15244 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15245 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15246 \parindent=\z@
15247 \parfillskip=0pt \@plus 1fil
15248 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15249 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
15250 \global\setbox
15251 \if@RTL@footnote
15252 \@mpfootinsv@r
15253 \else
15254 \@mpfootinsv@l
15255 \fi
15256 \vbox{%
15257 \unvbox
15258 \if@RTL@footnote
15259 \@mpfootinsv@r
15260 \else
15261 \@mpfootinsv@l
15262 \fi
15263 \let\bidi@RTL@everypar\@empty
15264 \def\baselinestretch{\m@m@footnote@spacing}%
15265 \reset@font\foottextfont
15266 \hsize\columnwidth \@parboxrestore
15267 \protected@edef\@currentlabel{%
15268 \csname p@mpfootnote\endcsname\@thefnmark}%
15269 \setbox0=\vbox{\hsize=\maxdimen
15270 \color@begingroup
15271 \noindent \@parafootfmt{#1}%
15272 \color@endgroup}%
15273 \m@mungebox}\m@mmf@prepare}
15274 \newcommand{\@mpParafootnotetext}[1]{%
15275 \if@RTL@footnote
15276 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15277 \else
15278 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15279 \fi
15280 \global\setbox
15281 \if@RTL@footnote
15282 \@mpfootinsv@r
15283 \else
15284 \@mpfootinsv@l
15285 \fi
15286 \vbox{%
15287 \unvbox
15288 \if@RTL@footnote
15289 \@mpfootinsv@r
15290 \else
15291 \@mpfootinsv@l
15292 \fi
15293 \let\bidi@RTL@everypar\@empty
15294 \def\baselinestretch{\m@m@footnote@spacing}%
15295 \reset@font\foottextfont

```



```

15296 \hsize\columnwidth \@parboxrestore
15297 \protected@edef\@currentlabel{%
15298 \csname p@mpfootnote\endcsname\@thefnmark}%
15299 \setbox0=\vbox{\hsize=\maxdimen
15300 \color@begingroup
15301 \noindent \@parafootfmt{#1}%
15302 \color@endgroup}%
15303 \m@mungebox}\m@mmf@prepare}
15304 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
15305 \global\setbox\@mpfootinsv@l\vbox{%
15306 \unvbox\@mpfootinsv@l
15307 \let\bidi@RTL@everypar\@empty
15308 \def\baselinestretch{\m@m@footnote@spacing}%
15309 \reset@font\LTRfoottextfont
15310 \hsize\columnwidth \@parboxrestore
15311 \protected@edef\@currentlabel{%
15312 \csname p@mpfootnote\endcsname\@thefnmark}%
15313 \setbox0=\vbox{\hsize=\maxdimen
15314 \color@begingroup
15315 \noindent \@paraLTRfootfmt{#1}%
15316 \color@endgroup}%
15317 \m@mungebox}\m@mmf@prepare}
15318 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15319 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15320 \global\setbox\@mpfootinsv@l\vbox{%
15321 \unvbox\@mpfootinsv@l
15322 \let\bidi@RTL@everypar\@empty
15323 \def\baselinestretch{\m@m@footnote@spacing}%
15324 \reset@font\LTRfoottextfont
15325 \hsize\columnwidth \@parboxrestore
15326 \protected@edef\@currentlabel{%
15327 \csname p@mpfootnote\endcsname\@thefnmark}%
15328 \setbox0=\vbox{\hsize=\maxdimen
15329 \color@begingroup
15330 \noindent \@paraLTRfootfmt{#1}%
15331 \color@endgroup}%
15332 \m@mungebox}\m@mmf@prepare}
15333 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
15334 \global\setbox\@mpfootinsv@r\vbox{%
15335 \unvbox\@mpfootinsv@r
15336 \let\bidi@RTL@everypar\@empty
15337 \def\baselinestretch{\m@m@footnote@spacing}%
15338 \reset@font\RTLfoottextfont
15339 \hsize\columnwidth \@parboxrestore
15340 \protected@edef\@currentlabel{%
15341 \csname p@mpfootnote\endcsname\@thefnmark}%
15342 \setbox0=\vbox{\hsize=\maxdimen
15343 \color@begingroup
15344 \noindent \@paraRTLfootfmt{#1}%
15345 \color@endgroup}%
15346 \m@mungebox}\m@mmf@prepare}
15347 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15348 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15349 \global\setbox\@mpfootinsv@r\vbox{%

```



```

15350 \unvbox\@mpfootinsv@r
15351 \let\@bidi@RTL@everypar\@empty
15352 \def\baselinestretch{\m@m@footnote@spacing}%
15353 \reset@font\RTLfoottextfont
15354 \hsize\columnwidth \@parboxrestore
15355 \protected@edef\@currentlabel{%
15356   \csname p@mpfootnote\endcsname\@thefnmark}%
15357 \setbox0=\vbox{\hsize=\maxdimen
15358   \color@begingroup
15359   \noindent \@paraRTLfootfmt{#1}%
15360   \color@endgroup}%
15361 \m@mungebox}\m@m@mmf@prepare}
15362 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15363 \@namedef{@para@footgroup#1}{%
15364   \unvbox\@nameuse{footins#1}
15365   \@RTLtrue
15366   \m@mmakehboxofhboxes
15367   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15368   \hsize\@bidi@columnwidth
15369   \@parboxrestore
15370   \def\baselinestretch{\m@m@footnote@spacing}%
15371   \@nameuse{foottextfont#1}%
15372   \noindent\unhbox0\par}}
15373 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15374 \@namedef{@para@LTRfootgroup#1}{%
15375   \unvbox\@nameuse{footins#1}
15376   \@RTLfalse
15377   \m@mmakehboxofhboxes
15378   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15379   \hsize\@bidi@columnwidth
15380   \@parboxrestore
15381   \def\baselinestretch{\m@m@footnote@spacing}%
15382   \@nameuse{foottextfont#1}%
15383   \noindent\unhbox0\par}}
15384 \newcommand{\bidi@removexparafootskip}{%
15385   \advance\@tempskipa -\@bidi@paraskip
15386   \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15387 }
15388 \let\bidi@removexfootskip\relax
15389 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15390 \@namedef{@mppara@footgroup#1}{%
15391   \unvbox\@nameuse{@mpfootins#1}
15392   \@RTLtrue
15393   \m@mmakehboxofhboxes
15394   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15395   \def\baselinestretch{\m@m@footnote@spacing}%
15396   \@nameuse{foottextfont#1}%
15397   \noindent\unhbox0\par}}
15398 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15399 \@namedef{@mppara@LTRfootgroup#1}{%
15400   \unvbox\@nameuse{@mpfootins#1}
15401   \@RTLfalse
15402   \m@mmakehboxofhboxes
15403   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%

```



```

15404 \def\baselinestretch{\m@m@footnote@spacing}%
15405 \@nameuse{foottextfont#1}%
15406 \noindent\unhbox0\par}}
15407 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15408 \@namedef{@para@footstart#1}{%
15409 \leftskip=\z@
15410 \rightskip=\z@
15411 \parindent=\z@
15412 }%
15413 }
15414 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15415 \xdef\@freelist{\@freelist\@midlist}%
15416 \global\let\@midlist\@empty
15417 \@combinefloats}
15418 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15419 \ifvbox\@kludgeins
15420 \@makespecialcolbox
15421 \else
15422 \setbox\@outputbox \vbox to\@colht{%
15423 \@texttop
15424 \dimen@ \dp\@outputbox
15425 \unvbox \@outputbox
15426 \vskip -\dimen@
15427 \@textbottom}%
15428 \fi}
15429 \bidi@ensure@newcommand*{\m@m@makecolintro}{}
15430 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15431 \boxmaxdepth\@maxdepth
15432 \@tempdima\dp\@cclv
15433 \unvbox\@cclv
15434 \vskip-\@tempdima
15435 \bidi@mopfn@bottom
15436 \vskip \skip\footins
15437 \color@begingroup
15438 \normalcolor
15439 \footnoterule
15440 \unvbox \footins
15441 \color@endgroup
15442 }%
15443 }
15444 \newcommand*{\bidi@mopfootnotebf}{%
15445 \setbox\@outputbox \vbox{%
15446 \boxmaxdepth\@maxdepth
15447 \unvbox\@outputbox
15448 \bidi@mopfn@bottom
15449 \vskip\skip\footins
15450 \color@begingroup
15451 \normalcolor
15452 \footnoterule
15453 \unvbox \footins
15454 \color@endgroup
15455 }%
15456 }
15457 \gdef\mem@makecol{%

```




```

15458 \m@m@makecolintro
15459 \m@m@doextrafeet
15460 \ifvoid\footins
15461 \setbox\@outputbox \box\@ccclv
15462 \else
15463 \m@mopfootnote
15464 \fi
15465 \m@m@makecolfloats
15466 \m@m@makecoltext
15467 \global \maxdepth \@maxdepth}
15468 \gdef\bidi@makecolbf{%
15469 \m@m@makecolintro
15470 \m@m@doextrafeet
15471 \setbox\@outputbox \box\@ccclv
15472 \m@m@makecolfloats
15473 \ifvoid\footins
15474 \else
15475 \bidi@mopfootnotebf
15476 \fi
15477 \m@m@makecoltext
15478 \global \maxdepth \@maxdepth}
15479 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\m@m@makecol}}
15480 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15481 \newcommand{\FeetAtBottom}{\def\bidi@mopfn@bottom{\vfill\relax}}
15482 \newcommand{\FeetBelowRagged}{\let\bidi@mopfn@bottom\relax}
15483 \FeetAboveFloat
15484 \FeetBelowRagged
15485 \def\bidi@reinserts#1{\ifvoid#1\else
15486 \ifnum\count\@currbox>\z@
15487 \advance\@pageht \ht#1%
15488 \advance\@pageht \skip#1%
15489 \advance\@pageht \dp#1%
15490 \fi
15491 \insert#1{\unvbox#1}%
15492 \fi
15493 }
15494 \def\bidi@init@multi@footins#1{%
15495 \multiply\count#1\col@number
15496 \multiply\skip#1\col@number
15497 }
15498 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
15499 \insert#1{}\fi}
15500 \AtBeginDocument{%
15501 \bidi@preto\@docclearpage\m@m@doextrafeet
15502 \g@addto@macro\@reinserts{%
15503 \bidi@reinserts\footinsv@
15504 \bidi@reinserts\footinsv@l
15505 }
15506 \bidi@floathook
15507 \g@addto@macro\@floatplacement{%
15508 \bidi@ifmulticol}{\bidi@floathook}%
15509 }%
15510 \if@bidi@csundef{multi@column@out}{%
15511 \onlypreamble\bidi@init@multi@footins

```



```

15512 \let\bidifmulticol\@secondoftwo
15513 }{%
15514 \bidi@preto\multicolumn@out@mmdoextrafeet
15515 \g@addto@macro\init@mult@footins{%
15516 \bidi@init@multifootins\footinsv@r
15517 \bidi@init@multifootins\footinsv@l
15518 }%
15519 \g@addto@macro\reinsert@footnotes{%
15520 \bidi@reinsert@footnotes\footinsv@r
15521 \bidi@reinsert@footnotes\footinsv@l
15522 }%
15523 }%
15524 }

```

87 File extreport-xetex-bidi.def

```

15525 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport clas
15526 \renewcommand*\l@part[2]{%
15527 \ifnum \c@tocdepth >-2\relax
15528 \addpenalty{-\@highpenalty}%
15529 \addvspace{2.25em \@plus\p@}%
15530 \begingroup
15531 \setlength\@tempdima{3em}%
15532 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15533 \parfillskip -\@pnumwidth
15534 {\leavevmode
15535 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15536 \nobreak
15537 \global\@nobreaktrue
15538 \everypar{\global\@nobreakfalse\everypar{}}%
15539 \endgroup
15540 \fi}
15541 \renewcommand*\l@chapter[2]{%
15542 \ifnum \c@tocdepth >\m@ne
15543 \addpenalty{-\@highpenalty}%
15544 \vskip 1.0em \@plus\p@
15545 \setlength\@tempdima{1.5em}%
15546 \begingroup
15547 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15548 \parfillskip -\@pnumwidth
15549 \leavevmode \bfseries
15550 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15551 \hskip -\if@RTL\rightskip\else\leftskip\fi
15552 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15553 \penalty\@highpenalty
15554 \endgroup
15555 \fi}
15556 \def\@makechapterhead#1{%
15557 \vspace*{50\p@}%
15558 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15559 \ifnum \c@secnumdepth >\m@ne
15560 \huge\bfseries \@chapapp\space \thechapter
15561 \par\nobreak
15562 \vskip 20\p@

```



```

15563 \fi
15564 \interlinepenalty\@M
15565 \Huge \bfseries #1\par\nobreak
15566 \vskip 40\p@
15567 }
15568 \def\@makeschapterhead#1{%
15569 \vspace*{50\p@}%
15570 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15571 \normalfont
15572 \interlinepenalty\@M
15573 \Huge \bfseries #1\par\nobreak
15574 \vskip 40\p@
15575 }
15576 \renewcommand\left@footnoterule{%
15577 \kern-3\p@
15578 \hrule\@width.4\columnwidth
15579 \kern2.6\p@}
15580 \renewcommand\right@footnoterule{%
15581 \kern-3\p@
15582 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15583 \kern2.6\p@}
15584 \renewenvironment{thebibliography}[1]
15585 {\chapter*{\bibname
15586 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15587 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15588 \bidi@thebibliography@font@hook%
15589 \list{\@biblabel{\@arabic\c@enumiv}}%
15590 {\settowidth\labelwidth{\@biblabel{#1}}%
15591 \leftmargin\labelwidth
15592 \advance\leftmargin\labelsep
15593 \@openbib@code
15594 \usecounter{enumiv}%
15595 \let\p@enumiv\@empty
15596 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15597 \sloppy\clubpenalty4000\widowpenalty4000%
15598 \sfcode\.\@m}
15599 {\def\@noitemerr
15600 {\@latex@warning{Empty `thebibliography' environment}}%
15601 \endlist}
15602 \if@titlepage
15603 \renewcommand\maketitle{\begin{titlepage}%
15604 \let\footnotesize\small
15605 \let\right@footnoterule\relax
15606 \let\left@footnoterule\relax
15607 \let\textwidth@footnoterule\relax
15608 \let \footnote \thanks
15609 \null\vfil
15610 \vskip 60\p@
15611 \begin{center}%
15612 {\LARGE \@title \par}%
15613 \vskip 3em%
15614 {\large
15615 \lineskip .75em%
15616 \begin{tabular}[t]{c}%

```



```

15617         \@author
15618         \end{tabular}\par}%
15619         \vskip 1.5em%
15620         {\large \@date \par}%           % Set date in \large size.
15621     \end{center}\par
15622     \@thanks
15623     \vfil\null
15624     \end{titlepage}%
15625     \setcounter{footnote}{0}%
15626     \global\let\thanks\relax
15627     \global\let\maketitle\relax
15628     \global\let\@thanks\@empty
15629     \global\let\@author\@empty
15630     \global\let\@date\@empty
15631     \global\let\@title\@empty
15632     \global\let\title\relax
15633     \global\let\author\relax
15634     \global\let\date\relax
15635     \global\let\and\relax
15636 }
15637 \else
15638 \renewcommand\maketitle{\par
15639     \begingroup
15640         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15641         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15642         \long\def\@makefntext##1{\parindent 1em\noindent
15643             \hb@xt@1.8em{%
15644                 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15645         \if@twocolumn
15646             \ifnum \col@number=\@one
15647                 \@maketitle
15648             \else
15649                 \twocolumn[\@maketitle]%
15650             \fi
15651         \else
15652             \newpage
15653             \global\@topnum\z@ % Prevents figures from going at top of page.
15654             \@maketitle
15655         \fi
15656         \thispagestyle{plain}\@thanks
15657     \endgroup
15658     \setcounter{footnote}{0}%
15659     \global\let\thanks\relax
15660     \global\let\maketitle\relax
15661     \global\let\@maketitle\relax
15662     \global\let\@thanks\@empty
15663     \global\let\@author\@empty
15664     \global\let\@date\@empty
15665     \global\let\@title\@empty
15666     \global\let\title\relax
15667     \global\let\author\relax
15668     \global\let\date\relax
15669     \global\let\and\relax
15670 }

```



```

15671 \def\@maketitle{%
15672   \newpage
15673   \null
15674   \vskip 2em%
15675   \begin{center}%
15676   \let \footnote \thanks
15677     {\LARGE \@title \par}%
15678     \vskip 1.5em%
15679     {\large
15680       \lineskip .5em%
15681       \begin{tabular}[t]{c}%
15682         \@author
15683       \end{tabular}\par}%
15684     \vskip 1em%
15685     {\large \@date}%
15686   \end{center}%
15687   \par
15688   \vskip 1.5em}
15689 \fi
15690 \renewcommand\thesection      {\thechapter\@SepMark\@arabic\c@section}
15691 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\csubsection}
15692 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
15693 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\cparagraph}
15694 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
15695 \renewcommand\theequation{%
15696   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\cequation}
15697 \renewcommand\thefigure{%
15698   \ifnum \c@chapter>z@\thechapter\@SepMark\fi \@arabic\cfigure}
15699 \renewcommand\thetable{%
15700   \ifnum \c@chapter>z@\thechapter\@SepMark\fi\@arabic\ctable}

```

88 File fancybox-xetex-bidi.def

```

15701 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15702 \def\fancy@oval#1#2#3{%
15703   \boxmaxdepth \maxdimen
15704   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
15705   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15706   \@ovxx#1\relax
15707   \advance\@ovxx-\@wholewidth
15708   \@ovyy#2\relax
15709   \advance\@ovyy-\@wholewidth
15710   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
15711   \advance\@tempdimb-2\p@
15712   \ifdim\@tempdimb>\the@cornersize\relax
15713     \@tempdimb=\the@cornersize
15714   \fi
15715   \@getcirc\@tempdimb
15716   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
15717   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15718   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15719   \@circlefnt
15720   \setbox\@tempboxa\hbox{\beginL%
15721     \if@ovr \@ovvert32\kern -\@tempdima \fi

```



```

15722 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15723 \if@ovt \@ovhorz \kern -\@ovxx \fi
15724 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
15725 \advance\@ovdx\@ovro
15726 \advance\@ovdy\@ovro
15727 \advance\@ovxx\@wholewidth
15728 \wd\@tempboxa=\@ovxx
15729 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

15730 \ProvidesFile{fancyhdr-xetex-bidi.def}[2024/12/07 v0.8 bidi adaptations for fancyhdr package]
15731
15732 \let\f@nch@everypar\everypar
15733
15734 \bidi@patchcmd\f@nch@head\raggedright\bidi@raggedright
15735 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@head' failed}}
15736 \bidi@patchcmd\f@nch@head\raggedleft\bidi@raggedleft
15737 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@head' failed}}
15738
15739 \bidi@patchcmd\f@nch@foot\raggedright\bidi@raggedright
15740 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@foot' failed}}
15741 \bidi@patchcmd\f@nch@foot\raggedleft\bidi@raggedleft
15742 {}{\bidi@warningnoline{Oops! patching ``string\f@nch@foot' failed}}
15743

```

90 File fix2col-xetex-bidi.def

```

15744 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15745 \def\RTL@outputdblcol{%
15746 \if@firstcolumn
15747 \global\@firstcolumnfalse
15748 \global\setbox\@leftcolumn\copy\@outputbox
15749 \splitmaxdepth\maxdimen
15750 \vbadness\maxdimen
15751 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15752 \toks@\expandafter{\topmark}%
15753 \xdef\@firstcoltopmark{\the\toks@}%
15754 \toks@\expandafter{\splitfirstmark}%
15755 \xdef\@firstcolfirstmark{\the\toks@}%
15756 \ifx\@firstcolfirstmark\@empty
15757 \global\let\@setmarks\relax
15758 \else
15759 \gdef\@setmarks{%
15760 \let\firstmark\@firstcolfirstmark
15761 \let\topmark\@firstcoltopmark}%
15762 \fi
15763 \else \global\@firstcolumntrue
15764 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15765 \hskip \columnwidth
15766 \hfil \vrule width\columnseprule \hfil
15767 \hbox to\columnwidth {%
15768 \bidi@firstcolumn@status@write%
15769 \box\@leftcolumn \hss}%

```



```

15770 \hskip -\textwidth
15771 \hbox to\columnwidth{%
15772 \bidi@lastcolumn@status@write%
15773 \box\@outputbox \hss}%
15774 \hskip \columnsep
15775 \hskip \columnwidth }}%
15776 \@combinedblfloats \@setmarks \@outputpage
15777 \begingroup \@dblfloatplacement \@startdblcolumn
15778 \@whilesw@if@colmade \fi
15779 {\@outputpage \@startdblcolumn }\endgroup
15780 \fi}
15781 \def\LTR@outputdblcol{%
15782   \if@firstcolumn
15783     \global\@firstcolumnfalse
15784     \global\setbox\@leftcolumn\copy\@outputbox
15785     \splitmaxdepth\maxdimen
15786     \vbadness\maxdimen
15787     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15788     \toks@\expandafter{\topmark}%
15789     \xdef\@firstcoltopmark{\the\toks@}%
15790     \toks@\expandafter{\splitfirstmark}%
15791     \xdef\@firstcolfirstmark{\the\toks@}%
15792     \ifx\@firstcolfirstmark\@empty
15793       \global\let\@setmarks\relax
15794     \else
15795       \gdef\@setmarks{%
15796         \let\firstmark\@firstcolfirstmark
15797         \let\topmark\@firstcoltopmark}%
15798     \fi
15799   \else
15800     \global\@firstcolumntrue
15801     \setbox\@outputbox\vbox{%
15802       \hb@xt@\textwidth{%
15803         \hb@xt@\columnwidth{%
15804           \bidi@firstcolumn@status@write%
15805           \box\@leftcolumn \hss}%
15806         \hfil
15807         \vrule \@width\columnseprule
15808         \hfil
15809         \hb@xt@\columnwidth{%
15810           \bidi@lastcolumn@status@write%
15811           \box\@outputbox \hss}}}%
15812   \@combinedblfloats
15813   \@setmarks
15814   \@outputpage
15815   \begingroup
15816   \@dblfloatplacement
15817   \@startdblcolumn
15818   \@whilesw@if@colmade \fi{\@outputpage\@startdblcolumn}%
15819   \endgroup
15820 \fi}

```

91 File fleqn-xetex-bidi.def



```

15821 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX]
15822 \DeclareRobustCommand\{\relax
15823     \ifmode\@badmath
15824     \else
15825     \begin{trivlist}%
15826     \beginparpenalty\predisplaypenalty
15827     \endparpenalty\postdisplaypenalty
15828     \item[]\leavevmode
15829     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
15830     \hskip\mathindent\bgroup
15831     \fi}
15832 \DeclareRobustCommand\{\relax
15833     \ifmode
15834     \egroup $\hfil% $
15835     \endL\egroup
15836     \end{trivlist}%
15837     \else \@badmath
15838     \fi}
15839 \renewenvironment{equation}%
15840     {\beginparpenalty\predisplaypenalty
15841     \endparpenalty\postdisplaypenalty
15842     \refstepcounter{equation}%
15843     \trivlist \item[]\leavevmode
15844     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
15845     \displaystyle
15846     \hskip\mathindent}%
15847     {$\hfil % $
15848     \displaywidth\linewidth\hbox{\@eqnnum}%
15849     \endL\egroup
15850     \endtrivlist}

```

92 File float-xetex-bidi.def

```

15851 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
15852 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15853 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15854 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15855 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
15856 \expandafter\edef\csname the#1\endcsname{%
15857 \expandafter\noexpand\csname
15858 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15859 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

93 File floatrow-xetex-bidi.def

```

15860 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
15861 \renewcommand\flnew@within[1]{\@addtoreset{\FB@captype}{#1}%
15862 \expandafter\edef\csname the\FB@captype\endcsname{%
15863 \expandafter\noexpand\csname
15864 the#1\endcsname\@SepMark\noexpand\arabic{\FB@captype}}%

```

94 File flowfram-xetex-bidi.def

```

15865 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package for XeTeX]

```




```

15866 \def\@outputdblcol{%
15867 \@nxtcol=\c@thisframe
15868 \c@curpg=\c@page
15869 \g@tnextcol{\@nxtcol}%
15870 \if@ff@nwpg % next flow frame starts on new page
15871 \global\@firstcolumntrue
15872 \setcolbox\c@thisframe
15873 \if@specialpage
15874 \global\@specialpagefalse
15875 \@nameuse{ps@\@specialstyle}\relax
15876 \fi
15877 \if@twoside
15878 \ifodd\count\z@
15879 \let\@thehead\@oddhead
15880 \let\@thefoot\@oddfoot
15881 \else
15882 \let\@thehead\@evenhead
15883 \let\@thefoot\@evenfoot
15884 \fi
15885 \else
15886 \let\@thehead\@oddhead
15887 \let\@thefoot\@oddfoot
15888 \fi
15889 \@begindvi
15890 \@dodynamicthehead\@dodynamicthefoot
15891 \vbadness=\@M
15892 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15893 \@combinedblfloats
15894 \@outputpage
15895 \advance\c@curpg by -\c@page\relax
15896 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15897 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15898 \@outputpage}
15899 \begingroup
15900 \dblfloatplacement
15901 \startdblcolumn
15902 \@whilesw \if@colmade \fi
15903 {\@outputpage \@startdblcolumn }\endgroup
15904 \@resetst@tics
15905 \@resetdyn@tics
15906 \else % still on same page, save contents of box255
15907 \global\@firstcolumnfalse
15908 \setcolbox\c@thisframe
15909 \fi
15910 \global\c@thisframe=\@nxtcol
15911 \@setcol{\c@thisframe}\relax
15912 \global\colht\vsiz
15913 }
15914 \def\@outputpage{%
15915 \begingroup
15916 \let\protect\noexpand
15917 \@resetactivechars
15918 \global\let\@if@newlist\if@newlist
15919 \global\@newlistfalse\@parboxrestore

```



```

15920 \global\let\bidibeforeoutputpageshipout\@firstofone
15921 \bidibeforeoutputpageshipouthook
15922 \shipout\vbox{\set@typeset@protect
15923 \aftergroup
15924 \endgroup
15925 \aftergroup
15926 \set@typeset@protect
15927 \reset@font\normalsize
15928 \bidi@font@@outputpage
15929 \normalsfcodes
15930 \let\label@gobble
15931 \let\index@gobble
15932 \let\glossary@gobble
15933 \baselineskip\z@skip
15934 \lineskip\z@skip
15935 \lineskiplimit\z@
15936 \vskip\topmargin\moveright\@themargin
15937 \vbox{%
15938 \global\let\bidibeforeheader\@firstofone
15939 \bidibeforeheaderhook
15940 \vskip\headheight
15941 \vskip\headsep
15942 \global\let\bidibeforeoutputboxoutputpage\@firstofone
15943 \bidibeforeoutputboxoutputpagehook
15944 \box\@outputbox
15945 \global\let\bidiafteroutputboxoutputpage\@firstofone
15946 \bidiafteroutputboxoutputpagehook
15947 }}%
15948 \global\let\bidiafteroutputpageshipout\@firstofone
15949 \bidiafteroutputpageshipouthook
15950 \global\let\ifnewlist\@ifnewlist
15951 \stepcounter{page}%
15952 \setcounter{displayedframe}{0}%
15953 \let\firstmark\botmark
15954 \global\let\bidiatendoutputpage\@firstofone
15955 \bidiatendoutputpagehook
15956 }
15957
15958
15959 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\%
15960 \expandafter\bidicolor\ff@txtcol}}
15961
15962 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
15963 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}}
15964
15965
15966 \renewcommand*\@docolbox}[1]{%
15967 \edef\ff@frametype{%
15968 \csname @ff@frametype@romannumeral#1\endcsname}%
15969 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
15970 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
15971 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
15972 \@ff@setoffset{#1}%
15973 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%

```



```

15974 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
15975 \@@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
15976 {\csname colheight\romannumeral#1\endcsname}{%
15977 \expandafter\box\csname column\romannumeral#1\endcsname}{%
15978 \csname\ff@frametype\endcsname}%
15979 }{%
15980 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
15981 {\csname colheight\romannumeral#1\endcsname}{%
15982 \expandafter\box\csname column\romannumeral#1\endcsname}%
15983 }}}
15984 \@ifclassloaded{book}{%
15985 \renewcommand\theequation
15986   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15987 \renewcommand \thefigure
15988   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15989 \renewcommand \thetable
15990   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15991 \renewcommand \thechapter {\@arabic\c@chapter}
15992 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15993 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15994 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15995 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15996 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{ }
15997 \@ifclassloaded{report}{%
15998 \renewcommand\theequation
15999   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16000 \renewcommand \thefigure
16001   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16002 \renewcommand \thetable
16003   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16004 \renewcommand \thechapter {\@arabic\c@chapter}
16005 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16006 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16007 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16008 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16009 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{ }
16010 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
16011 \rotatebox{#1}{\if@RTL@beginL\fi#2\if@RTL@endL\fi}}%
16012 \else
16013 #2\relax
16014 \fi}

```

95 File footnote-xetex-bidi.def

```

16015 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine]
16016 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
16017 \newif\ifbidi@autofooterule
16018 \def\bidi@mpfootnoterule{\footnoterule}
16019 \newcounter{footdir@label}
16020 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
16021 \newcommand*{\footdir@write}{%
16022   \stepcounter{footdir@label}%
16023   \zref@labelbyprops{\thefootdir@label}{abspage}}%
16024 }

```



```

16025 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
16026 \newtoks\footdir@toks
16027 \newcommand*{\footdir@debug}[1]{%
16028   \iffootdir@debug
16029     \typeout{[footdir] #1}%
16030   \fi
16031 }
16032 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
16033 % \newcommand*{\footdir@LeftRightElse}{%
16034 %   \ltx@ifundefined{footdir@the\value{zabspage}}{%
16035 %     \footdir@debug{abspage \the\value{zabspage}: else}%
16036 %     \ltx@thirdofthree
16037 %   }{%
16038 %     \if\csname footdir@the\value{zabspage}\endcsname L%
16039 %       \footdir@debug{abspage \the\value{zabspage}: left}%
16040 %       \expandafter\ltx@firstofthree
16041 %     \else
16042 %       \footdir@debug{abspage \the\value{zabspage}: right}%
16043 %       \expandafter\ltx@secondofthree
16044 %     \fi
16045 %   }%
16046 % }%
16047 %}%
16048 \providecommand*{\c@zabspage}{\c@abspage}%
16049 \newcommand*{\footdir@LeftRightElse}{%
16050   \footdir@write
16051   \zifrefundefined{\thefootdir@label}{%
16052     \footdir@debug{abspage ??: else}%
16053     \ltx@thirdofthree
16054   }{%
16055     \edef\footdir@abspage{%
16056       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
16057     }%
16058     \ltx@ifundefined{footdir@\footdir@abspage}{%
16059       \footdir@debug{\footdir@abspage: else}%
16060       \ltx@thirdofthree
16061     }{%
16062       \if\csname footdir@\footdir@abspage\endcsname L%
16063         \footdir@debug{\footdir@abspage: left}%
16064         \expandafter\ltx@firstofthree
16065       \else
16066         \footdir@debug{\footdir@abspage: right}%
16067         \expandafter\ltx@secondofthree
16068       \fi
16069     }%
16070   }%
16071 }%
16072 %}
16073 \newcommand*{\footdir@fntext}[1]{%
16074   \zifrefundefined{\thefootdir@label}{%
16075   }{%
16076     \edef\footdir@name{%
16077       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
16078     }%

```



```

16079 \@ifundefined{\footdir@name}{%
16080 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
16081 }{}%
16082 }%
16083 }
16084
16085 \newcommand*{\footdir@temp}[3]{%
16086 \ifdefinable{#1}{%
16087 \let#1#2%
16088 \renewcommand{#2}[1]{%
16089 \footdir@write
16090 \footdir@fntext{#3}%
16091 \stepcounter{footdir@label}%
16092 \footdir@fntext{#3}%
16093 \footdir@toks{##1}%
16094 \footdir@toks\expandafter{%
16095 \the\expandafter\footdir@toks
16096 \expandafter
16097 \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
16098 }%
16099 \expandafter#1\expandafter{\the\footdir@toks}%
16100 }%
16101 }%
16102 }
16103
16104 \def\right@footnoterule{%
16105 \kern-3\p@
16106 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16107 \kern2.6\p@}
16108 \def\left@footnoterule{\kern-3\p@
16109 \hrule \@width .4\columnwidth \kern 2.6\p@}
16110 \def\textwidth@footnoterule{\kern-3\p@
16111 \hrule \@width \columnwidth \kern 2.6\p@}
16112 \def\leftfootnoterule{%
16113 \bidi@autofootnoterulefalse%
16114 \def\footnoterule{\left@footnoterule}}
16115 \let\LRfootnoterule=\leftfootnoterule
16116 \def\rightfootnoterule{%
16117 \bidi@autofootnoterulefalse%
16118 \def\footnoterule{\right@footnoterule}}
16119 \def\textwidthfootnoterule{%
16120 \bidi@autofootnoterulefalse%
16121 \def\footnoterule{\textwidth@footnoterule}}
16122
16123
16124
16125 \def\auto@footnoterule{%
16126 \footdir@LeftRightElse%
16127 \left@footnoterule%
16128 \right@footnoterule%
16129 \left@footnoterule%
16130 }
16131
16132

```



```

16133
16134 \def\autofooterule{%
16135 \bidi@autofooteruletrue%
16136 \def\footnoterule{\auto@footnoterule}%
16137 }
16138
16139 \newcommand*\SplitFootnoteRule{%
16140 \gdef\split@prev{0}
16141 \let\pagefootnoterule\footnoterule
16142 \let\mpfootnoterule\footnoterule
16143 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16144 \def\footnoterule{\relax
16145 \ifx \@listdepth\@mplistdepth
16146 \mpfootnoterule
16147 \else
16148 \ifnum\split@prev=\z@
16149 \pagefootnoterule
16150 \else
16151 \splitfootnoterule
16152 \fi
16153 \xdef\split@prev{\the\insertpenalties}%
16154 \fi
16155 }%
16156 }
16157
16158
16159
16160
16161 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
16162 \protected@xdef\@thefnmark{\thempfn}%
16163 \@footnotemark\@RTLfootnotetext}}
16164 \def\@xRTLfootnote[#1]{%
16165 \begingroup
16166 \csname c@\@mpfn\endcsname #1\relax
16167 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16168 \endgroup
16169 \@footnotemark\@RTLfootnotetext}
16170 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
16171 \protected@xdef\@thefnmark{\thempfn}%
16172 \@footnotemark\@LTRfootnotetext}}
16173 \def\@xLTRfootnote[#1]{%
16174 \begingroup
16175 \csname c@\@mpfn\endcsname #1\relax
16176 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16177 \endgroup
16178 \@footnotemark\@LTRfootnotetext}
16179
16180
16181 \def\setfootnoteRL{\@RTL@footnotetrue}
16182 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16183 \def\setfootnoteLR{\unsetfootnoteRL}
16184
16185 \newcommand*\bidi@@footnotetext@font{\footnotesize}
16186 \newcommand*\bidi@@LTRfootnotetext@font{\footnotesize}

```



```

16187 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
16188
16189 \long\def\@footnotetext#1{\insert\footins{%
16190   \ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
16191   \reset@font%
16192   \bidi@footnotetext@font% \reset@font\footnotesize
16193   \interlinepenalty\interfootnotelinepenalty
16194   \splittopskip\footnotesep
16195   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16196   \hsize\columnwidth \@parboxrestore
16197   \protected@edef\@currentlabel{%
16198     \csname p@footnote\endcsname\@thefnmark
16199   }%
16200   \color@begingroup
16201     \makefntext{%
16202       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16203   \color@endgroup}}%
16204
16205
16206 \long\def\@RTLfootnotetext#1{\insert\footins{%
16207   \RTLtrue%
16208   \reset@font%
16209   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16210   \interlinepenalty\interfootnotelinepenalty
16211   \splittopskip\footnotesep
16212   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16213   \hsize\columnwidth \@parboxrestore
16214   \protected@edef\@currentlabel{%
16215     \csname p@footnote\endcsname\@thefnmark
16216   }%
16217   \color@begingroup
16218     \makefntext{%
16219       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16220   \color@endgroup}}%
16221
16222 \long\def\@LTRfootnotetext#1{\insert\footins{%
16223   \RTLfalse%
16224   \reset@font%
16225   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16226   \interlinepenalty\interfootnotelinepenalty
16227   \splittopskip\footnotesep
16228   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16229   \hsize\columnwidth \@parboxrestore
16230   \protected@edef\@currentlabel{%
16231     \csname p@footnote\endcsname\@thefnmark
16232   }%
16233   \color@begingroup
16234     \makefntext{%
16235       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16236   \color@endgroup}}%
16237
16238 \AtBeginDocument{%
16239 \ifRTL@footnote
16240   \newcommand*{\bidi@footdir@footnote}{R}

```



```

16241 \else
16242   \newcommand*{\bidi@footdir@footnote}{L}
16243 \fi%
16244 }
16245
16246 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16247 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16248 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
16249
16250 \long\def\@mpRTLfootnotetext#1{%
16251   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
16252   \global\setbox\@mpfootins\vbox{%
16253     \unvbox\@mpfootins
16254     \@RTLtrue
16255     \reset@font%
16256     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16257     \hsize\columnwidth
16258     \@parboxrestore
16259     \protected@edef\@currentlabel
16260       {\csname p@mpfootnote\endcsname\@thefnmark}%
16261     \color@begingroup
16262     \makefntext{%
16263       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16264     \color@endgroup}}
16265 \long\def\@mpLTRfootnotetext#1{%
16266   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
16267   \global\setbox\@mpfootins\vbox{%
16268     \unvbox\@mpfootins
16269     \@RTLfalse
16270     \reset@font%
16271     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16272     \hsize\columnwidth
16273     \@parboxrestore
16274     \protected@edef\@currentlabel
16275       {\csname p@mpfootnote\endcsname\@thefnmark}%
16276     \color@begingroup
16277     \makefntext{%
16278       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16279     \color@endgroup}}
16280 \long\def\@mpfootnotetext#1{%
16281   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
16282   \global\setbox\@mpfootins\vbox{%
16283     \unvbox\@mpfootins
16284     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
16285     \reset@font%
16286     \bidi@footnotetext@font% \reset@font\footnotesize
16287     \hsize\columnwidth
16288     \@parboxrestore
16289     \protected@edef\@currentlabel
16290       {\csname p@mpfootnote\endcsname\@thefnmark}%
16291     \color@begingroup
16292     \makefntext{%
16293       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16294     \color@endgroup}}

```




```

16295 \def\@iiiminipage#1#2[#3]#4{%
16296   \leavevmode
16297   \@pboxswfalse
16298   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16299   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16300   \setlength\@tempdima{#4}%
16301   \def\@mpargs{#{1}#{2}[#{3}#{4}]%
16302   \setbox\@tempboxa\vbox\bgroup
16303     \color@begingroup
16304       \hsize\@tempdima
16305       \textwidth\hsize \columnwidth\hsize
16306       \@parboxrestore
16307       \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16308       \let\@footnotetext\@mpfootnotetext
16309       \let\@LTRfootnotetext\@mpLTRfootnotetext
16310       \let\@RTLfootnotetext\@mpRTLfootnotetext
16311       \let\@listdepth\@mpplistdepth \@mpplistdepth\z@
16312       \@minipagerestore
16313       \@setminipage}
16314 \def\endminipage{%
16315   \par
16316   \unskip
16317   \ifvoid\@mpfootins\else
16318     \vskip\skip\@mpfootins
16319     \normalcolor
16320     \bidi@mpfootnoterule
16321     \unvbox\@mpfootins
16322   \fi
16323   \@minipagefalse   %% added 24 May 89
16324   \color@endgroup
16325   \egroup
16326   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
16327 \def\LTRthanks#1{\footnotemark
16328   \protected@xdef\@thanks{\@thanks
16329     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16330 }
16331 \def\LTRfootnotetext{%
16332   \@ifnextchar [\@xLTRfootnotenext
16333     {\protected@xdef\@thefnmark{\thempfn}%
16334     \@LTRfootnotetext}}
16335 \def\@xLTRfootnotenext[#1]{%
16336   \begingroup
16337     \csname c@\@mpfn\endcsname #1\relax
16338     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16339   \endgroup
16340   \@LTRfootnotetext}
16341 \def\RTLthanks#1{\footnotemark
16342   \protected@xdef\@thanks{\@thanks
16343     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16344 }
16345 \let\@thanks\@empty
16346 \def\RTLfootnotetext{%
16347   \@ifnextchar [\@xRTLfootnotenext
16348     {\protected@xdef\@thefnmark{\thempfn}%

```



```

16349 \@RTLfootnotetext}}
16350 \def\@xRTLfootnotenext[#1]{%
16351 \begingroup
16352 \csname c@\@mpfn\endcsname #1\relax
16353 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16354 \endgroup
16355 \@RTLfootnotetext}
16356 \leftfootnoterule

```

96 File footnotebackref-xetex-bidi.def

```

16357 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16358 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16359 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16360
16361 \renewcommand*\LTRfootnote{%
16362 \refstepcounter{BackrefHyperFootnoteCounter}%
16363 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16364 \label{\BackrefFootnoteTag}%
16365 \@ifnextchar[\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote]}
16366
16367 \renewcommand*\RTLfootnote{%
16368 \refstepcounter{BackrefHyperFootnoteCounter}%
16369 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16370 \label{\BackrefFootnoteTag}%
16371 \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote]}
16372 \newcommand\Backref@HyperLTRFootnote[1]{%
16373 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16374
16375 \newcommand\Backref@HyperRTLFootnote[1]{%
16376 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16377
16378 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16379 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16380
16381 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16382 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16383
16384 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16385 \ifFootnoteBackref@numberlinked
16386 \renewcommand{\footfootmark}{%
16387 \ifdim\footmarkwidth < \z@
16388 \llap{\hb@xt@ -\footmarkwidth{%
16389 \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16390 \hspace*{-\footmarkwidth}}}%
16391 \else
16392 \ifdim\footmarkwidth = \z@
16393 {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16394 \else
16395 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16396 \fi
16397 \fi}
16398 \renewcommand{\LTRfootfootmark}{%
16399 \ifdim\footmarkwidth < \z@

```



```

16400 \llap{\hb@xt@ -\footmarkwidth{%
16401 \hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16402 \hspace*{-\footmarkwidth}}%
16403 \else
16404 \ifdim\footmarkwidth = \z@
16405 {\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16406 \else
16407 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16408 \fi
16409 \fi}
16410 \renewcommand{\RTLfootfootmark}{%
16411 \ifdim\footmarkwidth < \z@
16412 \llap{\hb@xt@ -\footmarkwidth{%
16413 \hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16414 \hspace*{-\footmarkwidth}}%
16415 \else
16416 \ifdim\footmarkwidth = \z@
16417 {\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16418 \else
16419 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref [\BackrefFootnoteTag]{\@thefnmark}}}%
16420 \fi
16421 \fi}
16422 \fi
16423 }

```

97 File framed-xetex-bidi.def

```

16424 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
16425 \renewcommand\TitleBarFrame[3] [] {\begingroup
16426 \ifx\delimiter#1\delimiter
16427 \let\TF@conlab\empty
16428 \else
16429 \def\TF@conlab{% continuation label
16430 \nointerlineskip
16431 \smash{\rlap{\kern\wd@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
16432 \fi
16433 %\let\TF@savecolor\current@color
16434 \textcolor{TF@FrameColor}{%
16435 \CustomFBox
16436 {\TF@Title{#2}}{\TF@conlab}%
16437 \fbboxrule\fbboxrule\fbboxrule\fbboxrule
16438 %{\let\current@color\TF@savecolor\set@color #3}%
16439 {\normalcolor #3}%
16440 }\endgroup
16441 }
16442 \renewenvironment{titled-frame}[1]{%
16443 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
16444 \TitleBarFrame{\textbf{#1}}}%
16445 \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
16446 \TitleBarFrame [\$if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
16447 \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
16448 \TitleBarFrame [\$if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} \ (cont)}}
16449 \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
16450 \TitleBarFrame{\textbf{#1} \ (cont)}}}%

```



```

16451 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16452 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16453 % could interfere with the width measurement.
16454 {\endMakeFramed}
16455 \chardef\FrameRestore=\catcode`\| % for debug
16456 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
16457 \def\fb@put@frame#1#2{\relax
16458 \ifdim\pagegoal=\maxdimen \pagegoal\vszize \fi
16459 | \message{===== Entering putframe =====^J
16460 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
16461 \ifinner
16462 \fb@putboxa#1%
16463 \fb@afterframe
16464 \else
16465 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
16466 \ifdim\dimen@<2\baselineskip % Too little room on page
16467 | \message{Page has only \the\dimen@\space room left; eject. }%
16468 \eject \fb@adjheight \fb@put@frame#1#2%
16469 \else % there's appreciable room left on the page
16470 \fb@sizeofframe#1%
16471 | \message{\string\pagetotal=\the\pagetotal,
16472 | \string\pagegoal=\the\pagegoal,
16473 | \string\pagestretch=\the\pagestretch,
16474 | \string\pageshrink=\the\pageshrink,
16475 | \string\fb@frh=\the\fb@frh. \space}
16476 | \message{^^JBox of size \the\ht\@tempboxa\space}%
16477 \begingroup % temporarily set \dimen@ to be...
16478 \advance\dimen@.8\pageshrink % maximum space available on page
16479 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16480 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16481 \expandafter\endgroup
16482 % expand \ifdim, then restore \dimen@ to real room left on page
16483 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
16484 | \message{fits in \the\dimen@. }%
16485 % ToDo: Change this to use vsplit anyway to capture the marks
16486 % MERGE THIS WITH THE else CLAUSE!!!
16487 \fb@putboxa#1%
16488 \fb@afterframe
16489 \else % box must be split
16490 | \message{must be split to fit in \the\dimen@. }%
16491 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16492 \fb@sizeofframe#2%
16493 \setbox\@tempboxa\ vbox{% simulate frame and flexibility of the page:
16494 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16495 \kern137sp\kern-137sp\penalty-30
16496 \unvbox\@tempboxa}%
16497 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16498 \splittopskip\the\splittopskip}%
16499 \boxmaxdepth\z@ \splittopskip\z@
16500 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
16501 % Split box here
16502 \setbox\tw@\ vsplit\@tempboxa to\dimen@
16503 | \toks99\expandafter{\splitfirstmark}%
16504 | \toks98\expandafter{\splitbotmark}%

```



```

16505 | \message{Marks are: \the\toks99, \the\toks98. }%
16506 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
16507 | \message{Natural height of split box is \the\ht\tw@, leaving
16508 | \the\ht\@tempboxa\space remainder. }%
16509 | % If the split-to size > (\vsize-\topskip), then set box to full size.
16510 | \begingroup
16511 | \advance\dimen@\topskip
16512 | \expandafter\endgroup
16513 | \ifdim\dimen@>\pagegoal
16514 | \message{Frame is big -- Use up the full column. }%
16515 | \dimen@ii\pagegoal
16516 | \advance\dimen@ii -\topskip
16517 | \advance\dimen@ii \FrameHeightAdjust\relax
16518 | \else % suspect this is implemented incorrectly:
16519 | % If the split-to size > feasible room_on_page, rebox it smaller.
16520 | \advance\dimen@.8\pageshrink
16521 | \ifdim\ht\tw@>\dimen@
16522 | \message{Box too tall; rebox it to \the\dimen@. }%
16523 | \dimen@ii\dimen@
16524 | \else % use natural size
16525 | \dimen@ii\ht\tw@
16526 | \fi
16527 | \fi
16528 | % Re-box contents to desired size \dimen@ii
16529 | \advance\dimen@ii -\fb@frh
16530 | \setbox\tw@\vbox to\dimen@ii \bgroup
16531 | % remove simulated frame and page flexibility:
16532 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16533 | \unvbox\tw@ \unpenalty\unpenalty
16534 | \ifdim\lastkern=-137sp % whole box went to next page
16535 | \message{box split at beginning! }%
16536 | % need work here???
16537 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16538 | \fb@adjheight
16539 | \fb@put@frame#1#2% INSERTED ???
16540 | \else % Got material split off at the head
16541 | \egroup \fb@resto@set
16542 | \ifvoid\@tempboxa % it all fit after all
16543 | \message{box split at end! }%
16544 | \setbox\@tempboxa\box\tw@
16545 | \fb@putboxa#1%
16546 | \fb@afterframe
16547 | \else % it really did split
16548 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16549 | \ifdim\wd\tw@>\z@
16550 | \wd\tw@\wd\@tempboxa
16551 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16552 | \else
16553 | \message{Zero width means likely blank. Don't frame it (guess)}%
16554 | \box\tw@
16555 | \fi
16556 | \hrule \@height\z@ \@width\hsize
16557 | \eject
16558 | \fb@adjheight

```



```

16559             \fb@put@frame\LastFrameCommand\MidFrameCommand
16560 \fi\fi\fi\fi\fi
16561 }
16562 \def\fb@putboxa#1{%
16563 \ifvoid\@tempboxa
16564 \PackageWarning{framed}{Boxa is void -- discard it. }%
16565 \else
16566 | \message{Frame and place boxa. }%
16567 | %{\showoutput\showbox\@tempboxa}%
16568 \centerline{#1{\hboxL{\box\@tempboxa}}}%
16569 \fi
16570 }
16571 \catcode`\|= \FrameRestore
16572 \def\FrameRestore{%
16573 \let\if@nobreak\iffalse
16574 \let\if@noskipsec\iffalse
16575 \let\-\@dischyp
16576 \let'\@acci\let\`@\accii\let\=\@acciii
16577 % \message{FrameRestore:
16578 % \totalleftmargin=\the \totalleftmargin,
16579 % \rightmargin=\the\rightmargin,
16580 % \listdepth=\the\@listdepth. }%
16581 % Test if we are in a list (or list-like paragraph)
16582 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
16583 \ifdim\rightmargin>\z@ 1\fi
16584 \ifnum\@listdepth>\z@ 1\fi 0>\z@
16585 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\@totalleft
16586 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16587 % \labelwidth=\the\labelwidth. }%
16588 \@setminipage % snug fit around the item
16589 % Now try to propagate changes of width from \hsize to list parameters.
16590 % This is deficient, but a more advanced way to indicate modification to text
16591 % dimensions is not (yet) provided; in particular, no separate left/right
16592 % adjustment.
16593 \advance\linewidth-\columnwidth \advance\linewidth\hsize
16594 \parshape\@ne \totalleftmargin \linewidth
16595 \else % Not in list
16596 \linewidth=\hsize
16597 %\message{No list, set \string\linewidth=\the\hsize. }%
16598 \fi
16599 \sloppy
16600 }

```

98 File `ftnright-xetex-bidi.def`

```

16601 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright packag
16602
16603 \def\prepare@bidi@copyins{%
16604 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
16605 \global\skip\@bidi@copyins@\z@
16606 \global\count\@bidi@copyins@\z@
16607 \global\dimen\@bidi@copyins@\textheight}
16608
16609 \newskip\bidi@rcol@copyinsskip

```



```

16610
16611 \def\LTR@outputdblcol{%
16612   \if@firstcolumn
16613     \global\@firstcolumnfalse
16614     \global\setbox\@leftcolumn\copy\@outputbox
16615     \global\count\footins\@m
16616     \global\skip\footins\rcol@footinsskip
16617     \global\count\@bidi@copyins@\@m
16618     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16619     \splitmaxdepth\maxdimen
16620     \vbadness\maxdimen
16621     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16622     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16623     \toks@\expandafter{\topmark}%
16624     \xdef\@firstcoltopmark{\the\toks@}%
16625     \toks@\expandafter{\splitfirstmark}%
16626     \xdef\@firstcolfirstmark{\the\toks@}%
16627     \ifx\@firstcolfirstmark\@empty
16628       \global\let\@setmarks\relax
16629     \else
16630       \gdef\@setmarks{%
16631         \let\firstmark\@firstcolfirstmark
16632         \let\topmark\@firstcoltopmark}%
16633     \fi
16634   \else
16635     \preparefootins
16636     \prepare@bidi@copyins
16637     \global\@firstcolumntrue
16638     \setbox\@outputbox\vbox{%
16639       \hb@xt@\textwidth{%
16640         \hb@xt@\columnwidth{%
16641           \bidi@firstcolumn@status@write%
16642           \box\@leftcolumn \hss}%
16643         \hfil
16644         {\normalcolor\vrule \@width\columnseprule}%
16645         \hfil
16646         \hb@xt@\columnwidth{%
16647           \bidi@lastcolumn@status@write%
16648           \box\@outputbox \hss}}}%
16649   \@combinedblfloats
16650   \@setmarks
16651   \@outputpage
16652   \begingroup
16653     \@dblfloatplacement
16654     \@startdblcolumn
16655     \@whilesw\if@fcolmade \fi{\@outputpage
16656     \@startdblcolumn}%
16657   \endgroup
16658 \fi}%
16659
16660 \def\RTL@outputdblcol{%
16661   \if@firstcolumn
16662     \global\@firstcolumnfalse
16663     \global\setbox\@leftcolumn\copy\@outputbox

```



```

16664 \global\count\footins\@m
16665 \global\skip\footins\rcol@footinsskip
16666 \global\count\@bidi@copyins@\@m
16667 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16668 \splitmaxdepth\maxdimen
16669 \vbadness\maxdimen
16670 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16671 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16672 \toks@\expandafter{\topmark}%
16673 \xdef\@firstcoltopmark{\the\toks@}%
16674 \toks@\expandafter{\splitfirstmark}%
16675 \xdef\@firstcolfirstmark{\the\toks@}%
16676 \ifx\@firstcolfirstmark\@empty
16677 \global\let\@setmarks\relax
16678 \else
16679 \gdef\@setmarks{%
16680 \let\firstmark\@firstcolfirstmark
16681 \let\topmark\@firstcoltopmark}%
16682 \fi
16683 \else
16684 \preparefootins
16685 \prepare@bidi@copyins
16686 \global\@firstcolumntrue
16687 \setbox\@outputbox\vbox{%
16688 \hb@xt@\textwidth{%
16689 \hskip \columnwidth
16690 \hfil
16691 {\normalcolor\vrule \@width\columnseprule}%
16692 \hfil
16693 \hb@xt@\columnwidth{%
16694 \bidi@firstcolumn@status@write%
16695 \box\@leftcolumn \hss}%
16696 \hskip -\textwidth
16697 \hb@xt@\columnwidth{%
16698 \bidi@lastcolumn@status@write%
16699 \box\@outputbox \hss}%
16700 \hskip \columnsep
16701 \hskip \columnwidth }}%
16702 \@combinedblfloats
16703 \@setmarks
16704 \@outputpage
16705 \begingroup
16706 \@dblfloatplacement
16707 \@startdblcolumn
16708 \@whilesw\if@fcolmade \fi{\@outputpage
16709 \@startdblcolumn}%
16710 \endgroup
16711 \fi}%
16712
16713 \def\@startcolumn{%
16714 \ifx\@deferlist\@empty
16715 \global\@fcolmadefalse
16716 \global\@colroom\@colht
16717 \else

```




```

16718 \ifvoid\footins\else
16719   \ftn@amount\ht\footins
16720   \advance\ftn@amount\dp\footins
16721   \advance\ftn@amount\skip\footins
16722 \fi
16723 \ifvoid\@bidi@copyins@\else
16724   \bidi@copyins@amount\ht\@bidi@copyins@
16725   \advance\bidi@copyins@amount\dp\@bidi@copyins@
16726   \advance\bidi@copyins@amount\skip\@bidi@copyins@
16727 \fi
16728 \global\advance\@colht-\ftn@amount
16729 \global\advance\@colht-\bidi@copyins@amount
16730 \global\@colroom\@colht
16731 \@xstartcol
16732 \global\advance\@colht\ftn@amount
16733 \global\advance\@colroom\ftn@amount
16734 \global\advance\@colht\bidi@copyins@amount
16735 \global\advance\@colroom\bidi@copyins@amount
16736 \fi
16737 \if@fcolmade
16738   \setbox\@cclv\box\@outputbox
16739   \@makecol
16740 \else
16741   \ifvoid\footins\else
16742     \insert\footins{\unvbox\footins}\fi
16743   \ifvoid\@bidi@copyins@\else
16744     \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
16745 \fi}
16746
16747 \newdimen\bidi@copyins@amount
16748
16749 \def\@makecol{\if@firstcolumn
16750   \setbox\@outputbox\box\@cclv
16751   \if@twocolumn \else
16752     \ifvoid\footins \else
16753       \@latexerr{ftnright package
16754         used in one-column mode}%
16755     {The ftnright package was designed to
16756     work with LaTeX's standard^^Jtwocolumn
16757     option. It does *not* work with the
16758     multicol package.^^JSo please specify
16759     `twocolumn' in the
16760     \noexpand\documentclass command.}%
16761     \shipout\box\footins \fi
16762   \ifvoid\@bidi@copyins@ \else
16763     \@latexerr{ftnright package
16764       used in one-column mode}%
16765   {The ftnright package was designed to
16766   work with LaTeX's standard^^Jtwocolumn
16767   option. It does *not* work with the
16768   multicol package.^^JSo please specify
16769   `twocolumn' in the
16770   \noexpand\documentclass command.}%
16771   \shipout\box\@bidi@copyins@ \fi\fi

```



```

16772 \ifnum\insertpenalties>\z@
16773   \@latexerr{ftnright package
16774     scrambled footnotes}%
16775 {There is too much footnote material in
16776   the first column and ftnright^^Jis
16777   unable to cope with this.^^JYou need
16778   to reduce the amount to get a properly
16779   formatted page.}%
16780 \fi
16781 \else
16782 \ifvoid\footins
16783   \ifvoid\@bidi@copyins@
16784     \setbox\@outputbox\box\@cclv
16785   \else
16786     \setbox\@outputbox\vbox
16787     {\ifvoid\@cclv \else
16788       \unvbox\@cclv
16789       \vskip \skip\@bidi@copyins@
16790     \fi
16791     \color@begingroup
16792     \normalcolor
16793     \unvbox \@bidi@copyins@
16794     \color@endgroup}%
16795   \fi
16796 \else
16797   \setbox\@outputbox\vbox
16798   {\ifvoid\@cclv \else
16799     \unvbox\@cclv
16800     \vskip\skip\footins\fi
16801     \color@begingroup
16802     \normalcolor
16803     \footnoterule\unvbox\footins
16804     \color@endgroup
16805     \ifvoid\@bidi@copyins@
16806     \else
16807       \vskip \skip\@bidi@copyins@
16808       \color@begingroup
16809       \normalcolor
16810       \unvbox \@bidi@copyins@
16811       \color@endgroup
16812     \fi
16813   }%
16814 \fi
16815 \fi
16816 \xdef\@freelist{\@freelist\@midlist}%
16817 \global \let \@midlist \@empty
16818 \@combinefloats
16819 \ifvbox\@kludgeins
16820   \@makespecialcolbox
16821 \else
16822   \setbox\@outputbox\vbox to\@colht
16823   {\boxmaxdepth\maxdepth
16824     \@texttop
16825     \@tempdima\dp\@outputbox

```



```

16826     \unvbox\@outputbox
16827     \vskip-\@tempdima
16828     \@textbottom}%
16829 \fi
16830 \global\maxdepth\@maxdepth}
16831
16832 \let\leftfootnoterule\@empty
16833 \let\rightfootnoterule\@empty
16834 \let\textwidthfootnoterule\@empty
16835 \let\autofootnoterule\@empty
16836 \let\footnoterule\@empty
16837 \long\def\@makefnmark#1{\parindent 1em
16838     \noindent\hbox to 2em{}}%
16839     \llap{\@thefnmark\hbox{.}\,\,}\#1}
16840
16841 \setlength{\skip\@bidi@copyins@}
16842     {10pt plus 5pt minus 3pt}
16843 \AtBeginDocument{\prepare@bidi@copyins}

```

99 File graphicx-xetex-bidi.def

```

16844 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16845 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
16846     \Grot@setangle{#1}%
16847     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
16848     \Grot@x\z@
16849     \Grot@y\z@
16850     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16851 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16852     \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
16853     \Grot@x\width \divide\Grot@x\tw@
16854     \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16855     \setkeys{Grot}{#1}%
16856     \setbox\z@\box@tempboxa
16857     \Grot@setangle{#2}%
16858     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16859     \@end@tempboxa}
16860 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16861     \leavevmode
16862     \def\Gscale@x{#1}\def\Gscale@y{#2}%
16863     \setbox\z@\hbox{#3}%
16864     \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16865     \ifdim#2\p@<\z@
16866         \ht\tw@-#2\dp\z@
16867         \dp\tw@-#2\ht\z@
16868     \else
16869         \ht\tw@#2\ht\z@
16870         \dp\tw@#2\dp\z@
16871     \fi
16872     \ifdim#1\p@<\z@
16873         \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16874     \else
16875         \wd\tw@#1\wd\z@
16876     \box\tw@

```



```

16877 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16878 \def\Gin@iii[#1,#2][#3,#4]#5{%
16879 \begingroup
16880 \ifmmode\else\if@RTL\beginL\fi\fi
16881 \Gin@bboxtrue
16882 \Gin@defaultbp\Gin@llx{#1}%
16883 \Gin@defaultbp\Gin@lly{#2}%
16884 \Gin@defaultbp\Gin@urx{#3}%
16885 \Gin@defaultbp\Gin@ury{#4}%
16886 \Gin@include@graphics{#5}%
16887 \ifmmode\else\if@RTL\endL\fi\fi
16888 \endgroup}
16889 \def\Gin@ii[#1]#2{%
16890 \def\@tempa{[]}\def\@tempb{#2}%
16891 \ifx\@tempa\@tempb
16892 \def\@tempa{\Gin@iii[#1] []}%
16893 \expandafter\@tempa
16894 \else
16895 \begingroup
16896 \ifmmode\else\if@RTL\beginL\fi\fi
16897 \@tempswafalse
16898 \toks@{\Gin@include@graphics{#2}}%
16899 \setkeys{Gin}{#1}%
16900 \Gin@esetsize
16901 \the\toks@
16902 \ifmmode\else\if@RTL\endL\fi\fi
16903 \endgroup
16904 \fi}
16905 \def\reflectbox{\bidiGscale@box-1[1]}
16906 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16907 \leavevmode
16908 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16909 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16910 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16911 \ifdim#2\p@<\z@
16912 \ht\tw@-#2\dp\z@
16913 \dp\tw@-#2\ht\z@
16914 \else
16915 \ht\tw@#2\ht\z@
16916 \dp\tw@#2\dp\z@
16917 \fi
16918 \ifdim#1\p@<\z@
16919 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16920 \else
16921 \wd\tw@#1\wd\z@
16922 \box\tw@
16923 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16924 \def\scalebox#1{%
16925 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}]
16926 \def\resizebox{%
16927 \leavevmode
16928 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16929 \def\bidiGscale@@box#1#2#3{%
16930 \let\@tempa\Gin@exclamation

```



```

16931 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16932 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16933 \ifx\@tempb\@tempa
16934 \ifx\@tempc\@tempa
16935 \toks@{\mbox}%
16936 \else
16937 \toks@{\bidiGscale@box@dd{#3}#1}%
16938 \fi
16939 \else
16940 \ifx\@tempc\@tempa
16941 \toks@{\bidiGscale@box@dd{#2}\width}%
16942 \else
16943 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16944 \fi
16945 \fi
16946 \the\toks@}
16947 \long\def\bidiGscale@box@dd#1#2#3{%
16948 \@begin@tempboxa\hbox{\ifmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi}%
16949 \setlength\@tempdima{#1}%
16950 \setlength\@tempdimb{#2}%
16951 \Gscale@div\@tempa\@tempdima\@tempdimb
16952 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16953 \@end@tempboxa}
16954 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
16955 \@begin@tempboxa\hbox{\ifmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi}%
16956 \setlength\@tempdima{#1}%
16957 \setlength\@tempdimb{#2}%
16958 \Gscale@div\@tempa\@tempdima\@tempdimb
16959 \setlength\@tempdima{#3}%
16960 \setlength\@tempdimb{#4}%
16961 \Gscale@div\@tempb\@tempdima\@tempdimb
16962 \ifGin@iso
16963 \ifdim\@tempa\p@>\@tempb\p@
16964 \let\@tempa\@tempb
16965 \else
16966 \let\@tempb\@tempa
16967 \fi
16968 \fi
16969 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16970 \@end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

16971 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16972 \renewcommand*\Gm@vrules@mpi{%
16973 \if@RTLmain%
16974 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16975 \llap{\Gm@vrule}\ignorespaces
16976 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16977 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
16978 \else%
16979 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16980 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16981 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%

```



```

16982 \renewcommand*\Gm@vrules@mpii}{%
16983 \if@RTLmain%
16984 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
16985 \hskip \textwidth\Gm@vrule\hskip \marginparsep
16986 \llap{\Gm@vrule}\hfil\Gm@vrule}}%
16987 \else%
16988 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16989 \llap{\Gm@vrule}\ignorespaces
16990 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16991 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
16992 \bidi@patchcmd{\Gm@pageframes}{%
16993 \ifodd\count\z@
16994 \let\@themargin\oddsidemargin
16995 \else
16996 \let\@themargin\evensidemargin
16997 \fi
16998 }{%
16999 \ifodd\count\z@
17000 \if@RTLmain
17001 \let\@themargin\evensidemargin
17002 \else
17003 \let\@themargin\oddsidemargin
17004 \fi
17005 \else
17006 \if@RTLmain
17007 \let\@themargin\oddsidemargin
17008 \else
17009 \let\@themargin\evensidemargin
17010 \fi
17011 \fi
17012 }-{}-{}

```

101 File hvfloat-xetex-bidi.def

```

17013 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package
17014 \def\do@hvFloat[#1]#2#3{%
17015 \def\hv@shortCap{#1}
17016 \def\hv@longCap{#2}
17017 \def\hv@label{#3}
17018 %\newcommand*\{hvFloat}[5] [] {%
17019 % [#1]: keyvalues
17020 % #2: type figure | table | ...
17021 % #3: float contents
17022 % [#4]: short caption
17023 % #5: caption
17024 % #6: label
17025 % \setDefault%
17026 % \def\@tempa{#1}%
17027 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
17028 \def\@tempa{90}%
17029 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
17030 \else \setlength{\hvMaxCapWidth}{\linewidth}
17031 \fi
17032 %

```



```

17033 % First we save the object in \hvObjectBox
17034 %
17035 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
17036 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
17037 \else
17038 \savebox{\hvObjectBox}{%
17039 \rotatebox{\hvSet@objectAngle}{%
17040 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
17041 \fi
17042 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
17043 %
17044 % Now we save the caption with its defined \hvCapWidth
17045 %
17046 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
17047 \else
17048 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
17049 \else
17050 \setlength{\hvCapWidth}{\hvObjectWidth}
17051 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17052 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17053 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
17054 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
17055 \else
17056 \setlength{\hvCapWidth}{\hvMaxCapWidth}
17057 \fi
17058 \fi
17059 \fi
17060 %
17061 % now we have the object and the caption with the right
17062 % rotated angles saved in boxes
17063 %
17064 \def\fps@figure{\hvSet@floatPos}
17065 \ifhv@nonFloat\begin{group}% Start the nonfloat part
17066 \else \begin{\hv@floatType}% Start the floating environment
17067 \fi%
17068 \saveCaptionSkip% we put this space ourselve
17069 \ifx\hvSet@capAngle\hv@Width % need rotation?
17070 \sbox{\hvCaptionBox}{%
17071 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17072 \ifhv@nonFloat%
17073 \ifhv@onlyText#2%
17074 \else%
17075 \ifx\hv@floatType\hv@figure
17076 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17077 \else
17078 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17079 \fi
17080 \fi
17081 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17082 \fi%
17083 \label{#3}%
17084 \end{minipage}%
17085 }%
17086 \else%

```



```

17087 \sbox{\hvCaptionBox}{%
17088 \rotatebox{\hvSet@capAngle}{%
17089 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17090 \ifhv@nonFloat%
17091 \ifhv@onlyText#2%
17092 \else%
17093 \ifx\hv@floatType\hv@figure
17094 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17095 \else
17096 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17097 \fi
17098 \fi
17099 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17100 \fi%
17101 \label{#3}%
17102 \end{minipage}%
17103 }%
17104 }%
17105 \fi%
17106 %%
17107 \restoreCaptionSkip% save old values
17108 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
17109 \else%
17110 \ifx\hvSet@objectPos\hv@Center
17111 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17112 \fi%
17113 \fi%
17114 %
17115 % to rotate object and caption together, we save all in another box
17116 % the caption comes first, if its on the left or the top
17117 %
17118 \savebox{\@tempboxa}{%
17119 \ifx\hvSet@capPos\hv@Left % caption on left side
17120 \ifRTL%
17121 \ifx\hvSet@capVPos\hv@Center%
17122 \ifhv@fbox
17123 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17124 \else
17125 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17126 \fi%
17127 \hspace{\hvSet@floatCapSep pt}%
17128 \ifhv@fbox
17129 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17130 \else
17131 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17132 \fi%
17133 \else%
17134 \ifx\hvSet@capVPos\hv@Top
17135 \ifhv@fbox
17136 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17137 \else
17138 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17139 \fi%
17140 \hspace{\hvSet@floatCapSep pt}%

```




```

17141     \ifhv@fbox
17142     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17143     \else
17144     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17145     \fi
17146     \else
17147     \ifhv@fbox
17148     \fbox{\usebox{\hvObjectBox}}%
17149     \else
17150     \usebox{\hvObjectBox}%
17151     \fi
17152     \hspace{\hvSet@floatCapSep pt}%
17153     \ifhv@fbox
17154     \fbox{\usebox{\hvCaptionBox}}%
17155     \else
17156     \usebox{\hvCaptionBox}%
17157     \fi%
17158     \fi%
17159 \fi%
17160 \else% not RTL
17161     \ifx\hvSet@capVPos\hv@Center%
17162     \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17163     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17164     \fi%
17165     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17166     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17167     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17168     \fi%
17169 \else%
17170     \ifx\hvSet@capVPos\hv@Top % caption at top
17171     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17172     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17173     \fi
17174     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17175     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17176     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
17177     \fi%
17178 \else% caption on bottom
17179     \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17180     \else\usebox{\hvCaptionBox}
17181     \fi%
17182     \hspace{\hvSet@floatCapSep pt}%
17183     \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17184     \else     \usebox{\hvObjectBox}
17185     \fi%
17186     \fi%
17187 \fi% end of RTL
17188 \fi%
17189 \else
17190     \ifx\hvSet@capPos\hv@Top
17191     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17192     \begin{minipage}{\wd\hvCaptionBox}
17193     \else
17194     \begin{minipage}{\wd\hvObjectBox}

```



```

17195 \fi
17196 \centering
17197 \ifhv@fbox
17198 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17199 \fbox{\usebox{\hvObjectBox}}
17200 \else
17201 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17202 \usebox{\hvObjectBox}
17203 \fi%
17204 \end{minipage}
17205 \else
17206 \ifx\hvSet@capPos\hv@Bottom
17207 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17208 \begin{minipage}{\wd\hvCaptionBox}
17209 \else
17210 \begin{minipage}{\wd\hvObjectBox}
17211 \fi
17212 \centering
17213 \ifhv@fbox
17214 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17215 \fbox{\usebox{\hvCaptionBox}}
17216 \else
17217 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
17218 \usebox{\hvCaptionBox}
17219 \fi%
17220 \end{minipage}
17221 \else% the last option: put the caption on the right
17222 \if@RTL%
17223 \ifx\hvSet@capVPos\hv@Center%
17224 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17225 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17226 \fi%
17227 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17228 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17229 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17230 \fi%
17231 \else%
17232 \ifx\hvSet@capVPos\hv@Top % caption at top
17233 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17234 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17235 \fi
17236 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17237 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17238 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17239 \fi%
17240 \else% caption on bottom
17241 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
17242 \else\usebox{\hvCaptionBox}
17243 \fi%
17244 \hspace{\hvSet@floatCapSep pt}%
17245 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
17246 \else \usebox{\hvObjectBox}
17247 \fi%
17248 \fi%

```



```

17249 \fi%
17250 \else% not RTL
17251 \ifx\hvSet@capVPos\hv@Center%
17252 \ifhv@fbox
17253 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17254 \else
17255 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17256 \fi%
17257 \hspace{\hvSet@floatCapSep pt}%
17258 \ifhv@fbox
17259 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17260 \else
17261 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17262 \fi%
17263 \else%
17264 \ifx\hvSet@capVPos\hv@Top
17265 \ifhv@fbox
17266 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17267 \else
17268 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17269 \fi%
17270 \hspace{\hvSet@floatCapSep pt}%
17271 \ifhv@fbox
17272 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17273 \else
17274 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17275 \fi
17276 \else
17277 \ifhv@fbox
17278 \fbox{\usebox{\hvObjectBox}}%
17279 \else
17280 \usebox{\hvObjectBox}%
17281 \fi
17282 \hspace{\hvSet@floatCapSep pt}%
17283 \ifhv@fbox
17284 \fbox{\usebox{\hvCaptionBox}}%
17285 \else
17286 \usebox{\hvCaptionBox}%
17287 \fi%
17288 \fi%
17289 \fi
17290 \fi% end of RTL
17291 \fi
17292 \fi
17293 \fi
17294 }% End savebox Object and caption
17295 %
17296 % now we rotate the object and caption, if needed
17297 %
17298 \ifx\hvSet@rotAngle\hv@Zero
17299 \usebox{\@tempboxa}
17300 \else
17301 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17302 \fi

```



```

17303 \ifhv@nonFloat
17304 \ifx\hvSet@objectPos\hv@Center
17305 \ifhv@nonFloat
17306 \hspace{\fill}
17307 \fi
17308 \fi
17309 \endgroup% End the nonfloat part
17310 \else
17311 \end{\hv@floatType}% End the floating environment
17312 \fi
17313 }

```

102 File hyperref-xetex-bidi.def

```

17314 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
17315 \AtBeginDocument{%
17316 \def\contentsline#1#2#3#4{%
17317 \ifx\#4\%
17318 \csname l@#1\endcsname{#2}{#3}%
17319 \else
17320 \ifcase\Hy@linktoc % none
17321 \csname l@#1\endcsname{#2}{#3}%
17322 \or % section
17323 \csname l@#1\endcsname{%
17324 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17325 }{#3}%
17326 \or % page
17327 \csname l@#1\endcsname{{#2}}{%
17328 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17329 }%
17330 \else % all
17331 \csname l@#1\endcsname{%
17332 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17333 }{#3}%
17334 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17335 }%
17336 \fi
17337 \fi
17338 }
17339 \ifHy@hyperfootnotes
17340 \let\H@@footnotetext\@footnotetext
17341 \let\HRTL@RTLfootnotetext\RTLfootnotetext
17342 \let\HLTR@LTRfootnotetext\LTRfootnotetext
17343 \def\@xfootnotenext[#1]{%
17344 \begingroup
17345 \csname c@\@mpfn\endcsname #1\relax
17346 \unrestored@protected@xdef\@thefnmark{\thempfn}%
17347 \endgroup
17348 \ifx\@footnotetext\@mpfootnotetext
17349 \expandafter\H@@mpfootnotetext
17350 \else
17351 \expandafter\H@@footnotetext
17352 \fi
17353 }%

```



```

17354 \def\xRTLfootnotenext[#1]{%
17355 \begingroup
17356   \csname c@\mpfn\endcsname #1\relax
17357   \unrestored@protected@xdef\@thefnmark{\thempfn}%
17358 \endgroup
17359 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17360   \expandafter\HRTL@\mpRTLfootnotetext
17361 \else
17362   \expandafter\HRTL@\@RTLfootnotetext
17363 \fi
17364 }%
17365 \def\xLTRfootnotenext[#1]{%
17366 \begingroup
17367   \csname c@\mpfn\endcsname #1\relax
17368   \unrestored@protected@xdef\@thefnmark{\thempfn}%
17369 \endgroup
17370 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
17371   \expandafter\HLTR@\mpLTRfootnotetext
17372 \else
17373   \expandafter\HLTR@\@LTRfootnotetext
17374 \fi
17375 }%
17376 \def\xfootnotemark[#1]{%
17377 \begingroup
17378   \c@footnote #1\relax
17379   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17380 \endgroup
17381 \H@\@footnotemark
17382 }%
17383 \let\H@\mpfootnotetext\@mpfootnotetext
17384 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
17385 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
17386 \long\def\@mpfootnotetext#1{%
17387 \H@\mpfootnotetext{%
17388   \ifHy@nesting
17389     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17390   \else
17391     \Hy@raisedlink{%
17392       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17393     }#1%
17394   \fi
17395 }%
17396 }%
17397 \long\def\@mpRTLfootnotetext#1{%
17398 \HRTL@\mpRTLfootnotetext{%
17399   \ifHy@nesting
17400     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17401   \else
17402     \Hy@raisedlink{%
17403       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17404     }#1%
17405   \fi
17406 }%
17407 }%

```



```

17408 \long\def\@mpLTRfootnotetext#1{%
17409 \HLTR@mpLTRfootnotetext{%
17410   \ifHy@nesting
17411     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17412   \else
17413     \Hy@raisedlink{%
17414       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17415     }#1%
17416   \fi
17417 }%
17418 }%
17419 \long\def\@footnotetext#1{%
17420 \H@@footnotetext{%
17421   \ifHy@nesting
17422     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17423   \else
17424     \Hy@raisedlink{%
17425       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17426     }%
17427     \let\@currentHlabel\Hy@footnote@currentHlabel
17428     \let\@currentHref\Hy@footnote@currentHref
17429     \let\@currentlabelname\@empty
17430     #1%
17431   \fi
17432 }%
17433 }%
17434 \long\def\@RTLfootnotetext#1{%
17435 \HRTL@RTLfootnotetext{%
17436   \ifHy@nesting
17437     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17438   \else
17439     \Hy@raisedlink{%
17440       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17441     }%
17442     \let\@currentHlabel\Hy@footnote@currentHlabel
17443     \let\@currentHref\Hy@footnote@currentHref
17444     \let\@currentlabelname\@empty
17445     #1%
17446   \fi
17447 }%
17448 }%
17449 \long\def\@LTRfootnotetext#1{%
17450 \HLTR@LTRfootnotetext{%
17451   \ifHy@nesting
17452     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17453   \else
17454     \Hy@raisedlink{%
17455       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17456     }%
17457     \let\@currentHlabel\Hy@footnote@currentHlabel
17458     \let\@currentHref\Hy@footnote@currentHref
17459     \let\@currentlabelname\@empty
17460     #1%
17461   \fi

```



```

17462 }%
17463 }%
17464 \@ifpackageloaded{tabularx}{%
17465 \let\HyOrg@TX@endtabularx\TX@endtabularx
17466 \def\Hy@tabularx@hook{%
17467 \let\@footnotetext\H@@footnotetext
17468 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17469 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17470 \let\@footnotemark\H@@footnotemark
17471 \let\@mpfootnotetext\H@@mpfootnotetext
17472 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
17473 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
17474 }%
17475 \begingroup
17476 \toks@ \expandafter{\TX@endtabularx}%
17477 \xdef\Hy@gttemp{%
17478 \noexpand\Hy@tabularx@hook
17479 \the\toks@
17480 }%
17481 \endgroup
17482 \let\TX@endtabularx\Hy@gttemp
17483 }-}%
17484 \@ifpackageloaded{longtable}{%
17485 \CheckCommand*{\LT@p@LTRftntext}[1]{%
17486 \edef\@tempa{%
17487 \the\LT@p@ftn
17488 \noexpand\LTRfootnotetext[\the\c@footnote]%
17489 }%
17490 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17491 }%
17492 \long\def\LT@p@LTRftntext#1{%
17493 \edef\@tempa{%
17494 \the\LT@p@ftn
17495 \begingroup
17496 \noexpand\c@footnote=\the\c@footnote\relax
17497 \noexpand\protected@xdef\noexpand\@thefnmark{%
17498 \noexpand\thempfn
17499 }%
17500 \noexpand\Hy@LT@LTRfootnotetext{%
17501 \Hy@footnote@currentHref
17502 }%
17503 }%
17504 \global\LT@p@ftn\expandafter{%
17505 \@tempa{#1}%
17506 \endgroup
17507 }%
17508 }%
17509 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17510 \HLTR@@LTRfootnotetext{%
17511 \ifHy@nesting
17512 \hyper@@anchor{#1}{#2}%
17513 \else
17514 \Hy@raisedlink{%
17515 \hyper@@anchor{#1}{\relax}%

```



```

17516     }%
17517     \def\@currentHref{#1}%
17518     \let\@currentlabelname\@empty
17519     #2%
17520     \fi
17521   }%
17522 }%
17523 \CheckCommand*{\LT@p@RTLftntext}[1]{%
17524   \edef\@tempa{%
17525     \the\LT@p@ftn
17526     \noexpand\RTLfootnotetext[\the\c@footnote]%
17527   }%
17528   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17529 }%
17530 \long\def\LT@p@RTLftntext#1{%
17531   \edef\@tempa{%
17532     \the\LT@p@ftn
17533     \begingroup
17534     \noexpand\c@footnote=\the\c@footnote\relax
17535     \noexpand\protected@xdef\noexpand\@thefnmark{%
17536       \noexpand\thempfn
17537     }%
17538     \noexpand\Hy@LT@RTLfootnotetext{%
17539       \Hy@footnote@currentHref
17540     }%
17541   }%
17542   \global\LT@p@ftn\expandafter{%
17543     \@tempa{#1}%
17544   \endgroup
17545 }%
17546 }%
17547 \long\def\Hy@LT@RTLfootnotetext#1#2{%
17548   \HRTL@RTLfootnotetext{%
17549     \ifHy@nesting
17550     \hyper@@anchor{#1}{#2}%
17551     \else
17552     \Hy@raisedlink{%
17553       \hyper@@anchor{#1}{\relax}%
17554     }%
17555     \def\@currentHref{#1}%
17556     \let\@currentlabelname\@empty
17557     #2%
17558   \fi
17559   }%
17560 }%
17561 }-{}%
17562 \@ifpackageloaded{bidipoem}{%
17563 \long\def\bidipoem@p@ftntext#1{%
17564   \edef\@tempx{%
17565     \the\bidipoem@p@ftn
17566     \begingroup
17567     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17568     \noexpand\protected@xdef\noexpand\@thefnmark{%
17569       \noexpand\thempfn

```




```

17570     }%
17571     \noexpand\Hy@bidipoem@footnotetext{%
17572         \Hy@footnote@currentHref
17573     }%
17574 }%
17575 \global\bidipoem@p@ftn\expandafter{%
17576     \@tempx{#1}%
17577 \endgroup
17578 }%
17579 }%
17580 \long\def\Hy@bidipoem@footnotetext#1#2{%
17581     \H@@footnotetext{%
17582         \ifHy@nesting
17583             \hyper@@anchor{#1}{#2}%
17584         \else
17585             \Hy@raisedlink{%
17586                 \hyper@@anchor{#1}{\relax}%
17587             }%
17588             \def\@currentHref{#1}%
17589             \let\@currentlabelname\@empty
17590             #2%
17591         \fi
17592     }%
17593 }%
17594 \long\def\bidipoem@p@LTRftntext#1{%
17595     \edef\@tempxi{%
17596         \the\bidipoem@p@ftn
17597     \beginingroup
17598         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17599         \noexpand\protected@xdef\noexpand\@thefnmark{%
17600             \noexpand\thempfn
17601         }%
17602         \noexpand\Hy@bidipoem@LTRfootnotetext{%
17603             \Hy@footnote@currentHref
17604         }%
17605     }%
17606     \global\bidipoem@p@ftn\expandafter{%
17607         \@tempxi{#1}%
17608     \endgroup
17609 }%
17610 }%
17611 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17612     \HLTR@@LTRfootnotetext{%
17613         \ifHy@nesting
17614             \hyper@@anchor{#1}{#2}%
17615         \else
17616             \Hy@raisedlink{%
17617                 \hyper@@anchor{#1}{\relax}%
17618             }%
17619             \def\@currentHref{#1}%
17620             \let\@currentlabelname\@empty
17621             #2%
17622         \fi
17623     }%

```



```

17624 }%
17625 \long\def\bidipoem@p@RTLftntext#1{%
17626 \edef\@tempxiif{%
17627 \the\bidipoem@p@ftn
17628 \begingroup
17629 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17630 \noexpand\protected@xdef\noexpand\@thefnmark{%
17631 \noexpand\thempfn
17632 }%
17633 \noexpand\Hy@bidipoem@RTLfootnotetext{%
17634 \Hy@footnote@currentHref
17635 }%
17636 }%
17637 \global\bidipoem@p@ftn\expandafter{%
17638 \@tempxiif{#1}%
17639 \endgroup
17640 }%
17641 }%
17642 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17643 \HRTL@RTLfootnotetext{%
17644 \ifHy@nesting
17645 \hyper@@anchor{#1}{#2}%
17646 \else
17647 \Hy@raisedlink{%
17648 \hyper@@anchor{#1}{\relax}%
17649 }%
17650 \def\@currentHref{#1}%
17651 \let\@currentlabelname\@empty
17652 #2%
17653 \fi
17654 }%
17655 }%
17656 }-}%
17657 \let\HyOrg@maketitle\maketitle
17658 \def\maketitle{%
17659 \let\Hy@saved@footnotemark\@footnotemark
17660 \let\Hy@saved@footnotetext\@footnotetext
17661 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17662 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17663 \let\@footnotemark\H@@footnotemark
17664 \let\@footnotetext\H@@footnotetext
17665 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
17666 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
17667 \@ifnextchar[\Hy@maketitle@optarg{% ]
17668 \HyOrg@maketitle
17669 \Hy@maketitle@end
17670 }%
17671 }%
17672 \def\Hy@maketitle@optarg[#1]{%
17673 \HyOrg@maketitle[#{#1}]%
17674 \Hy@maketitle@end
17675 }%
17676 \def\Hy@maketitle@end{%
17677 \ifx\@footnotemark\H@@footnotemark

```



```

17678     \let\@footnotemark\Hy@saved@footnotemark
17679     \fi
17680     \ifx\@footnotetext\H@@footnotetext
17681         \let\@footnotetext\Hy@saved@footnotetext
17682     \fi
17683     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
17684         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17685     \fi
17686     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
17687         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17688     \fi
17689 }%
17690 \def\realfootnote{%
17691     \@ifnextchar[\@xfootnote{%
17692         \stepcounter{\@mpfn}%
17693         \protected@xdef\@thefnmark{\thempfn}%
17694         \H@@footnotemark\H@@footnotetext
17695     }%
17696 }%
17697 \fi
17698 \def\Hy@BeginAnnot#1{%
17699     \ifmmode\else\beginL\fi%
17700     \global\advance\c@Hy@AnnotLevel\@ne
17701     \ifnum\c@Hy@AnnotLevel=\@ne
17702         #1%
17703     \fi
17704 }
17705 \def\Hy@endAnnot{%
17706     \ifnum\c@Hy@AnnotLevel=\@ne
17707         \Hy@endcolorlink
17708         \@pdfm@mark{eann}%
17709     \fi
17710     \global\advance\c@Hy@AnnotLevel\m@ne
17711     \ifmmode\else\endL\fi%
17712 }
17713 \def\hyper@link#1#2#3{%
17714     \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
17715 }
17716 \def\hyper@linkfile#1#2#3{%
17717     \leavevmode
17718     \Hy@BeginAnnot{%
17719         \def\Hy@pstringF{#2}%
17720         \Hy@CleanupFile\Hy@pstringF
17721         \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17722         \Hy@pstringdef\Hy@pstringD{#3}%
17723         \Hy@MakeRemoteAction
17724         \@pdfm@mark{%
17725             bann<<%
17726             /Type/Annot%
17727             /Subtype/Link%
17728             \ifHy@pdfa /F 4\fi
17729             \Hy@setpdfborder
17730             \ifx\@filebordercolor\relax
17731                 \else

```



```

17732         /C[\@filebordercolor]%
17733     \fi
17734     /A<<%
17735         /S/GoToR%
17736         /F(\Hy@pstringF)%
17737         /D%
17738         \ifx\#3\%
17739             [\Hy@href@page\@pdfremotestartview]%
17740         \else
17741             (\Hy@pstringD)%
17742         \fi
17743         \Hy@SetNewWindow
17744         \Hy@href@nextactionraw
17745     >>%
17746 >>%
17747 }%
17748 \Hy@colorlink\@filecolor
17749 }%
17750 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17751 \Hy@EndAnnot
17752 }
17753 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17754 \leavevmode
17755 \Hy@BeginAnnot{%
17756 \Hy@pstringdef\Hy@pstringF{#1}%
17757 \Hy@pstringdef\Hy@pstringP{#3}%
17758 \@pdfm@mark{%
17759     bann<<%
17760         /Type/Annot%
17761         /Subtype/Link%
17762         \ifHy@pdfa /F 4\fi
17763         \Hy@setpdfborder
17764         \ifx\@runbordercolor\relax
17765         \else
17766             /C[\@runbordercolor]%
17767         \fi
17768         /A<<%
17769         /F(\Hy@pstringF)%
17770         /S/Launch%
17771         \Hy@SetNewWindow
17772         \ifx\#3\%
17773         \else
17774             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17775         \fi
17776         \Hy@href@nextactionraw
17777     >>%
17778 >>%
17779 }%
17780 \Hy@colorlink\@runcolor
17781 }%
17782 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17783 \Hy@EndAnnot
17784 }
17785 \def\hyper@linkurl#1#2{%

```



```

17786 \leavevmode
17787 \Hy@BeginAnnot{%
17788   \Hy@pstringdef\Hy@pstringURI{#2}%
17789   \@pdfm@mark{%
17790     bann<<%
17791     /Type/Annot%
17792     /Subtype/Link%
17793     \ifHy@pdfa /F 4\fi
17794     \Hy@setpdfborder
17795     \ifx\@urlbordercolor\relax
17796     \else
17797       /C[\@urlbordercolor]%
17798     \fi
17799     /A<<%
17800     /S/URI%
17801     /URI(\Hy@pstringURI)%
17802     \ifHy@href@ismap
17803       /IsMap true%
17804     \fi
17805     \Hy@href@nextactionraw
17806     >>%
17807     >>%
17808   }%
17809   \Hy@colorlink\@urlcolor
17810 }%
17811 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17812 \Hy@EndAnnot
17813 }
17814 \def\Acrobatmenu#1#2{%
17815   \Hy@Acrobatmenu{#1}{#2}{%
17816     \Hy@BeginAnnot{%
17817       \EdefEscapeName\Hy@temp@menu{#1}%
17818       \@pdfm@mark{%
17819         bann<<%
17820         /Type/Annot%
17821         /Subtype/Link%
17822         \ifHy@pdfa /F 4\fi
17823         \Hy@setpdfborder
17824         \ifx\@menubordercolor\relax
17825         \else
17826           /C[\@menubordercolor]%
17827         \fi
17828         /A<<%
17829         /S/Named%
17830         /N/\Hy@temp@menu
17831         \Hy@href@nextactionraw
17832         >>%
17833         >>%
17834       }%
17835       \Hy@colorlink\@menucolor
17836     }%
17837     \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17838     \Hy@EndAnnot
17839   }%

```



```

17840 }
17841 \def\hyper@natlinkstart#1{%
17842   \Hy@backout{#1}%
17843   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17844   \def\hyper@nat@current{#1}%
17845 }
17846 \def\hyper@natlinkend{%
17847   \if@RTL\endR\fi\hyper@linkend
17848 }
17849 \def\hyper@natlinkbreak#1#2{%
17850   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17851 }%
17852 }
17853 \pdfstringdefDisableCommands{%
17854   \let\LRE\@firstofone
17855   \let\LR\@firstofone
17856   \let\RLE\@firstofone
17857   \let\RL\@firstofone
17858   \def\XeTeX{Xe\TeX}%
17859   \def\XeLaTeX{Xe\LaTeX}%
17860 }
17861 \@ifpackageloaded{longtable}{%
17862   \begingroup
17863     \def\y{\LT@array}%
17864     \@ifundefined{scr@LT@array}{%
17865       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
17866     }{\def\y{\scr@LT@array}}%
17867     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17868       \expandafter\endgroup
17869       \expandafter\def\y[##1]##2{%
17870         \H@refstepcounter{#1}%
17871         \hyper@makecurrent{table}%
17872         \let\Hy@LT@currentHref\@currentHref
17873         #2\@sharp####4%
17874       }%
17875     }%
17876     \expandafter\expandafter\expandafter\x\y[##1]{##2}\@nil
17877   \begingroup
17878     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17879     \endgroup
17880     \def\LT@start{%
17881       #1%
17882       \ifvoid\LT@foot#2\fi
17883       \let\@currentHref\Hy@LT@currentHref
17884       \Hy@raisedlink{%
17885         \hyper@anchorstart{\@currentHref}\hyper@anchorend
17886       }%
17887       #3%
17888     }%
17889   }%
17890   \expandafter\x\LT@start\@nil
17891 }{}
17892 \bidi@patchcmd\@TextField{%
17893   \@pdfm@mark

```



```

17894 }-{}%
17895 \if@RTL
17896 \hskip\Fld@width
17897 \fi
17898 \@pdfm@mark
17899 }-{}-{}
17900 \bidi@patchcmd\@TextField{%
17901 \unhbox
17902 }-{}%
17903 \if@RTL
17904 \hskip-\Fld@width
17905 \fi
17906 \unhbox
17907 }-{}-{}
17908 \bidi@patchcmd\@@Radio{%
17909 \@pdfm@mark
17910 }-{}%
17911 \if@RTL
17912 \hskip\Fld@width
17913 \fi
17914 \@pdfm@mark
17915 }-{}-{}
17916 \bidi@patchcmd\@@Radio{%
17917 \unhcopy
17918 }-{}%
17919 \if@RTL
17920 \hskip-\Fld@width
17921 \fi
17922 \unhcopy
17923 }-{}-{}
17924 \bidi@patchcmd\@Submit{%
17925 \@pdfm@mark
17926 }-{}%
17927 \if@RTL
17928 \null
17929 \hskip\wd\pdfm@box
17930 \fi
17931 \@pdfm@mark
17932 }-{}-{}
17933 \bidi@patchcmd\@Submit{%
17934 \unhbox
17935 }-{}%
17936 \if@RTL
17937 \hskip-\wd\pdfm@box
17938 \fi
17939 \unhbox
17940 }-{}-{}
17941 \bidi@patchcmd\@Reset{%
17942 \@pdfm@mark
17943 }-{}%
17944 \if@RTL
17945 \null
17946 \hskip\wd\pdfm@box
17947 \fi

```



```

17948 \@pdfm@mark
17949 }-{}
17950 \bidi@patchcmd\@Reset{%
17951 \unhbox
17952 }-{}
17953 \if@RTL
17954 \hskip-\wd\pdfm@box
17955 \fi
17956 \unhbox
17957 }-{}

```

103 File `imsproc-xetex-bidi.def`

```

17958 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class fo
17959 \newenvironment{thebibliography}[1]{%
17960 \@bibtitlestyle
17961 \normalfont\bibliofont\labelsep .5em\relax
17962 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
17963 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17964 \bidi@thebibliography@font@hook
17965 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17966 \leftmargin\labelwidth \advance\leftmargin\labelsep
17967 \usecounter{enumiv}}%
17968 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17969 \sfcode\.=\@m
17970 }-{}
17971 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17972 \endlist
17973 }
17974
17975 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
17976 \columnseprule\z@ \columnsep 35\p@
17977 \@indextitlestyle
17978 \thispagestyle{plain}%
17979 \let\item\@idxitem
17980 \parindent\z@ \parskip\z@\@plus.3\p@\relax
17981 \if@RTL\raggedleft\else\raggedright\fi
17982 \hyphenpenalty\@M
17983 \footnotesize}
17984 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
17985 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
17986 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
17987
17988 \def\right@footnoterule{%
17989 \kern-.4\p@
17990 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
17991 \kern11\p@\kern-\footnotesep}
17992 \def\left@footnoterule{\kern-.4\p@
17993 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
17994 \def\@makefnmark{%
17995 \leavevmode
17996 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
17997 }
17998

```




```

17999 \def\part{\@startsection{part}{0}%
18000 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
18001 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
18002 \def\@tocline#1#2#3#4#5#6#7{\relax
18003 \ifnum #1>\c@tocdepth % then omit
18004 \else
18005 \par \addpenalty\@secpenalty\advspace{#2}%
18006 \begingroup \hyphenpenalty\@M
18007 \@ifempty{#4}{%
18008 \@tempdima\c@tocline#1\endcsname\relax
18009 }{%
18010 \@tempdima#4\relax
18011 }%
18012 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else
18013 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
18014 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
18015 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
18016 \nobreak
18017 \endgroup
18018 \fi}
18019 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
18020 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
18021 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
18022 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
18023 \def\maketitle{\par
18024 \@topnum\z@ % this prevents figures from falling at the top of page 1
18025 \@setcopyright
18026 \thispagestyle{firstpage}% this sets first page specifications
18027 \uppercase\nonmath\shorttitle
18028 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
18029 \else \andify\shortauthors
18030 \fi
18031 \@maketitle@hook
18032 \begingroup
18033 \@maketitle
18034 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
18035 \toks4{\def\{\ignorespaces}}% defend against questionable usage
18036 \edef\@tempa{%
18037 \@nx\markboth{\the\toks4
18038 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
18039 \@tempa
18040 \endgroup
18041 \c@footnote\z@
18042 \cleartopmattertags
18043 }

```

104 File leqno-xetex-bidi.def

```

18044 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
18045 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}
18046 \rlap{\hskip -\displaywidth
18047 {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR}}

```



105 File letter-xetex-bidi.def

```
18048 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter c
18049 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
18050   \thispagestyle{firstpage}%
18051   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
18052   \else % home address
18053     \thispagestyle{empty}%
18054     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}
18055       \fromaddress \*[2\parskip]%
18056       \@date \end{tabular}\par}%
18057   \fi
18058   \vspace{2\parskip}%
18059   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
18060   \vspace{2\parskip}%
18061   #1\par\nobreak}
18062 \renewcommand\left@footnoterule{%
18063   \kern-\p@
18064   \hrule \@width .4\columnwidth
18065   \kern .6\p@}
18066 \renewcommand\right@footnoterule{%
18067   \kern-\p@
18068   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18069   \kern .6\p@}
```

106 File lettrine-xetex-bidi.def

```
18070 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine packag
18071 \RemoveFromHook{begindocument}[lettrine]
18072 \AtBeginDocument[lettrine]{%
18073   \if\DefaultOptionsFile\relax
18074   \else
18075     \InputIfFileExists{\DefaultOptionsFile}%
18076     {%
18077       {\PackageWarning{lettrine.sty}%
18078         {File \DefaultOptionsFile\space not found}%
18079       }%
18080   \fi
18081   \let\ifL@RTL\if@RTL
18082 }
```

107 File lineno-xetex-bidi.def

```
18083 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package fo
18084 \bidi@patchcmd{\MakeLineNo}{%
18085   \hb@xt@\z@{\makeLineNumber}%
18086 }{%
18087   \hboxL to \z@{\makeLineNumber}%
18088 }{}{}
18089
18090 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18091   \if@RTL
18092     \hb@xt@\linenumberwidth{\LineNumber\hss}%
18093   \else
```



```

18094     \LineNumber
18095     \fi
18096 }-{}
18097
18098 \bidi@patchcmd{\makeLineNumberRight}{%
18099     \hb@xt@\linewidthwidth{\hss\LineNumber}%
18100 }-{}
18101     \if@RTL
18102     \LineNumber
18103     \else
18104     \hb@xt@\linewidthwidth{\hss\LineNumber}%
18105     \fi
18106 }-{}
18107
18108 \bidi@AfterPreamble{%
18109     \if@RTLmain
18110     \rightlinenumbers*
18111     \else
18112     \leftlinenumbers*
18113     \fi
18114     \@ifpackagewith{lineno}{left}{%
18115     \leftlinenumbers*
18116     }-{}
18117     \@ifpackagewith{lineno}{right}{%
18118     \rightlinenumbers*
18119     }-{}
18120     \@ifpackagewith{lineno}{switch}{%
18121     \if@RTLmain
18122     \switchlinenumbers*%
18123     \else
18124     \switchlinenumbers
18125     \fi
18126     }-{}
18127     \@ifpackagewith{lineno}{switch*}{%
18128     \if@RTLmain
18129     \switchlinenumbers
18130     \else
18131     \switchlinenumbers*%
18132     \fi
18133     }-{}
18134 }
18135

```

108 File listings-xetex-bidi.def

```

18136 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
18137 \lst@Key{captiondirection}{textdirection}{%
18138     \lstKV@SwitchCases{#1}%
18139     {textdirection:\\%
18140     RTL:\chardef\bidi@lst@caption@direction@one\\%
18141     LTR:\chardef\bidi@lst@caption@direction@z%
18142     }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18143
18144 \lst@Key{captionscript}{textscript}{%

```



```

18145 \lstKV@SwitchCases{#1}%
18146 {textscript:\%
18147 latin:\chardef\bidi@lst@caption@script@one\%
18148 nonlatin:\chardef\bidi@lst@caption@script@z%
18149 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18150
18151 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18152 \ifundefined{bidi@lst@caption@direction}{}%
18153 \ifnum\bidi@lst@caption@direction=\z%
18154 #1%
18155 \else%
18156 \ifnum\bidi@lst@caption@direction=@ne%
18157 #2%
18158 \fi%
18159 \fi%
18160 }}
18161
18162 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18163 \ifundefined{bidi@lst@caption@script}{}%
18164 \ifnum\bidi@lst@caption@script=\z%
18165 #1%
18166 \else%
18167 \ifnum\bidi@lst@caption@script=@ne%
18168 #2%
18169 \fi%
18170 \fi%
18171 }}
18172
18173 \long\def\@bidi@lst@makecaption#1#2{%
18174 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18175 \vskip\abovecaptionskip
18176 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18177 \sbox\@tempboxa{%
18178 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18179 #1: #2%
18180 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18181 }%
18182 \ifdim \wd\@tempboxa >\hspace
18183 #1: #2\par
18184 \else
18185 \global \@minipagefalse
18186 \hb@xt@\hspace{\hfil\box\@tempboxa\hfil}%
18187 \fi
18188 \vskip\belowcaptionskip}%
18189 \def\lst@makecaption{\@bidi@lst@makecaption}
18190 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18191 \bidi@AtEndPreamble{%
18192 \bidi@patchcmd{\lst@MakeCaption}{%
18193 \ifx #1t%
18194 \ifx\lst@caption@empty\expandafter\lst@HRefStepCounter \else
18195 \expandafter\refstepcounter
18196 \fi {lstlisting}}%
18197 }{%
18198 \ifx #1t%

```



```

18199     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18200     \ifx\lst@caption\empty\expandafter\lst@HRefStepCounter \else
18201         \expandafter\refstepcounter
18202     \fi {lstlisting}%
18203     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18204 }-{}%
18205 \bidi@patchcmd{\lst@MakeCaption}{%
18206     \addcontentsline{lol}{lstlisting}%
18207     {\protect\numberline{\thelstlisting}\lst@caption}%
18208 }-%
18209 \begingroup%
18210     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18211     \addcontentsline{lol}{lstlisting}%
18212     {\protect\numberline{\thelstlisting}\lst@caption}%
18213 \endgroup%
18214 }-{}%
18215 }
18216 \@ifpackageloaded{caption}{%
18217     \AtBeginCaption{%
18218         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18219         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18220     }
18221     \let\bidi@lst@makecaption\caption@makecaption%
18222     \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
18223     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
18224 }-%
18225 \AtBeginDocument{%
18226 \@ifundefined{captionlabelfalse}{-}%
18227     \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
18228 \@ifundefined{captionstartrue}{-}%
18229     \def\lst@maketitle{\captionstartrue\bidi@lst@makecaption\@empty}}%
18230 }%
18231 }
18232 \AtBeginDocument{
18233     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{-}
18234     \lst@ifnumberbychapter
18235         \gdef\thelstlisting%
18236             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18237     \else
18238         \gdef\thelstlisting{\@arabic\c@lstlisting}
18239     \fi}

```

109 File loadingorder-xetex-bidi.def

```

18240 \ProvidesFile{loadingorder-xetex-bidi.def}[2024/12/08 v0.99 making sure that bidi is the la
18241 \bidi@isloaded{amsmath}
18242 \bidi@isloaded{amstext}
18243 \bidi@isloaded{amsthm}
18244 \bidi@isloaded{animate}
18245 \bidi@isloaded{breqn}
18246 \bidi@isloaded{cals}
18247 \bidi@isloaded{caption}
18248 \bidi@isloaded{crop}
18249 \bidi@isloaded{cuted}

```



```

18250 \bidi@isloaded{cutwin}
18251 \bidi@isloaded{color}
18252 \bidi@isloaded{dblfnote}
18253 \bidi@isloaded{diagbox}
18254 \bidi@isloaded{xcolor}
18255 \bidi@isloaded{colortbl}
18256 \bidi@isloaded{float}
18257 \bidi@isloaded{floatrow}
18258 \bidi@isloaded{flowfram}
18259 \bidi@isloaded{framed}
18260 \bidi@isloaded{ftnright}
18261 \bidi@isloaded{xltextra}
18262 \bidi@isloaded{xunicode}
18263 \bidi@isloaded{wrapfig}
18264 \bidi@isloaded{graphicx}
18265 \bidi@isloaded{geometry}
18266 \bidi@isloaded{hvfloat}
18267 \bidi@isloaded{mdframed}
18268 \bidi@isloaded{midfloat}
18269 \bidi@isloaded{ntheorem}
18270 \bidi@isloaded{ntheorem-hyper}
18271 \bidi@isloaded{hyperref}
18272 \bidi@isloaded{fancybox}
18273 \bidi@isloaded{fancyhdr}
18274 \bidi@isloaded{fix2col}
18275 \bidi@isloaded{draftwatermark}
18276 \bidi@isloaded{empheq}
18277 \bidi@isloaded{overpic}
18278 \bidi@isloaded{pdfpages}
18279 \bidi@isloaded{listings}
18280 \bidi@isloaded{lettrine}
18281 \bidi@isloaded{lineno}
18282 \bidi@isloaded{media9}
18283 \bidi@isloaded{pstricks}
18284 \bidi@isloaded{pgf}
18285 \bidi@isloaded{picinpar}
18286 \bidi@isloaded{quotchap}
18287 \bidi@isloaded{tikz}
18288 \bidi@isloaded{titlesec}
18289 \bidi@isloaded{titletoc}
18290 \bidi@isloaded{array}
18291 \bidi@isloaded{soul}
18292 \bidi@isloaded{stabular}
18293 \bidi@isloaded{subfig}
18294 \bidi@isloaded{subfigure}
18295 \bidi@isloaded{supertabular}
18296 \bidi@isloaded{xtab}
18297 \bidi@isloaded{longtable}
18298 \bidi@isloaded{arydshln}
18299 \bidi@isloaded{multicol}
18300 \bidi@isloaded{multienum}
18301 \bidi@isloaded{minitoc}
18302 \bidi@isloaded{natbib}
18303 \bidi@isloaded{newfloat}

```



```

18304 \bidi@isloaded{ragged2e}
18305 \bidi@isloaded{rotating}
18306 \bidi@isloaded{tabls}
18307 \bidi@isloaded{tabulary}
18308 \bidi@isloaded{tocbasic}
18309 \bidi@isloaded{tocstyle}
18310 \bidi@isloaded{tocbibind}
18311 \bidi@isloaded{fontspec}
18312 \bidi@isloaded{arabxetex}
18313 \bidi@isloaded{polyglossia}
18314 \bidi@isloaded{fancyvrb}
18315 \AtBeginDocument{
18316   \if@bidi@amsmathloaded@else
18317     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pac
18318   \fi%
18319   \if@bidi@amstextloaded@else
18320     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pac
18321   \fi%
18322   \if@bidi@amsthmloaded@else
18323     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi pack
18324   \fi%
18325   \if@bidi@animateloaded@else
18326     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pac
18327   \fi%
18328   \if@bidi@breqnloaded@else
18329     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packa
18330   \fi%
18331   \if@bidi@calsloaded@else
18332     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi packag
18333   \fi%
18334   \if@bidi@captionloaded@else
18335     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pac
18336   \fi%
18337   \if@bidi@croploaded@else
18338     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi packag
18339   \fi%
18340   \if@bidi@colorloaded@else
18341     \@ifpackageloaded{hyperref}{-}{%
18342     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packa
18343   \fi%
18344   \if@bidi@cutwinloaded@else
18345     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi pack
18346   \fi%
18347   \if@bidi@cutedloaded@else
18348     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packa
18349   \fi%
18350   \if@bidi@dblfnoteloaded@else
18351     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pa
18352   \fi%
18353   \if@bidi@diagboxloaded@else
18354     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pac
18355   \fi%
18356   \if@bidi@xcolorloaded@else
18357     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi pack

```



```

18358 \fi%
18359 \if@bidi@colortblloaded@else
18360 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pa
18361 \fi%
18362 \if@bidi@floatloaded@else
18363 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packa
18364 \fi%
18365 \if@bidi@floatrowloaded@else
18366 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pa
18367 \fi%
18368 \if@bidi@flowframloaded@else
18369 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pa
18370 \fi%
18371 \if@bidi@framedloaded@else
18372 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi pack
18373 \fi%
18374 \if@bidi@ftnrightloaded@else
18375 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pa
18376 \fi%
18377 \if@bidi@xltxtraloaded@else
18378 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pac
18379 \fi%
18380 \if@bidi@xunicodeloaded@else
18381 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pa
18382 \fi%
18383 \if@bidi@wrapfigloaded@else
18384 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pac
18385 \fi%
18386 \if@bidi@graphicxloaded@else
18387 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pa
18388 \fi%
18389 \if@bidi@geometryloaded@else
18390 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pa
18391 \fi%
18392 \if@bidi@hvfloatloaded@else
18393 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pac
18394 \fi%
18395 \if@bidi@mdframedloaded@else
18396 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pa
18397 \fi%
18398 \if@bidi@midfloatloaded@else
18399 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pa
18400 \fi%
18401 \if@bidi@ntheoremloaded@else
18402 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pa
18403 \fi%
18404 \if@bidi@hyperrefloaded@else
18405 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pa
18406 \fi%
18407 \if@bidi@fancyboxloaded@else
18408 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pa
18409 \fi%
18410 \if@bidi@fancyhdrloaded@else
18411 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pa

```




```

18412 \fi%
18413 \if@bidi@draftwatermarkloaded@else
18414 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after b
18415 \fi%
18416 \if@bidi@empheqloaded@else
18417 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi pack
18418 \fi%
18419 \if@bidi@overpicloaded@else
18420 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pac
18421 \fi%
18422 \if@bidi@pdfpagesloaded@else
18423 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pa
18424 \fi%
18425 \if@bidi@lettrineloaded@else
18426 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pa
18427 \fi%
18428 \if@bidi@linenoloaded@else
18429 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi pack
18430 \fi%
18431 \if@bidi@listingsloaded@else
18432 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pa
18433 \fi%
18434 \csname if@bidi@media9loaded@endcsname\else
18435 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi pack
18436 \fi%
18437 \if@bidi@pstricksloaded@else
18438 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pa
18439 \fi%
18440 \if@bidi@pgfloaded@else
18441 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package
18442 \fi%
18443 \if@bidi@picinparloaded@else
18444 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pa
18445 \fi%
18446 \if@bidi@quotchaploaded@else
18447 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pa
18448 \fi%
18449 \if@bidi@tikzloaded@else
18450 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi packag
18451 \fi%
18452 \if@bidi@titlesecloaded@else
18453 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pa
18454 \fi%
18455 \if@bidi@titletocloaded@else
18456 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pa
18457 \fi%
18458 \if@bidi@arrayloaded@else
18459 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packa
18460 \fi%
18461 \if@bidi@stabularloaded@else
18462 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pa
18463 \fi%
18464 \if@bidi@soulloaded@else
18465 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi packag

```



```

18466 \fi%
18467 \if@bidi@subfigloaded@else
18468 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi pack
18469 \fi%
18470 \if@bidi@subfigureloaded@else
18471 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi p
18472 \fi%
18473 \if@bidi@supertabularloaded@else
18474 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bid
18475 \fi%
18476 \if@bidi@xtabloaded@else
18477 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi packag
18478 \fi%
18479 \if@bidi@longtableloaded@else
18480 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi p
18481 \fi%
18482 \if@bidi@arydshlnloaded@else
18483 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pa
18484 \fi%
18485 \if@bidi@multicolloaded@else
18486 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pa
18487 \fi%
18488 \if@bidi@multienumloaded@else
18489 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi p
18490 \fi%
18491 \if@bidi@minitocloaded@else
18492 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pac
18493 \fi%
18494 \if@bidi@natbibloaded@else
18495 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi pack
18496 \fi%
18497 \if@bidi@newfloatloaded@else
18498 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pa
18499 \fi%
18500 \csname if@bidi@ragged2eloaded@endcsname\else
18501 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pa
18502 \fi%
18503 \if@bidi@rotatingloaded@else
18504 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pa
18505 \fi%
18506 \if@bidi@tablsloaded@else
18507 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi packa
18508 \fi%
18509 \if@bidi@tabularyloaded@else
18510 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pa
18511 \fi%
18512 \if@bidi@tocbasicloaded@else
18513 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pa
18514 \fi%
18515 \if@bidi@tocstyleloaded@else
18516 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pa
18517 \fi%
18518 \if@bidi@tocbibindloaded@else
18519 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi p

```



```

18520 \fi%
18521 \if@bidi@fontspecloaded@else
18522 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pa
18523 \fi%
18524 \if@bidi@arabxetexloaded@else
18525 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi p
18526 \fi%
18527 \if@bidi@polyglossialoaded@else
18528 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18529 \fi%
18530 \if@bidi@fancyvrbloaded@else
18531 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pa
18532 \fi%
18533 }

```

110 File longtable-xetex-bidi.def

```

18534 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable pack
18535 \def\LT@array[#1]#2{%
18536 \refstepcounter{table}\stepcounter{LT@tables}%
18537 \if l#1%
18538 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
18539 \else\if r#1%
18540 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18541 \else\if c#1%
18542 \LTleft\fill \LTright\fill
18543 \fi\fi\fi
18544 \let\LT@mcoll\multicolumn
18545 \let\LT@tabarray\@tabarray
18546 \let\LT@hline\hline
18547 \def\@tabarray{%
18548 \let\hline\LT@hline
18549 \LT@tabarray}%
18550 \let\@LT@tabularcr\let\@tabularnewline\@
18551 \def\@newpage{\noalign{\break}}%
18552 \def\@pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
18553 \def\@nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
18554 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18555 \@tempdima\ht\strutbox
18556 \let\@endpbox\LT@endpbox
18557 \ifx\extrarowheight\undefined
18558 \let\@acol\@tabacol
18559 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18560 \def\@startpbox{\vtop\LT@startpbox}%
18561 \let\@@startpbox\@startpbox
18562 \let\@@endpbox\@endpbox
18563 \let\LT@LL@FM@cr\@tabularcr
18564 \else
18565 \advance\@tempdima\extrarowheight
18566 \col@sep\@tabcolsep
18567 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18568 \fi
18569 \setbox\@arstrutbox\hbox{\vrule
18570 \@height \arraystretch \@tempdima

```



```

18571 \depth \arraystretch \dp \strutbox
18572 \width \z}%
18573 \let\@sharp#\let\protect\relax
18574 \begingroup
18575 \mkpream{#2}%
18576 \xdef\LT@bchunk{%
18577 \global\advance\c@LT@chunks\@ne
18578 \global\LT@rows\z@\setbox\z@\vbox\bgroup
18579 \LT@setprevdepth
18580 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18581 \tabskip\z@ \carstrut \@preamble \tabskip\LTright \cr}%
18582 \endgroup
18583 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18584 \LT@make@row
18585 \m@th\let\par\@empty
18586 \everycr{}\lineskip\z@\baselineskip\z@
18587 \LT@bchunk}
18588 \def\LT@makecaption#1#2#3{%
18589 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
18590 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
18591 \ifdim\wd\@tempboxa>\hsize
18592 #1{#2: }#3%
18593 \else
18594 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
18595 \fi
18596 \endgraf\vskip\baselineskip}%
18597 \hss}}
18598 \@ifpackageloaded{caption}{%
18599 \renewcommand\LT@makecaption[3]{%
18600 \caption@LT@make{%
18601 \caption@LT@settype\LTcaptype
18602 \caption@LT@setup
18603 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18604 \caption@starttrue#1\caption@starfalse
18605 \caption@prepare@stepcounter\LTcaptype
18606 \caption@begin\LTcaptype
18607 \caption@normalsize
18608 \vskip-\ht\strutbox
18609 \caption@ifdefined\FBifcaptop{%
18610 \let\caption@belowskip\@empty}{%
18611 \caption@make@above
18612 \caption@@make{#2}{#3}\endgraf
18613 \caption@make@below
18614 \caption@end}}}%
18615 }{}
18616 \def\LT@startpbox#1{%
18617 \bgroup\color@begingroup
18618 \let\@footnotetext\LTp@ftntext
18619 \let\@LTRfootnotetext\LTp@LTRftntext
18620 \let\@RTLfootnotetext\LTp@RTLftntext
18621 \setlength\hsize{#1}%
18622 \@arrayparboxrestore
18623 \vrule \@height \ht\@arstrutbox \@width \z@}
18624 \def\LTp@LTRftntext#1{%

```



```

18625 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
18626 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18627 \def\LT@p@RTLftntext#1{%
18628 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
18629 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18630
18631
18632 \def\LT@output{%
18633 \ifnum\outputpenalty <-\@Mi
18634 \ifnum\outputpenalty > -\LT@end@pen
18635 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18636 \else
18637 \setbox\z@\vbox{\unvbox\@cclv}%
18638 \ifdim \ht\LT@lastfoot>\ht\LT@foot
18639 \dimen@\pagegoal
18640 \advance\dimen@-\ht\LT@lastfoot
18641 \ifdim\dimen@<\ht\z@
18642 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18643 \@makecol
18644 \@outputpage
18645 \setbox\z@\vbox{\box\LT@head}%
18646 \fi
18647 \fi
18648 \global\@colroom\@colht
18649 \global\vsizel\@colht
18650 \vbox
18651 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@f
18652 \fi
18653 \else
18654 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@f
18655 \@makecol
18656 \@outputpage
18657 \global\vsizel\@colroom
18658 \copy\LT@head\nobreak
18659 \fi}

```

111 File `lscope-xetex-bidi.def`

```

18660 \ProvidesFile{lscope-xetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscope package fo
18661 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18662 \if@RTL
18663 \rotatebox[origin=br]{-90}{\box\@outputbox}%
18664 \else
18665 \rotatebox{90}{\box\@outputbox}%
18666 \fi
18667 }{}{}
18668
18669 \g@addto@macro{\landscape}{%
18670 \if@bidi@csdef{bidi@columnwidth}{%
18671 \bidi@columnwidth\columnwidth
18672 }{}%
18673 \let\bidi@left@footnoterule\left@footnoterule
18674 \let\bidi@right@footnoterule\right@footnoterule
18675 \def\left@footnoterule{%

```



```

18676 \if@RTL
18677 \bidi@right@footnoterule
18678 \else
18679 \bidi@left@footnoterule
18680 \fi
18681 }%
18682 \def\right@footnoterule{%
18683 \if@RTL
18684 \bidi@left@footnoterule
18685 \else
18686 \bidi@right@footnoterule
18687 \fi
18688 }%
18689 }

```

112 File `mathtools-xetex-bidi.def`

```

18690 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools pack
18691 \MHInternalSyntaxOn
18692 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18693 \@namedef{MT_tagform_#1:n}##1
18694 {\maketag@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4
18695 }
18696 \renewtagform{default}{({})}
18697 \MHInternalSyntaxOff

```

113 File `mdframed-xetex-bidi.def`

```

18698 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed packag
18699 \newif\if@bidi@mdf@RTL
18700 \def\mdf@lrbox#1{%
18701 \mdf@patchamsthm%patch amsthm
18702 \if@RTL\@bidi@mdf@RTLtrue\fi%
18703 \@RTLfalse%
18704 \setbox#1\vbox\bgroup%
18705 \color@begingroup%
18706 \if@bidi@mdf@RTL\@RTLtrue\fi%
18707 \mdf@horizontalmargin@equation%
18708 \columnwidth=\hsize%
18709 \textwidth=\hsize%
18710 \let\if@nobreak\iffalse%
18711 \let\if@noskipsec\iffalse%
18712 \let\par\@par%
18713 \let-\@dischyp%
18714 \let'\@acci\let`\@accii\let\=@acciii%
18715 \parindent\z@ \parskip\z@skip%
18716 \linewidth\hsize%
18717 \@totalleftmargin\z@%
18718 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18719 \parfillskip\@flushglue \lineskip\normallineskip%
18720 \baselineskip\normalbaselineskip%
18721 %% \sloppy%
18722 \let\\\@normalcr%
18723 \mdf@par@local%New feature to restore parskip/parindent local in save box

```



```

18724     \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18725     \@afterindentfalse%
18726     %\@afterheading%
18727 }
18728 \renewrobustcmd\mdfframetitleenv[1]{%
18729     \mdf@lrbox{\mdf@frametitlebox}%
18730     \mdf@frametitlealignment%
18731     \leavevmode{\color{\mdf@frametitlefontcolor}%
18732         \normalfont\mdf@frametitlefont{#1}
18733     \ifbool{mdf@ignorelastdescenders}%
18734         {%
18735         \par\strut\par
18736         \unskip\unskip\setbox0=\lastbox
18737         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18738         }{}}%
18739     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18740     \endmdf@lrbox\relax%
18741     \mdf@ignorevbadness%
18742     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18743     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18744     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18745     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18746     \mdfframetitleboxtotalheight=\dimexpr
18747         \ht\mdf@frametitlebox
18748         +\dp\mdf@frametitlebox%
18749         +\mdf@frametitleaboveskip@length
18750         +\mdf@frametitlebelowskip@length
18751         \relax%
18752 }
18753
18754 \renewrobustcmd*\mdf@footnoteoutput{%
18755     \ifvoid\@mpfootins\else%
18756         \nobreak%
18757         \vskip\mdf@footnotedistance@length%
18758         \normalcolor%
18759         \bidi@mpfootnoterule%
18760         \unvbox\@mpfootins%
18761     \fi%
18762 }
18763
18764
18765 \renewrobustcmd*\mdf@footnoteinput{%
18766     \def\@mpfn{mpfootnote}%
18767     \def\thempfn{\thempfootnote}%
18768     \c@mpfootnote\z@%
18769     \let\@footnotetext\@mpfootnotetext%
18770     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18771     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18772 }

```

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```

18773 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18774 {bidi fixes for media9 package for the XeTeX engine}

```



```

18775
18776 \keys_define:nn{media9/mbtn}{
18777   draft .code:n = {},
18778   final .code:n = {},
18779
18780   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18781   tooltip .value_required:n = {true},
18782
18783   overface .code:n = {
18784     \sbox\l_mix_poster_box{
18785       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18786       \mix_pdfxform:n{\l_mix_poster_box}
18787       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18788     },
18789     overface .value_required:n = {true},
18790
18791     downface .code:n = {
18792       \sbox\l_mix_poster_box{
18793         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18794         \mix_pdfxform:n{\l_mix_poster_box}
18795         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18796       },
18797       downface .value_required:n = {true},
18798
18799       3Dgotoview .code:n = {
18800         \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
18801         \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
18802         \tl_trim_spaces:N\l_tmpa_tl
18803         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18804           \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18805             \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
18806             \regex_replace_once:nnN{[~:]+:??}{\1}\l_tmpb_tl
18807             \tl_trim_spaces:N\l_tmpb_tl
18808             \tl_if_blank:VF\l_tmpb_tl{
18809               \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18810                 \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
18811             }{
18812               \regex_match:nVTF{^~\d+$}\l_tmpb_tl{
18813                 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
18814             }{
18815               \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
18816               \regex_replace_once:nnN{\s*\)}{\1}\l_tmpb_tl
18817               \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
18818             }
18819           }
18820         }
18821         \mix_pdfobj:nnn{}{dict}{
18822           /S/JavaScript/JS~(
18823             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18824             if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18825               annotRM['\l_tmpa_tl']=
18826               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18827             }
18828             annotRM['\l_tmpa_tl'].activated=true;

```




```

18829     )
18830     \tl_if_blank:VF\l_tmpb_tl{
18831       /Next~<<
18832       /S/GoTo3DView
18833       /TA~\tl_use:c{ann@\l_tmpa_tl}
18834       /V\l_mix_vidx_tl
18835     >>
18836   }
18837 }
18838 \tl_gput_right:Nx\g_mix_btnactions_tl{-\mix_pdflastobj:}
18839 }
18840 }{
18841   \msg_warning:nx{media9}{undefined-reference}{\l_tmpa_tl}
18842   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18843     \tl_new:N\g_mix_refundefwarned_tl
18844     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18845   }
18846 }
18847 },
18848 3Dgotoview .value_required:n = {true},
18849
18850 mediacommand .code:n = {
18851   \tl_set:Nx\l_tmpa_tl{#1}
18852   \regex_replace_once:nnN{([\^:]+):??.*}{\1}\l_tmpa_tl %extract ref
18853   \tl_trim_spaces:N\l_tmpa_tl
18854   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18855     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18856       \tl_set:Nx\l_tmpb_tl{#1}
18857       \regex_replace_once:nnN{[\^:]+\?:}{\1}\l_tmpb_tl
18858       \tl_trim_spaces:N\l_tmpb_tl
18859       \regex_replace_all:nnN{^\{|\}\$}{\1}\l_tmpb_tl
18860       \tl_set:Nx\l_mix_cmd_tl{
18861         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18862       \tl_trim_spaces:N\l_mix_cmd_tl
18863       \tl_set:Nx\l_mix_arg_tl{
18864         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18865       \tl_trim_spaces:N\l_mix_arg_tl
18866       \mix_pdfobj:nnn{}{dict}{
18867         /S/JavaScript/JS~(
18868           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18869           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18870             annotRM['\l_tmpa_tl']=
18871             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18872           }
18873           annotRM['\l_tmpa_tl'].activated=true;
18874         )
18875       \tl_if_blank:VF\l_mix_cmd_tl{
18876         /Next~<<
18877         /S/RichMediaExecute
18878         /TA~\tl_use:c{ann@\l_tmpa_tl}
18879         /TI~\tl_use:c{main@\l_tmpa_tl}
18880         /CMD~<<
18881         /C~(\l_mix_cmd_tl)
18882         \tl_if_blank:VF\l_mix_arg_tl{

```



```

18883         /A~[\l_mix_arg_tl]
18884     }
18885     >>
18886     >>
18887     }
18888     }
18889     \tl_gput_right:Nx\g_mix_btnactions_tl{-\mix_pdflastobj:}
18890 }
18891 }{
18892   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18893   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18894     \tl_new:N\g_mix_refundefwarned_tl
18895     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18896   }
18897 }
18898 },
18899 mediacommand .value_required:n = {true},
18900
18901 jsaction .code:n = {
18902   \tl_set:Nx\l_tmpa_tl{#1}
18903   \regex_match:nVTF{^[^\:]+:.*$}\l_tmpa_tl{
18904     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
18905     \tl_trim_spaces:N\l_tmpa_tl
18906   }{\tl_clear:N\l_tmpa_tl}
18907   \tl_set:Nx\l_tmpb_tl{#1}
18908   \tl_if_blank:VF\l_tmpa_tl{
18909     \tl_if_exist:cF{ann@\l_tmpa_tl}{
18910       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18911       \cs_if_exist:NF\g_mix_refundefwarned_tl{
18912         \tl_new:N\g_mix_refundefwarned_tl
18913         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18914       }
18915     }
18916     \regex_replace_once:nnN{[^\:]+\:}{\1}\l_tmpb_tl
18917   }
18918   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18919   \tl_trim_spaces:N\l_tmpb_tl
18920   \tl_if_blank:VF\l_tmpb_tl{
18921     \mix_pdfobj:nnn{}{dict}{
18922       /S/JavaScript/JS~(
18923         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
18924   \bool_lazy_and:nnT{
18925     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18926   }{
18927     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18928   }{
18929     \mix_pdfobj:nnn{}{dict}{
18930       /S/JavaScript/JS~(
18931         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
18932         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18933           annotRM['\l_tmpa_tl']=
18934             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18935         }
18936         annotRM['\l_tmpa_tl'].activated=true;

```



```

18937     )
18938     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
18939   }
18940 }
18941 \bool_if:nT{
18942   \bool_lazy_and_p:nn{
18943     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18944   }{
18945     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18946   }
18947   || !\tl_if_blank_p:V\l_tmpb_tl
18948 }{
18949   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18950 }
18951 },
18952 jsaction .value_required:n = {true},
18953
18954 unknown .code:n = {
18955   \msg_error:nx{media9}{unknown~option}{\l_keys_key_tl}
18956 }
18957 }
18958
18959 \RenewDocumentCommand\includemedia{0{mm}}{-%#1 options, #2 text/image #3 media file
18960   \mix_uriend:
18961   \group_begin:
18962   \mix_beginLTR:
18963   \mode_leave_vertical:
18964   %empty stream as appearance dummy
18965   \cs_if_exist:NF\g_mix_appearance_tl{
18966     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
18967     \mix_pdfxform:n{\l_mix_poster_box}
18968     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18969   }
18970   \mix_reset:
18971   \mix_uribegin: %treat URI characters correctly
18972   \keys_set:nn{media9/user}{#1}
18973   \mix_uriend:
18974   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
18975   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
18976   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
18977   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
18978   \tl_gtrim_spaces:N\g_mix_flashvars_tl
18979
18980   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
18981
18982   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
18983   %\hbox_set:Nn\l_mix_poster_box{#2}
18984   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
18985   \mix_scale:n{\l_mix_poster_box}
18986   \bool_if:nT{
18987     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
18988     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
18989   }{
18990     \tl_gset:Nn\g_mix_usrpbtn_tl{none}

```



```

18991 }
18992 \bool_if:NTF\g_mix_usrdraft_bool{
18993   \tl_if_empty:NF\g_mix_usrlabel_tl{
18994     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
18995   }
18996   \tl_if_blank:oTF{#2}{
18997     \mix_uribegin: %treat URI characters correctly
18998     \mix_draftbox:n{\tl_to_str:n{#3}}
18999     \mix_uriend:
19000   }{
19001     \hbox_to_wd:nn{\g_mix_wd_tl}{
19002       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
19003       \box_use:N\l_mix_poster_box\hss
19004     }
19005   }
19006 }{
19007   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
19008     %attach script that switches off play button overlay upon activation
19009     \mix_pdfobj:nnn{}{stream}{
19010       {}{
19011         var~ocgs=host.getOCGs(host.pageNum);
19012         for(var~i=0;i<ocgs.length;i++){
19013           if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
19014             ocgs[i].state=false;
19015           }
19016         }
19017       }
19018     }
19019     \mix_pdfobj:nnn{}{dict}{
19020       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
19021     }
19022     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
19023     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
19024     %enforce plain playbutton overlay for XeTeX
19025     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
19026   }
19027   %embed main asset
19028   \mix_uribegin:
19029   \mix_embedasset:n{#3}
19030   \bool_if:nTF{
19031     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
19032   }{
19033     \bool_gset_true:N\g_mix_iiid_bool
19034     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
19035   }{
19036     \str_case_e:nnF{\l_mix_base_tl}{
19037       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19038       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19039       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19040       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19041       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19042     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
19043   }
19044   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}

```



```

19045 \mix_uriend:
19046 %secondary assets (added by addressource)
19047 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
19048 \seq_map_inline:Nn\g_mix_script_seq{
19049   \mix_embedasset:n{##1}
19050   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
19051 }
19052 %attach 3D calculation script
19053 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
19054   \mix_embedasset:n{3Dmenu.js}
19055   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
19056 }
19057 %create 3D views from file (option 3Dviews)
19058 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
19059   \tl_set:Nn\l_mix_level_tl{-1}
19060   \int_zero:N\l_mix_viewcnt_int
19061   \int_zero:N\l_mix_lineno_int
19062
19063   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
19064   \ior_map_inline:Nn\l_mix_vfile_stream{
19065     \int_incr:N\l_mix_lineno_int
19066     \keys_set:nn{media9/views}{##1} %process input line
19067   }
19068   \ior_close:N\l_mix_vfile_stream
19069 }
19070 \bool_if:nT{ %create default 3D view if required
19071   \g_mix_iiid_bool &&
19072   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
19073 }{
19074   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
19075   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
19076   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
19077   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
19078   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
19079   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
19080   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
19081
19082   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
19083   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
19084   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
19085   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
19086
19087   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
19088   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
19089   \tl_clear:N\l_mix_naarray_tl
19090
19091   \bool_if:NF\l_mix_ciiw_bool{
19092     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
19093     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
19094   }
19095
19096   \tl_clear:N\l_mix_naarray_tl
19097   \tl_clear:N\l_mix_saarray_tl
19098   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl

```



```

19099
19100     \mix_view:n{Default}
19101     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
19102
19103 }
19104 \mix_pdfobj:nnn{}{dict}{
19105   /Type/RichMediaInstance
19106   /Subtype/\g_mix_mainassetsub_tl
19107   /Asset~\g_mix_mainasset_tl
19108   \bool_if:NF\g_mix_iiid_bool{
19109     /Params~<<
19110     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
19111       /Foreground
19112     }{
19113       /Background
19114     }
19115     \tl_if_blank:VF\g_mix_flashvars_tl{
19116       /FlashVars~(\g_mix_flashvars_tl)
19117     }
19118     >>
19119   }
19120 }
19121 \tl_if_empty:NF\g_mix_usrlabel_tl{
19122   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
19123 }
19124 \mix_pdfobj:nnn{}{dict}{
19125   /Type/RichMediaConfiguration
19126   /Subtype/\g_mix_mainassetsub_tl
19127   /Instances~[\mix_pdflastobj:]
19128 }
19129 \mix_pdfobj:nnn{}{dict}{
19130   /Type/RichMediaContent
19131   /Assets~<</Names~[\g_mix_assets_tl]>>
19132   /Configurations~[\mix_pdflastobj:]
19133   \bool_if:nT{
19134     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
19135   }{
19136     /Views~[\l_mix_iiidviewarray_tl]
19137   }
19138 }
19139 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
19140 \bool_if:nT{
19141   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
19142 }{
19143   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
19144 }
19145 %determine floating window size
19146 \bool_if:NT\g_mix_opt_windowed_bool{
19147   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
19148 }
19149 \mix_pdfobj:nnn{}{dict}{
19150   /Activation~<<
19151   /Condition\g_mix_act_tl
19152   \bool_if:nT{

```



```

19153         \g_mix_iiid_bool &&
19154         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
19155     }{%seems to work only with 3D content
19156     /Animation~<<
19157         /Subtype~\g_mix_playtpe_tl
19158         /PlayCount~\g_mix_playcnt_tl
19159         /Speed~\g_mix_playspd_tl
19160     >>
19161 }
19162 \bool_if:nT{
19163     \g_mix_iiid_bool && (
19164         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
19165     )
19166 }{/View~\l_mix_dfltview_tl}
19167 /Presentation~<<
19168     /Transparent~\g_mix_transp_tl
19169     \bool_if:NTF\g_mix_opt_windowed_bool{
19170         /Style/Windowed
19171         /Window~<<
19172             /Width~<</Default~\tl_mix_fltd>>
19173             /Height~<</Default~\tl_mix_fltht>>
19174             /Position~<<
19175                 /Hoffset~0/Voffset~0
19176                 \str_case_e:nnF{\g_mix_winpos_tl}{
19177                     {tl}{/VAlign/Near/HAlign/Near}
19178                     {cl}{/VAlign/Center/HAlign/Near}
19179                     {bl}{/VAlign/Far/HAlign/Near}
19180                     {bc}{/VAlign/Far/HAlign/Center}
19181                     {br}{/VAlign/Far/HAlign/Far}
19182                     {cr}{/VAlign/Center/HAlign/Far}
19183                     {tr}{/VAlign/Near/HAlign/Far}
19184                     {tc}{/VAlign/Near/HAlign/Center}
19185                 }{/HAlign/Center/VAlign/Center}
19186             >>
19187         >>
19188     }{
19189         /Style/Embedded
19190     }
19191     \bool_if:NTF\g_mix_iiid_bool{
19192         /Toolbar~\g_mix_tools_tl
19193         /NavigationPane~\g_mix_nav_tl
19194     }{
19195         /PassContextClick~\g_mix_contextclick_tl
19196     }
19197     >>
19198     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
19199     >>
19200     /Deactivation~<</Condition\g_mix_deact_tl>>
19201 }
19202 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
19203 \tl_if_empty:NF\g_mix_usrlabel_tl{
19204     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
19205 }
19206 % #1:width, #2:height, #3:depth, #4:content (key-value)

```



```

19207 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
19208 /Subtype/RichMedia
19209 /F~4
19210 /BS~<</W~0/S/S>>
19211 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
19212 /NM~(\g_mix_label_tl)
19213 /AP~<</N~\g_mix_appearance_tl>>
19214 /RichMediaSettings~\l_mix_settings_tl
19215 /RichMediaContent~\l_mix_content_tl
19216 }
19217 \tl_if_empty:NF\g_mix_usrlabel_tl{
19218 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
19219 \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
19220 \noexpand\the\g@mix@page@int}
19221 }
19222 \mix_pdfobj:nnn{}{dict}{
19223 /S/JavaScript/JS~(
19224 try{
19225 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
19226 if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
19227 annotRM['\g_mix_label_tl']=
19228 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
19229 }
19230 \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
19231 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19232 var~ocgs=this.getOCGs(this.pageNum);
19233 for(var~i=0;i<ocgs.length;i++){
19234 if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
19235 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19236 }
19237 }
19238 }
19239 if(
19240 !annotRM['\g_mix_label_tl'].activated&&(
19241 app.viewerType=='Reader' ||
19242 app.viewerType=='Exchange' ||
19243 app.viewerType=='Exchange-Pro'
19244 )&&app.viewerVersion>=9
19245 ){
19246 ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19247 }
19248 }
19249 }catch(e){}
19250 this.dirty=false;
19251 )
19252 }
19253 \mix_pdfannot:nnnn{0pt}{0pt}{0pt}{
19254 /Subtype/Widget
19255 /FT/Btn/Ff~65537/F~2
19256 /BS~<</W~0>>
19257 /T~(fd@\g_mix_label_tl)
19258 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19259 }
19260 \mix_appendtofields:n{\mix_pdflastann:}

```




```

19261 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19262 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19263   \hbox_to_wd:nn{\g_mix_wd_tl}{
19264     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19265   }
19266 }{%insert play button overlay
19267   \mix_insert_btnocg: %create OCG
19268   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
19269   \group_begin:
19270   \cs_if_exist:NT\textdir{\textdir TLT}
19271   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19272   \box_move_down:nn{\g_mix_dp_tl}{
19273     \hbox_to_wd:nn{\g_mix_wd_tl}{
19274       \vbox_to_ht:nn{\g_mix_tt_tl}{
19275         \vss
19276         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19277         \box_use:N\l_mix_pbtn_box
19278         \ocgbase_oc_emc:
19279       }
19280     }
19281   }
19282   \group_end:
19283 }
19284 \int_gincr:N\g_mix_rmcnt_int
19285 }
19286 \mix_endLTR:
19287 \group_end:
19288 }
19289 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19290 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
19291
19292 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
19293   \mix_urieend:
19294   \group_begin:
19295   \mix_beginLTR:
19296   \mode_leave_vertical:
19297   %reset various variables
19298   \tl_gclear:N\g_mix_overbtn_tl
19299   \tl_gclear:N\g_mix_downbtn_tl
19300   \tl_gclear:N\g_mix_btnactions_tl
19301   \tl_gclear:N\g_mix_tooltip_tl
19302   %process options
19303   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19304   \mix_uribegin: %treat URI characters correctly
19305   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19306   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19307   \mix_urieend:
19308   %normal button appearance
19309   %\hbox_set:Nn\l_mix_poster_box{#2}
19310   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19311   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19312   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19313   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19314   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{

```



```

19315 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
19316 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19317 \mix_pdfxform:n{\l_mix_poster_box}
19318 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19319 %insert widget annotation
19320 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19321 /Subtype/Widget
19322 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
19323 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19324 /FT/Btn/Ff-65536
19325 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
19326 /AP~<<
19327 /N~\g_mix_normalbtn_tl
19328 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19329 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19330 >>
19331 /MK~<<
19332 /TP-1~/IF~<</S/A/FB~true/A~[0.0-0.0]>>
19333 /I~\g_mix_normalbtn_tl
19334 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
19335 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19336 >>
19337 /A~<<
19338 /S/JavaScript/JS~(app.focusRect=false;)
19339 %sequence of actions to perform
19340 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19341 >>
19342 }
19343 \mix_appendtofields:n{\mix_pdflastann:}
19344 \hbox_to_wd:nn{\width}{
19345 \vrule-width~\c_zero_dim~height~\height~depth~\depth\hss
19346 }
19347 \int_gincr:N\g_mix_mbtncnt_int
19348 }
19349 \mix_endLTR:
19350 \group_end:
19351 }
19352 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19353 \tl_set:Nn\mediabutton{\mix_urbegin:\l_mix_mediabutton_tl}
19354

```

115 File memoir-xetex-bidi.def

```

19355 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for
19356 \renewcommand{\keepthetitle}{%
19357 \@bsmtitleempty
19358 \global\let\thanks\relax
19359 \global\let\LTRthanks\relax
19360 \global\let\RTLthanks\relax
19361 \global\let\and\relax
19362 \global\let\andnext\relax
19363 \global\let\@thanks\@empty
19364 \global\let\@title\@empty
19365 \global\let\@author\@empty

```



```

19366 \global\let\@date\@empty}
19367 \renewcommand{\maketitle}{\par
19368 \beginingroup
19369 \@bsmarkseries
19370 \def\@makefnmark{\@textsuperscript{%
19371 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
19372 \long\def\@makefntext##1{\makethanksmark ##1}
19373 \if@twocolumn
19374 \ifnum \col@number=\@one
19375 \@maketitle
19376 \else
19377 \twocolumn[\@maketitle]%
19378 \fi
19379 \else
19380 \ifdim\pagetotal>\z@
19381 \newpage
19382 \fi
19383 \global\@topnum\z@
19384 \@maketitle
19385 \fi
19386 \thispagestyle{title}\@thanks
19387 \endgroup
19388 \@bscontmark % \setcounter{footnote}{0}%
19389 }
19390 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19391 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19392 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19393 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19394 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19395 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19396 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
19397 \renewcommand*{\thesubsection}{\%
19398 \thesection\@SepMark\@arabic\c@subsection}
19399 \renewcommand*{\thesubsubsection}{\%
19400 \thesubsection\@SepMark\@arabic\c@subsubsection}
19401 \renewcommand*{\theparagraph}{\%
19402 \thesubsubsection\@SepMark\@arabic\c@paragraph}
19403 \renewcommand*{\thesubparagraph}{\%
19404 \theparagraph\@SepMark\@arabic\c@subparagraph}
19405 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19406 \renewcommand{\theequation}{\%
19407 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19408 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19409 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19410 \ifartopt
19411 \chapterstyle{article}
19412 \counterwithout{figure}{chapter}
19413 \counterwithout{table}{chapter}
19414 \counterwithout{footnote}{chapter}
19415 \counterwithout{equation}{chapter}
19416 \renewcommand{\chaptername}{\}
19417 \renewcommand{\maketitlehookb}{\%
19418 \vskip -1.5\topsep\vskip -1.5\partopsep}
19419 \renewcommand{\maketitlehookc}{\%

```



```

19420 \vskip -1.5\topsep\vskip -1.5\partopsep}
19421 \fi
19422 \long\def\@makecaption#1#2{\let\@memtempa\relax
19423 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19424 \else \def\@memtempa{\vbox to\topskip{}}\fi
19425 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
19426 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
19427 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19428 \let\footnote\@contfnote
19429 \let\footnotemark\@contfmark
19430 \ifdim\wd\@tempboxa<\linewidth \centering \fi
19431 \if@contcw
19432 \centering
19433 \parbox{\@contcwidth}{%
19434 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19435 \fi
19436 \ifdim\wd\@tempboxa<\linewidth
19437 \@contpre
19438 {\@contnfont #1\@contdelim}\@memtempa
19439 {\@contcshortstyle \@conttfont #2\@contfinal\par}
19440 \else
19441 \if@conthang
19442 \sbox\@tempboxa{\@contnfont #1\@contdelim}
19443 \@contpre%
19444 {\@contcstyle\hangindent=\wd\@tempboxa
19445 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19446 \else
19447 \if@contindent
19448 \@contpre%
19449 {\@contnfont #1\@contdelim}\@memtempa
19450 {\@contcstyle\hangindent=\@contindw
19451 \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
19452 \else
19453 \@contpre%
19454 {\@contnfont #1\@contdelim}\@memtempa
19455 {\@contcstyle \@conttfont #2\@contfinal\par}
19456 \fi
19457 \fi
19458 \fi
19459 \@contpost
19460 \if@contcw
19461 \par
19462 } % end of the \parbox
19463 \fi
19464 \vskip\belowcaptionskip}
19465 \@ifpackageloaded{caption}{%
19466 \AtBeginPackage{caption}{
19467 \ClassWarningNoLine{memoir}{%
19468 You are using the caption package with the memoir \MessageBreak
19469 class. This may cause unexpected or inconsistent \MessageBreak
19470 results if you use any of memoir's captioning facilities}
19471
19472 \long\def\@makecaption##1##2{%
19473 \vskip\abovecaptionskip

```



```

19474 \sbox\tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19475 \ifdim \wd\tempboxa >\hsize
19476 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19477 \else
19478 \global \@minipagefalse
19479 \hb@xt@\hsize{\hfil\box\tempboxa\hfil}%
19480 \fi
19481 \vskip\belowcaptionskip}
19482
19483 \def\caption{%
19484 \ifx\@capttype\undefined
19485 \@latex@error{\noexpand\caption outside float}\@ehd
19486 \expandafter\@gobble
19487 \else
19488 \refstepcounter\@capttype
19489 \expandafter\@firstofone
19490 \fi
19491 {\@dblarg{\@caption\@capttype}}%
19492 }
19493
19494 \long\def\@caption##1[##2]##3{%
19495 \par
19496 \addcontentsline{\csname ext@##1\endcsname}{##1}%
19497 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19498 \begingroup
19499 \@parboxrestore
19500 \if@minipage
19501 \@setminipage
19502 \fi
19503 \normalsize
19504 \@makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
19505 \endgroup}
19506 }}{}}
19507 \renewenvironment{thebibliography}[1]{%
19508 \bibsection
19509 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19510 \bidi@thebibliography@font@hook%
19511 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

116 File midfloat-xetex-bidi.def

```

19512 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
19513 \def\RTL@outputdblcol{%
19514 \if@firstcolumn
19515 \global \@firstcolumnfalse
19516 \global\setbox\@leftcolumn\copy\@outputbox
19517 \splitmaxdepth\maxdimen
19518 \vbadness\maxdimen
19519 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19520 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19521 \toks@\expandafter{\topmark}%
19522 \xdef\@firstcoltopmark{\the\toks@}%
19523 \toks@\expandafter{\splitfirstmark}%
19524 \xdef\@firstcolfirstmark{\the\toks@}%

```



```

19525 \ifx\@firstcolfirstmark\@empty
19526 \global\let\@setmarks\relax
19527 \else
19528 \gdef\@setmarks{%
19529 \let\firstmark\@firstcolfirstmark
19530 \let\topmark\@firstcoltopmark}%
19531 \fi
19532 \global\c@colht\@colht\global\c@advvipersep\z@
19533 \ifnum\juc@sk>0
19534 \remove@strip\juc@sar
19535 \global\@colht\the\juc@pr
19536 \ifdim\right@cor>\z@
19537 \global\advance\@colht by\right@cor
19538 \fi
19539 \global\advance\@colht by\cor@height
19540 \global\cor@height=0pt
19541 \fi
19542 \global\setbox\@rightcolumn\vbox{}}%
19543 \else
19544 \ifdim\c@colht>\@colht
19545 \@tempdima\@colht
19546 \ifdim\@colht>\z@
19547 \global\setbox\@rightcolumn\vbox{%
19548 \unvbox\@rightcolumn
19549 \vbox to\@tempdima{%
19550 \vskip\c@advvipersep\unvbox\@outputbox}%
19551 \vskip\stripsep
19552 \vrule height\the\juc@ht width 0pt depth 0pt
19553 \vskip\stripsep
19554 }%
19555 \global\c@advvipersep\m@advvipersep
19556 \else
19557 \global\setbox\@rightcolumn\vbox{%
19558 \unvbox\@rightcolumn
19559 \vrule height\the\juc@ht width 0pt depth 0pt
19560 \vskip\stripsep
19561 }%
19562 \fi
19563 \ifnum\juc@sk>0
19564 \remove@strip\juc@sar
19565 \global\@colht\the\juc@pr
19566 \global\advance\@colht by-\ht\@rightcolumn
19567 \global\advance\@colht by\cor@height
19568 \global\cor@height=0pt
19569 \else
19570 \global\advance\c@colht by-\ht\@rightcolumn
19571 \global\@colht\c@colht
19572 \fi
19573 \else
19574 \global\@firstcolumntrue
19575 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19576 \unvbox\@rightcolumn
19577 \vskip\c@advvipersep
19578 \unvbox\@outputbox

```



```

19579         }%
19580 \setbox\@outputbox \vbox {%
19581         \hb@xt@\textwidth {%
19582         \hskip \columnwidth
19583         \hfil
19584         \vrule \@width\columnseprule
19585         \hfil
19586         \hb@xt@\columnwidth {%
19587         \bidi@firstcolumn@status@write%
19588         \box\@leftcolumn \hss}%
19589         \hskip-\textwidth
19590         \hb@xt@\columnwidth {%
19591         \bidi@lastcolumn@status@write%
19592         \box\@outputbox \hss}%
19593         \hskip\columnwidth
19594         \hskip\columnsep}%
19595         }%
19596 \@combinedblfloats
19597 \@setmarks
19598 \@outputpage
19599 \begingroup
19600 \@dblfloatplacement
19601 \@startdblcolumn
19602 \@whilesw@if@fcolmade \fi
19603   {\@outputpage
19604   \@startdblcolumn}%
19605 \endgroup
19606 \global\jua@sk=0\global\jua@sar={}%
19607 \global\cor@height\z@\global\c@addvipersep\z@
19608 \fi
19609 \fi
19610 }
19611
19612
19613 \def\LTR@outputdblcol{%
19614   \if@firstcolumn
19615     \global \@firstcolumnfalse
19616     \global\setbox\@leftcolumn\copy\@outputbox
19617     \splitmaxdepth\maxdimen
19618     \vbadness\maxdimen
19619     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19620     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19621     \toks@\expandafter{\topmark}%
19622     \xdef\@firstcoltopmark{\the\toks@}%
19623     \toks@\expandafter{\splitfirstmark}%
19624     \xdef\@firstcolfirstmark{\the\toks@}%
19625     \ifx\@firstcolfirstmark\@empty
19626       \global\let\@setmarks\relax
19627     \else
19628       \gdef\@setmarks{%
19629         \let\firstmark\@firstcolfirstmark
19630         \let\topmark\@firstcoltopmark}%
19631     \fi
19632 \global\c@colht\@colht\global\c@addvipersep\z@

```



```

19633 \ifnum\jua@sk>0
19634 \remove@strip\jua@sar
19635 \global\@colht\the\jua@pr
19636 \ifdim\right@cor>\z@
19637 \global\advance\@colht by\right@cor
19638 \fi
19639 \global\advance\@colht by\cor@height
19640 \global\cor@height=0pt
19641 \fi
19642 \global \setbox\@rightcolumn \vbox{}%
19643 \else
19644 \ifdim\c@colht>\@colht
19645 \@tempdima\@colht
19646 \ifdim\@colht>\z@
19647 \global\setbox\@rightcolumn \vbox{%
19648 \unvbox\@rightcolumn
19649 \vbox to\@tempdima{%
19650 \vskip\c@advipersep\unvbox\@outputbox}%
19651 \vskip\stripsep
19652 \vrule height\the\jua@ht width Opt depth Opt
19653 \vskip\stripsep
19654 }%
19655 \global\c@advipersep\m@advipersep
19656 \else
19657 \global\setbox\@rightcolumn \vbox{%
19658 \unvbox\@rightcolumn
19659 \vrule height\the\jua@ht width Opt depth Opt
19660 \vskip\stripsep
19661 }%
19662 \fi
19663 \ifnum\jua@sk>0
19664 \remove@strip\jua@sar
19665 \global\@colht\the\jua@pr
19666 \global\advance\@colht by -\ht\@rightcolumn
19667 \global\advance\@colht by\cor@height
19668 \global\cor@height=0pt
19669 \else
19670 \global\advance\c@colht by-\ht\@rightcolumn
19671 \global\@colht\c@colht
19672 \fi
19673 \else
19674 \global\@firstcolumntrue
19675 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19676 \unvbox\@rightcolumn
19677 \vskip\c@advipersep
19678 \unvbox\@outputbox
19679 }%
19680 \setbox\@outputbox \vbox {%
19681 \hb@xt@\textwidth {%
19682 \hb@xt@\columnwidth {%
19683 \bidi@firstcolumn@status@write%
19684 \box\@leftcolumn \hss}%
19685 \hfil
19686 \vrule \@width\columnseprule

```




```

19687             \hfil
19688             \hb@xt@\columnwidth {%
19689                 \bidi@lastcolumn@status@write%
19690                 \box\@outputbox \hss}%
19691                 }%
19692             }%
19693     \@combinedblfloats
19694     \@setmarks
19695     \@outputpage
19696     \begingroup
19697         \@dblfloatplacement
19698         \@startdblcolumn
19699         \@whilesw\if@fcolmade \fi
19700         {\@outputpage
19701          \@startdblcolumn}%
19702     \endgroup
19703     \global\jua@sk=0\global\jua@sar={}%
19704     \global\cor@height\z@\global\c@addvipersep\z@
19705     \fi
19706 \fi
19707 }
19708
19709
19710 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19711   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\f
19712     \hsize\textwidth
19713     \@parboxrestore
19714     \col@number \@ne
19715     \vrule height\topskip width0pt depth0pt
19716 }
19717
19718 \def\endstrip{%
19719     \egroup\egroup
19720     \if@firstcolumn
19721         \ifdim\pagetotal>\z@
19722             \vskip\stripsep
19723             \global\ht@strip\pagegoal
19724             \global\advance\ht@strip by-\pagetotal
19725             \global\advance\ht@strip by-\stripsep
19726             \global\advance\ht@strip by-\ht\@viper
19727             \global\advance\ht@strip by-\stripsep
19728             \global\jua@ht=\ht\@viper
19729         \else
19730             \global\ht@strip\z@
19731         \fi
19732     \ifdim\ht@strip>\z@
19733         \unvbox\@viper
19734         \vskip\stripsep
19735         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19736         \global\advance\jua@sk by1
19737     \else
19738         \@latex@error{Strip needs more place!}\@ehc
19739         \if@viihproof
19740             \framebox[\columnwidth]{??? Strip ???}%

```



```

19741         \fi
19742     \fi
19743 \else
19744     \@latex@error{Strip is used only on left column!}\@ehc
19745     \if@vihproof
19746         \framebox[\columnwidth]{??? Strip ???}%
19747     \fi
19748 \fi
19749 }

```

117 File minitoc-xetex-bidi.def

```

19750 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package]
19751 \def\@undottedtocline#1#2#3#4#5{%
19752     \ifnum #1>\c@tocdepth\relax \else
19753         \vskip \z@ plus.2\p@
19754         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
19755         \parindent #2\relax\@afterindenttrue
19756         \interlinepenalty\@M
19757         \leavevmode
19758         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}}%
19759         \hskip -\if@RTL\rightskip\else\leftskip\fi
19760         #4\nobreak\hfill \nobreak
19761         \null\par}%
19762 \fi}
19763 \def\@Undottedtocline#1#2#3#4#5{%
19764     \ifnum #1>\c@tocdepth\relax \else
19765         \vskip \z@ \@plus.2\p@
19766         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
19767         \parindent #2\relax\@afterindenttrue
19768         \interlinepenalty\@M
19769         \leavevmode
19770         \@tempdima #3\relax
19771         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19772         {\coffeesfont #4}\nobreak \nobreak\null
19773         \par}%
19774 \fi}
19775 \def\@Undottedtoclinep#1#2#3#4#5{%
19776     \ifnum #1>\c@tocdepth\relax \else
19777         \vskip \z@ \@plus.2\p@
19778         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
19779         \parindent #2\relax\@afterindenttrue
19780         \interlinepenalty\@M
19781         \leavevmode
19782         \@tempdima #3\relax
19783         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19784         {#4}\nobreak \hfill \nobreak\null
19785         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19786     \par}%
19787 \fi}

```

118 File multicol-xetex-bidi.def

```

19788 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]

```



```

19789 \def\page@sofar{%
19790   \process@cols\mult@rightbox
19791   {\ifvoid\count@
19792     \setbox\count@\hbox to\hsize{}}%
19793   \else
19794     \wd\count@\hsize
19795   \fi}%
19796 \count@\col@number \advance\count@\m@ne
19797 \mult@info\z@
19798 {Column spec: \the\full@width\space = indent
19799   + columns + sep =\MessageBreak
19800   \the\multicol@leftmargin\space
19801   + \the\col@number\space
19802   x \the\hsize\space
19803   + \the\count@\space
19804   x \the\columnsep
19805   }%
19806 \ifvmode\else\errmessage{Multicol Error}\fi
19807 \nointerlineskip
19808 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
19809 \moveright\multicol@leftmargin
19810 \hbox to\full@width{%
19811   \bidi@multicol@align@columns
19812   \rlap{\phantom p}}%
19813   }%
19814 \prevdepth\z@
19815 \kern-\dimen\tw@
19816 \ifdim\dimen\tw@ > \mc@gridwarn
19817   \PackageWarning{multicol}%
19818     {Very deep columns!\MessageBreak
19819     Grid alignment might be broken}%
19820 \fi
19821 }
19822 \def\LTR@column@boxes{%
19823   \process@cols\mult@firstbox{%
19824     \ifdim\dp\count@>\dimen\tw@
19825       \global\dimen\tw@\dp\count@ \fi
19826     \mc@col@status@write
19827     \box\count@
19828     \hss{\columnseprulecolor\vrule
19829       \@width\columnseprule}\hss}%
19830   \ifdim\dp\mult@rightbox>\dimen\tw@
19831     \global\dimen\tw@\dp\mult@rightbox \fi
19832   \mc@lastcol@status@write
19833   \box\mult@rightbox
19834 }
19835
19836 \def\RTL@column@boxes{%
19837   \process@cols\mult@firstbox{%
19838     \hskip\hsize
19839     \hss{\columnseprulecolor\vrule
19840       \@width\columnseprule}\hss
19841     }%
19842   \hskip\hsize

```



```

19843 \process@cols\mult@firstbox{%
19844 \ifdim\dp\count@>\dimen\tw@
19845 \global\dimen\tw@\dp\count@ \fi
19846 \hskip-\hsize
19847 \mc@col@status@write
19848 \box\count@
19849 \hskip-\hsize
19850 \hskip-\columnsep
19851 }%
19852 \ifdim\dp\mult@rightbox>\dimen\tw@
19853 \global\dimen\tw@\dp\mult@rightbox \fi
19854 \hskip-\hsize
19855 \mc@lastcol@status@write
19856 \box\mult@rightbox
19857 \hskip-\hsize
19858 \hskip\full@width
19859 }
19860
19861 \newcommand\RTLmulticolcolumns
19862 {\let\ bidi@multicol@align@columns
19863 \RTL@column@boxes}
19864 \newcommand\LTRmulticolcolumns
19865 {\let\ bidi@multicol@align@columns
19866 \LTR@column@boxes}
19867 \newcommand\ bidi@multicol@align@columns
19868 {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19869 \ bidi@AtEndPreamble{%
19870 \if@ bidi@csdef{footinsv@1}{%
19871 \def\footnoterule{\kern-3\p@
19872 \hrule \@width \textwidth \kern 2.6\p@}%
19873 }{}}%
19874 }
19875 \def\multicols#1{\col@number#1\relax
19876 \ifnum\col@number<\tw@
19877 \PackageWarning{multicol}%
19878 {Using ` \number\col@number'
19879 columns doesn't seem a good idea.^^J
19880 I therefore use two columns instead}%
19881 \col@number\tw@ \fi
19882 \ifnum\col@number>20
19883 \PackageError{multicol}%
19884 {Too many columns}%
19885 {Current implementation doesn't
19886 support more than 20 columns.%
19887 \MessageBreak
19888 I therefore use 20 columns instead}%
19889 \col@number20 \fi
19890 \ifx\@footnotetext\mult@footnotetext
19891 \else
19892 \let\orig@footnotetext\@footnotetext
19893 \let\@footnotetext\mult@footnotetext
19894 \fi
19895 \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19896 \else

```



```

19897     \let\orig@LTRfootnotetext\@LTRfootnotetext
19898     \let\@LTRfootnotetext\mult@LTRfootnotetext
19899     \fi
19900     \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19901     \else
19902     \let\orig@RTLfootnotetext\@RTLfootnotetext
19903     \let\@RTLfootnotetext\mult@RTLfootnotetext
19904     \fi
19905     \@ifnextchar[\mult@cols{\mult@cols[]}]
19906 \long\def\mult@footnotetext#1{\begingroup
19907     \hsize\textwidth
19908     \columnwidth\textwidth
19909     \orig@footnotetext{#1}\endgroup}
19910 \long\def\mult@LTRfootnotetext#1{\begingroup
19911     \hsize\textwidth
19912     \columnwidth\textwidth
19913     \orig@LTRfootnotetext{#1}\endgroup}
19914 \long\def\mult@RTLfootnotetext#1{\begingroup
19915     \hsize\textwidth
19916     \columnwidth\textwidth
19917     \orig@RTLfootnotetext{#1}\endgroup}
19918 \def\right@footnoterule{%
19919     \kern-3\p@
19920     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19921     \kern2.6\p@}
19922 \def\textwidth@footnoterule{\kern-3\p@
19923     \hrule \@width \textwidth \kern 2.6\p@}
19924 \def\@bidi@leave@mult@copyins{%
19925     \advance\dimen@-\skip\@bidi@copyins@
19926     \advance\dimen@-\ht\@bidi@copyins@
19927 }
19928
19929 \bidi@AtEndPreamble{%
19930     \if@bidi@csundef{footinsv@1}{%
19931         \bidi@patchcmd{\multi@column@out}{%
19932             \ifvbox \@kludgeins
19933         }{%
19934             \ifvoid\@bidi@copyins@ \else
19935                 \bidi@leave@mult@copyins
19936             \fi
19937             \ifvbox \@kludgeins
19938         }{}{}%
19939     }{}%
19940 }
19941
19942

```

119 File multienum-xetex-bidi.def

```

19943 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum pack
19944 \renewcommand{\itemx}[1]{\parbox[t]%
19945 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19946 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
19947 \renewcommand{\itemxx}[2]{\parbox[t]%

```



```

19948 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19949 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19950 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19951 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip
19952 \renewcommand{\itemxxx}[3]{\parbox[t]%
19953 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19954 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19955 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19956 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
19957 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19958 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}\smallskip
19959 \renewcommand{\itemxxxx}[4]{\parbox[t]%
19960 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19961 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19962 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19963 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19964 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19965 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19966 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19967 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
19968 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
19969 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19970 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
19971 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19972 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
19973 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19974 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
19975 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19976 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
19977 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19978 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
19979 \renewcommand{\itemxox}[2]{\parbox[t]%
19980 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19981 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19982 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19983 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
19984 \renewcommand{\itemxox}[2]{\parbox[t]%
19985 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19986 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
19987 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19988 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
19989 \renewcommand{\itemxox}[3]{\parbox[t]%
19990 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19991 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19992 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19993 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19994 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19995 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
19996 \renewcommand{\itemxox}[3]{\parbox[t]%
19997 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19998 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
19999 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20000 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
20001 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

20002 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
20003 \renewcommand{\itemxxxo}[3]{\parbox[t]{
20004 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20005 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
20006 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20007 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
20008 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20009 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

120 File natbib-xetex-bidi.def

```

20010 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package fo
20011 \renewenvironment{thebibliography}[1]{%
20012 \bibsection
20013 \parindent\z@
20014 \bibpreamble
20015 \bibfont
20016 \ifRTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
20017 \bidi@thebibliography@font@hook%
20018 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
20019 \ifNAT@openbib
20020 \renewcommand\newblock{\par}%
20021 \else
20022 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
20023 \fi
20024 \sloppy\clubpenalty4000\widowpenalty4000
20025 \sfcode`\.\@m
20026 \let\NAT@bibitem@first@sw\@firstoftwo
20027 \let\citeN\cite \let\shortcite\cite
20028 \let\citeasnoun\cite
20029 }{%
20030 \bibitem@fin
20031 \bibpostamble
20032 \def\@noitemerr{%
20033 \PackageWarning{natbib}{Empty `thebibliography' environment}%
20034 }%
20035 \endlist
20036 \bibcleanup
20037 }%

```

121 File newfloat-xetex-bidi.def

```

20038 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat packag
20039 \renewcommand*\newfloat@setwithin[2]{%
20040 \ifcsname c@chapter\endcsname
20041 \@removefromreset{#1}{chapter}%
20042 \fi
20043 \@removefromreset{#1}{section}%
20044 \edef\@tempa{#2}%
20045 \ifx\@tempa\@empty
20046 \def\@tempa{none}%
20047 \fi
20048 \def\@tempb{none}%
20049 \ifx\@tempa\@tempb

```



```

20050 \ifcsname c@chapter\endcsname
20051 \@chapterlistsgap@off{#1}%
20052 \fi
20053 \newfloat@@setwithin{#1}{-}{}%
20054 \else
20055 \def\@tempb{chapter}%
20056 \ifx\@tempa\@tempb
20057 \@addtoreset{#1}{chapter}%
20058 \@chapterlistsgap@on{#1}%
20059 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@
20060 \else
20061 \def\@tempb{section}%
20062 \ifx\@tempa\@tempb
20063 \@addtoreset{#1}{section}%
20064 \ifcsname c@chapter\endcsname
20065 \@addtoreset{#1}{chapter}%
20066 \@chapterlistsgap@on{#1}%
20067 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
20068 \else
20069 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsecti
20070 \fi
20071 \else
20072 \newfloat@Error{Invalid value `#2' for option `within'}%
20073 \fi
20074 \fi
20075 \fi}

```

122 File nicematrix-xetex-bidi.def

```

20076 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix pa
20077 \ExplSyntaxOn
20078 \bidi@patchcmd{\_nicematrix_array:n}{\@tabarray}{%
20079 \bool_if:NF \l_nicematrix_tabular_bool \@RTLtabfalse
20080 \@tabarray
20081 }{}{}
20082 \ExplSyntaxOff
20083

```

123 File ntheorem-xetex-bidi.def

```

20084 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem packag
20085 \gdef\@thm#1#2#3{%
20086 \if@thmmarks
20087 \stepcounter{end\InTheoType ctr}%
20088 \fi
20089 \renewcommand{\InTheoType}{#1}%
20090 \if@thmmarks
20091 \stepcounter{curr#1ctr}%
20092 \setcounter{end#1ctr}{0}%
20093 \fi
20094 \refstepcounter{#2}%
20095 \theorem@prework
20096 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
20097 \ifvmode \advance\thm@topsepadd\partopsep\fi

```




```

20098 \trivlist
20099 \@topsep \theorempreskipamount
20100 \advance\thm@topsepadd % used by \@endparenv
20101 \advance\linewidth -\theorem@indent
20102 \advance\@totalleftmargin \theorem@indent
20103 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20104 \@ifnextchar[\@ythm{#1}{#2}{#3}]{\@xthm{#1}{#2}{#3}}

```

124 File ntheorem-hyper-xetex-bidi.def

```

20105 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-
20106 \gdef\@thm#1#2#3{%
20107 \if@thmmarks
20108 \stepcounter{end\InTheoType ctr}%
20109 \fi
20110 \renewcommand{\InTheoType}{#1}%
20111 \if@thmmarks
20112 \stepcounter{curr#1ctr}%
20113 \setcounter{end#1ctr}{0}%
20114 \fi
20115 \refstepcounter{#2}%
20116 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20117 \ifvmode \advance\thm@topsepadd\partopsep\fi
20118 \trivlist
20119 \@topsep \theorempreskipamount
20120 \@topsepadd \thm@topsepadd % used by \@endparenv
20121 \advance\linewidth -\theorem@indent
20122 \advance\@totalleftmargin \theorem@indent
20123 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20124 \@ifnextchar[\@ythm{#1}{#2}{#3}]{\@xthm{#1}{#2}{#3}}

```

125 File overpic-xetex-bidi.def

```

20125 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package
20126 \renewenvironment{overpic}[2] [] {%
20127 \sbox{z@}{\includegraphics[#1]{#2}}%
20128 \settodepth{\@tempcnta}{\usebox{z@}}%
20129 \settoheight{\@tempcntb}{\usebox{z@}}%
20130 \advance\@tempcntb\@tempcnta%
20131 \settoheight{\@tempcnta}{\usebox{z@}}%
20132 \setlength{\@tempdima}{\unitlength}%
20133 \count@=z@\Gin@gridfalse\setkeys{Gin}{#1}%
20134 %
20135 \OVP@calc%
20136 %
20137 \begin{picture}(\@tempcnta,\@tempcntb)%
20138 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
20139 \ifGin@grid%
20140 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20141 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20142 \fi\fi%
20143 % reset the graphics parameter
20144 \let\Gin@outer@scalex\relax
20145 \let\Gin@outer@scaley\relax

```



```

20146 \let\Gin@angle\relax
20147 \let\Gin@ewidth\Gin@exclamation
20148 \let\Gin@eheight\Gin@ewidth
20149 \def\Gin@scalex{1}
20150 \let\Gin@scaley\Gin@exclamation
20151 }{%
20152 \if@RTL\ifGin@grid%
20153 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20154 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20155 \fi%
20156 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
20157 \end{picture}%
20158 }%

```

126 File pdfbase-xetex-bidi.def

```

20159 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package
20160 \ExplSyntaxOn
20161 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
20162 \cs_set_nopar:Npn\@outputpage{
20163 \int_gincr:N\g_pbs_page_int
20164 \box_if_vertical:cTF{\@outputbox}{
20165 \bool_set_true:N\l_pbs_is_vertical_bool
20166 }{
20167 \bool_set_false:N\l_pbs_is_vertical_bool
20168 }
20169 \hbox_set:Nn\@outputbox{
20170 %begin of page
20171 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
20172 \box_use_drop:N\@outputbox
20173 %end of page
20174 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
20175 }
20176 \bool_if:NT\l_pbs_is_vertical_bool{
20177 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
20178 }
20179 \pbs_outputpage_orig:
20180 }
20181 \ExplSyntaxOff

```

127 File pdfscape-xetex-bidi.def

```

20182 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape pack
20183 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
20184 \if@RTL
20185 \PLS@Rotate{-90}%
20186 \else
20187 \PLS@Rotate{90}%
20188 \fi
20189 }{}{}

```

128 File pdfpages-xetex-bidi.def

```

20190 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages packag

```



```

20191 \renewcommand*\includepdf}[2] [] {%
20192   \beginingroup
20193   \@RTLfalse
20194   \let\AM@threadname\relax
20195   \AM@split@options{pdfpages}{#1}%
20196   \edef\AM@temp{{pdfpages}\the\@temptokena}}%
20197   \expandafter\setkeys\AM@temp
20198   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
20199     \let\AM@currentdocname\relax
20200     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
20201     \def\AM@pagecount{0}%
20202   }{%
20203     \AM@findfile{#2}%
20204     \if\AM@threadname\relax
20205       \def\AM@threadname{\AM@currentdocname}%
20206     \fi
20207   }%
20208   \ifAM@survey
20209     \def\AM@pagestemp{}%
20210     \@tempcnta=0
20211     \def\foo{%
20212       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
20213       {\let\foo\relax}
20214       {\expandafter\ifx\expandafter\\AM@pagestemp\\
20215         \edef\AM@pagestemp{%
20216           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20217         \else
20218           \edef\AM@pagestemp{\AM@pagestemp,%
20219             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20220         \fi
20221         \advance\@tempcnta 1\relax
20222       }%
20223     \foo
20224   }%
20225   \foo
20226   \expandafter\ifx\expandafter\\AM@pagestemp\\
20227     \def\AM@pagestemp{1}%
20228   \fi
20229 \fi
20230 \ifAM@output
20231   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
20232   \AM@output{#1}%
20233 \fi
20234 \AM@CheckAtEnd
20235 \endgroup
20236 \AM@ClearShipoutPicture
20237 }

```

129 File pgfcorescopes.code-xetex-bidi.def

```

20238 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf p
20239 \def\pgfpicture{%
20240   \beginingroup%
20241   \ifmode\else\@RTLfalse\beginL\fi%

```



```

20242 \pgfpicturetrue%
20243 \global\advance\pgf@picture@serial@count by1\relax%
20244 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20245 \let\pgf@nodecallback=\pgfutil@gobble%
20246 \pgf@picmaxx=-16000pt\relax%
20247 \pgf@picminx=16000pt\relax%
20248 \pgf@picmaxy=-16000pt\relax%
20249 \pgf@picminy=16000pt\relax%
20250 \pgf@relevantforpicturesizetrue%
20251 \pgf@resetpathsizes%
20252 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
20253 \def\endpgfpicture{%
20254     \ifpgfrememberpicturepositiononpage%
20255         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20256     \fi%
20257     % ok, now let's position the box
20258     \ifdim\pgf@picmaxx=-16000pt\relax%
20259         % empty picture. make size 0.
20260         \global\pgf@picmaxx=0pt\relax%
20261         \global\pgf@picminx=0pt\relax%
20262         \global\pgf@picmaxy=0pt\relax%
20263         \global\pgf@picminy=0pt\relax%
20264     \fi%
20265     % Shift baseline outside:
20266     \pgf@relevantforpicturesizefalse%
20267     \pgf@process{\pgf@baseline}%
20268     \xdef\pgf@shift@baseline{\the\pgf@y}%
20269     %
20270     \pgf@process{\pgf@trimleft}%
20271     \global\advance\pgf@x by-\pgf@picminx
20272     % prepare \hskip\pgf@trimleft@final.
20273     % note that \pgf@trimleft@final is also queried
20274     % by the pgf image externalization.
20275     \xdef\pgf@trimleft@final{-\the\pgf@x}%
20276     %
20277     \pgf@process{\pgf@trimright}%
20278     \global\advance\pgf@x by-\pgf@picmaxx
20279     % prepare \hskip\pgf@trimright@final.
20280     % note that \pgf@trimright@final is also queried
20281     % by the pgf image externalization.
20282     \xdef\pgf@trimright@final{\the\pgf@x}%
20283     %
20284     \pgf@remember@layerlist@globally
20285     \endgroup%
20286     \hss%
20287     \egroup%
20288     \pgf@restore@layerlist@from@global
20289     \pgf@insertlayers%
20290     \endgroup%
20291     \pgfsys@discardpath%
20292     \endgroup%
20293     \pgfsys@endscope%
20294     \pgfsys@endpicture%
20295     \endgroup%

```



```

20296 \hss
20297 \egroup%
20298 \pgfsys@typesetpicturebox\pgfpic%
20299 \ifmode\else\endL\fi%
20300 \endgroup%
20301 }

```

130 File pgfsys.code-xetex-bidi.def

```

20302 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.
20303 \def\pgfsys@shadingoutsidepgfpicture#1#2{%
20304 \beginL#1\endL%
20305 }
20306
20307

```

131 File picinpar-xetex-bidi.def

```

20308 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar packag
20309 \long\def\@makewincaption#1#2{%
20310 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20311 \ifdim\wd\@tempboxa>\picwd
20312 {\footnotesize{\bf #1:\enspace}{#2\par}}
20313 \else
20314 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20315 \fi}
20316 \def\endwindow{%
20317 \global\tcd=\tcdsav
20318 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20319 \vbadness=10000
20320 \splittopskip=0pt
20321 %
20322 % Typeset the lines above the window
20323 %
20324 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20325 \tcn=\tcd
20326 \loop\advance\tcn -1
20327 \setbox\fslice=\vsplit\holder to\baselineskip
20328 \prune\fslice\linewidth
20329 \topheight=0pt
20330 \ifnum\dp\fslice>\dp\wstrutbox
20331 \advance\topheight-\dp\fslice
20332 \advance\topheight\dp\wstrutbox
20333 \advance\topheight\ilg\fi
20334 \hbox to\linewidth{\box\fslice}
20335 \vskip-\topheight
20336 \ifdim\ht\holder>0pt\repeat
20337 \fi
20338 %
20339 % Now we build the boxes beside the window
20340 %
20341 \global\topheight=\tcl\baselineskip
20342 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20343 \global\topheight=\vpic

```



```

20344 \fi
20345 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20346 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20347 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20348 \tcn=\tcl \na=0 \nb=0
20349 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20350 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
20351 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20352 \ifnum\na=0\ifnum\nb=0
20353     \setbox\waslice=\vbox to\vpic{\vss}
20354     \setbox\wbslice=\vbox to\vpic{\vss}
20355     \bl=1\br=1
20356     \vskip\ilg
20357 \fi\fi
20358 %
20359 % both sides
20360 %
20361 \ifnum\na>0 \ifnum\nb>0
20362 \loop\advance\nb -1
20363 \advance\na -1
20364 \if@RTL%
20365 \setbox\bslice=\vsplit\holder to\baselineskip
20366 \prune\bslice\rtside
20367 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20368 to\rtside{\box\bslice\hfil}}
20369 \setbox\aslice=\vsplit\holder to\baselineskip
20370 \prune\aslice\lftside
20371 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20372 to\lftside{\box\aslice\hfil}}
20373 \else%
20374 \setbox\aslice=\vsplit\holder to\baselineskip
20375 \prune\aslice\lftside
20376 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20377 to\lftside{\box\aslice\hfil}}
20378 \setbox\bslice=\vsplit\holder to\baselineskip
20379 \prune\bslice\rtside
20380 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20381 to\rtside{\box\bslice\hfil}}
20382 \fi%
20383 \ifnum\nb>0\repeat
20384 \fi\fi
20385 %
20386 % only text on the left side
20387 %
20388 \ifnum\na>0
20389     \loop\advance\na -1
20390     \setbox\aslice=\vsplit\holder to\baselineskip
20391     \prune\aslice\lftside
20392     \setbox\waslice=\vbox{\unvbox\waslice\hbox
20393     to\lftside{\box\aslice\hfil}}
20394     \ifdim\ht\holder>0pt\repeat
20395 \fi
20396 %
20397 % only text on the right side

```



```

20398 %
20399 \ifnum\nb>0
20400   \loop\advance\nb -1
20401   \setbox\bslice=\vsplit\holder to\baselineskip
20402   \prune\bslice\rtside
20403   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20404   to\rtside{\box\bslice\hfil}}
20405   \ifdim\ht\holder>0pt\repeat
20406 \fi
20407 %
20408 % fixing the dimensions of the window part
20409 %
20410 \ifnum\bl=0\topheight=\ht\wbslice
20411 \else\ifnum\br=0\topheight=\ht\waslice
20412   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20413   \else\topheight=\ht\wbslice\fi\fi\fi
20414 %
20415 % ship out the window material to the main vertical list
20416 %
20417 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20418 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20419 \fi\fi\fi
20420 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20421 \ifnum\bl>0\box\waslice\hfill\fi%
20422 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
20423 \vfill\unvbox\picbox%
20424 \ifnum\picwd>0\vfill\fi%
20425 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20426 \unvbox>windowbox%
20427 \loop
20428 \setbox\bslice=\vsplit\rawtext to\baselineskip
20429 \prune\bslice\linewidth
20430 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
20431 \unvbox\wbslice
20432 \ifdim\ht\rawtext>0pt
20433 \repeat
20434 }% FINITO

```

132 File plain-xetex-bidi.def

```

20435 \def\TeXXeTOn{\TeXXeTstate=1 }
20436 \def\TeXXeTOff{\TeXXeTstate=0 }
20437 \TeXXeTOn
20438 \def\usebox#1{\leavevmode\copy #1\relax}
20439 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
20440   \let\bidi@o@everypar=\everypar
20441   \newtoks\bidi@n@everypar
20442   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20443   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20444   \let\everypar=\bidi@n@everypar
20445 \def\moreLRE{\bracetext \aftergroup\endL \beginL@RTLfalse}
20446 \def\moreRLE{\bracetext \aftergroup\endR \beginR@RTLtrue}
20447 \protected\def\hboxR{\hbox\bgroup
20448 \everyhbox{%

```



```

20449 \aftergroup\egroup
20450 \everyhbox{}%
20451 \beginR
20452 \@hboxRconstructtrue
20453 \bgroup
20454 \aftergroup\endR
20455 \aftergroup\egroup
20456 }\hbox}
20457 \protected\def\hboxL{\hbox\bgroup
20458 \everyhbox{%
20459 \aftergroup\egroup
20460 \everyhbox{}%
20461 \beginL
20462 \@hboxRconstructfalse
20463 \bgroup
20464 \aftergroup\endL
20465 \aftergroup\egroup
20466 }\hbox}
20467 \protected\def\vboxR{\vbox\bgroup
20468 \everyvbox{%
20469 \aftergroup\egroup
20470 \everyvbox{}%
20471 \@RTLtrue
20472 \bgroup
20473 \aftergroup\egroup
20474 }\vbox}
20475 \protected\def\vboxL{\vbox\bgroup
20476 \everyvbox{%
20477 \aftergroup\egroup
20478 \everyvbox{}%
20479 \@RTLfalse
20480 \bgroup
20481 \aftergroup\egroup
20482 }\vbox}
20483 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20484 \def\endLTR{\par}
20485 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20486 \def\endRTL{\par}
20487 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
20488 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20489 \let\unsetRTL=\setLTR
20490 \let\unsetLTR=\setRTL
20491 \let\LR=\LRE
20492 \let\RL=\RLE
20493 \def\@ensureRTL#1{\ifRTL#1\else\RLE{#1}\fi}
20494 \def\@ensureLTR#1{\ifRTL\LRE{#1}\else#1\fi}
20495 \let\@ensureRL=\@ensureRTL
20496 \let\@ensureLR=\@ensureLTR
20497 \def\@ensure@dir#1{\ifRTL\RLE{#1}\else{#1}\fi}
20498 \let\@ensure@maindir=\@ensure@dir
20499 \def\@RTL{RTL}
20500 \def\@LTR{LTR}
20501 \def\save@dir{\ifRTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20502 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}

```




```

20503 \let\@TeX\TeX
20504 \def\TeX{\@ensure@LTR{\@TeX}}
20505 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
20506 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
20507 \ifvoid\footins\else % footnote info is present
20508 \vskip\skip\footins
20509 \footnoterule
20510 \unvbox\footins\fi
20511 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
20512 \ifvoid\@bidi@copyins@
20513 \else
20514 \vskip\skip\@bidi@copyins@
20515 \unvbox\@bidi@copyins@
20516 \fi
20517 }
20518 \long\def\bidi@reflect@box#1{%
20519 \leavevmode
20520 \setbox\z@\hbox{#1}%
20521 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:gestor
20522 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
20523 }
20524 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20525 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20526 \let\setRL=\setRTL
20527 \let\setLR=\setLTR
20528 \let\unsetRL=\setLTR
20529 \let\bidi@samed@eqno=\eqno
20530 \let\bidi@samed@leqno=\leqno
20531 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
20532 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
20533 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20534 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20535 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

20536 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20537 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20538 \def\endpspicture{%
20539 \ifshowgrid\ifnum\showgrid@>0
20540 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20541 \pst@killglue
20542 % \global\pst@shift=\pst@shift% in fact of the following endgroup
20543 \endgroup
20544 \egroup
20545 \ifdim\wd\pst@hbox=\z@\else
20546 %\@pstrickserr{Extraneous space in the pspicture environment}%
20547 %\Type \space <return> \space to proceed.}%
20548 \fi
20549 \ht\pst@hbox=\pst@dimd
20550 \dp\pst@hbox=-\pst@dimb
20551 \setbox\pst@hbox=\hbox{%
20552 \kern-\pst@dima
20553 % Orig version -----

```



```

20554 %\ifx\pst@tempa\@empty\else
20555 %\advance\pst@dimd-\pst@dimb
20556 %\pst@dimd=\pst@tempa\pst@dimd
20557 %\advance\pst@dimd\pst@dimb
20558 %\lower\pst@dimd
20559 %\fi
20560 %----- end Orig
20561 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
20562 \advance\pst@dimd-\pst@dimb
20563 \pst@dimd=0.5\pst@dimd
20564 \else\pst@dimd-\pst@shift\fi
20565 \advance\pst@dimd\pst@dimb
20566 \lower\pst@dimd
20567 \box\pst@hbox
20568 \kern\pst@dimc}%
20569 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
20570 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20571 \fbboxsep=0pt
20572 \fbbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
20573 \ifmmode\else\endL\fi
20574 \endgroup%
20575 \psset[pstricks]{shift=0}% reset value
20576 }
20577
20578 \bidi@patchcmd\@scalebox{%
20579 \special{x: bscale \pst@tempc \pst@tempd}%
20580 \hbox to \z@\box\pst@hbox\hss}%
20581 \special{x: escale}%
20582 }{%
20583 \if@RTL
20584 \special{x: escale}%
20585 \else
20586 \special{x: bscale \pst@tempc \pst@tempd}%
20587 \fi
20588 \hbox to \z@\box\pst@hbox\hss}%
20589 \if@RTL
20590 \special{x: bscale \pst@tempc \pst@tempd}%
20591 \else
20592 \special{x: escale}%
20593 \fi
20594 }{}{}
20595 \let\ps@@scalebox\@scalebox
20596

```

134 File quotchap-xetex-bidi.def

```

20597 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20598 \renewcommand{\qauthor}[1]{%
20599 \par\smallskip
20600 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
20601 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20602 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20603 {\chapnumfont
20604 \ifnum \c@secnumdepth >\m@ne%

```



```

20605         \if@mainmatter\thechapter%
20606         \fi\fi
20607         \par\nobreak}%
20608         {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20609         \nobreak\chapterheadendvskip}}
20610 \renewcommand*{\@iprintcites}{%
20611   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
20612   \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

20613 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
20614 \renewcommand{\Centering}{%
20615   \ifx\\ \@raggedtwoe@savedcr
20616     \let\\ @centercr
20617   \fi
20618   \let@gnewline\@raggedtwoe@gnewline
20619   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
20620   \@rightskip\CenteringRightskip
20621   \if@RTL\leftskip\else\rightskip\fi\@rightskip
20622   \parfillskip\CenteringParfillskip
20623   \parindent\CenteringParindent
20624   \@raggedtwoe@spaceskiptrue
20625   \@raggedtwoe@everyselectfont
20626 }
20627 \renewcommand{\RaggedLeft}{%
20628   \ifx\\ \@raggedtwoe@savedcr
20629     \let\\ @centercr
20630   \fi
20631   \let@gnewline\@raggedtwoe@gnewline
20632   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
20633   \@rightskip\RaggedLeftRightskip
20634   \if@RTL\leftskip\else\rightskip\fi\@rightskip
20635   \parfillskip\RaggedLeftParfillskip
20636   \parindent\RaggedLeftParindent
20637   \@raggedtwoe@spaceskiptrue
20638   \@raggedtwoe@everyselectfont
20639 }
20640 \renewcommand{\RaggedRight}{%
20641   \ifx\\ \@raggedtwoe@savedcr
20642     \let\\ @centercr
20643   \fi
20644   \let@gnewline\@raggedtwoe@gnewline
20645   \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
20646   \@rightskip\RaggedRightRightskip
20647   \if@RTL\leftskip\else\rightskip\fi\@rightskip
20648   \parfillskip\RaggedRightParfillskip
20649   \parindent\RaggedRightParindent
20650   \@raggedtwoe@spaceskiptrue
20651   \@raggedtwoe@everyselectfont
20652 }
20653 \renewcommand{\justifying}{%
20654   \let\\ \@raggedtwoe@savedcr
20655   \let@gnewline\@raggedtwoe@saved@gnewline

```



```

20656 \if@RTL\rightrightskip\else\leftskip\fi\z@
20657 \@rightskip\z@
20658 \if@RTL\leftskip\else\rightrightskip\fi\@rightskip
20659 \parfillskip\JustifyingParfillskip
20660 \parindent\JustifyingParindent
20661 \@raggedtwo@spaceskipfalse
20662 \@raggedtwo@everyselectfont
20663 }
20664 \def\@raggedtwo@raggedrightboxes@opt{%
20665 \renewcommand{\@arrayparboxrestore}{%
20666 \let\if@nobreak\iffalse
20667 \let\if@noskipsec\iffalse
20668 \let\par\@par
20669 \let\-\@dischph
20670 \let'\@acci\let'\@accii\let=\@acciii
20671 \parskip\z@skip
20672 \everypar{}%
20673 \linewidth\hsize
20674 \@totalleftmargin\z@
20675 \if@RTL
20676 \RaggedLeft
20677 \else
20678 \RaggedRight
20679 \fi
20680 \lineskip\normallineskip
20681 \baselineskip\normalbaselineskip
20682 \sloppy}%
20683 \let\@raggedtwo@raggedrightboxes@opt\relax
20684 }
20685 \def\@raggedtwo@document@opt{%
20686 \AtBeginDocument{\@raggedtwo@abdhook}%
20687 \@raggedtwo@raggedrightboxes@opt
20688 \@raggedtwo@footmisctrue
20689 \let\@raggedtwo@document@opt\relax
20690 }
20691 \def\@raggedtwo@abdhook{%
20692 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20693 right to left documents and '\string\RaggedRight' for left
20694 to right documents}%
20695 \if@RTL
20696 \RaggedLeft
20697 \else
20698 \RaggedRight
20699 \fi
20700 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
20701 \let\@raggedtwo@abdhook\relax
20702 }
20703 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
20704 \@raggedtwo@raggedrightboxes@opt
20705 }{}
20706 \@ifpackagewith{ragged2e}{document}{%
20707 \@raggedtwo@document@opt
20708 }{}
20709 \let\origin@RaggedLeft=\RaggedLeft

```



```

20710 \let\origin@RaggedRight=\RaggedRight
20711 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20712 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

20713 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class
20714 \renewenvironment{theindex}{%
20715   \if@twocolumn
20716     \@restonecolfalse
20717   \else
20718     \@restonecoltrue
20719   \fi
20720   \columnseprule \z@
20721   \columnsep 35\p@
20722   \twocolumn[\@makeschapterhead{\indexname}]%
20723   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20724   \thispagestyle{plain}\parindent\z@
20725   \parskip\z@ \@plus .3\p@\relax
20726   \let\item\@idxitem
20727 }{%
20728   \if@restonecol\onecolumn\else\clearpage\fi}
20729 \renewcommand*{\head@style}{%
20730   \interlinepenalty \@M
20731   \hyphenpenalty=\@M \exhyphenpenalty=\@M
20732   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
20733 \if@titlepage
20734   \renewenvironment{abstract}{%
20735     \titlepage
20736     \null\vfil
20737     \section*{\SectFont\abstractname}%
20738     \noindent\ignorespaces}
20739   {\par\vfil\null\endtitlepage}
20740 \else
20741   \renewenvironment{abstract}{%
20742     \if@twocolumn
20743       \section*{\abstractname}%
20744     \else
20745       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20746       \section*{\small\SectFont\abstractname}%
20747       \noindent\ignorespaces
20748     \fi}
20749   {\if@twocolumn\else\par\egroup\fi}
20750 \fi
20751 \renewcommand*{\@regtocline[3]}{%
20752   \ifnum #1>\c@tocdepth
20753   \else
20754     \vskip\z@\@plus.2\p@
20755     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20756     \if@RTL\rightskip\else\leftskip\fi\unitindent
20757     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20758     \parfillskip\z@
20759     \@tempdima\unitindent
20760     \parindent\z@

```



```

20761 \leavevmode
20762 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20763 \hskip 1em \nobreak{\slshape #3}\par
20764 }%
20765 \fi}
20766 \if@oldtoc
20767 \renewcommand*\l@part[2]{%
20768 \ifnum \c@tocdepth >-2\relax
20769 \addpenalty{-\@highpenalty}%
20770 \addvspace{2.25em \@plus\p@}%
20771 \begingroup
20772 \setlength\@tempdima{3em}%
20773 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20774 \parfillskip -\@pnumwidth
20775 {\leavevmode
20776 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20777 \nobreak
20778 \global\@nobreaktrue
20779 \everypar{\global\@nobreakfalse\everypar{}}%
20780 \endgroup
20781 \fi}
20782 \else
20783 \renewcommand*\l@part{%
20784 \ifnum \c@tocdepth >-2\relax
20785 \addpenalty{-\@highpenalty}%
20786 \addvspace{2.25em \@plus\p@}%
20787 \@regtocline{0}%
20788 \fi}
20789 \fi
20790 \if@oldtoc
20791 \renewcommand*\l@chapter[2]{%
20792 \addpenalty{-\@highpenalty}%
20793 \vskip 1.0em \@plus\p@
20794 \setlength\@tempdima{1.5em}%
20795 \begingroup
20796 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20797 \parfillskip -\@pnumwidth
20798 \leavevmode \bfseries
20799 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20800 \hskip -\if@RTL\rightskip\else\leftskip\fi
20801 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20802 \penalty\@highpenalty
20803 \endgroup}
20804 \else
20805 \renewcommand*\l@chapter{\@regtocline{0}}
20806 \fi
20807 \renewcommand*\left@footnoterule{%
20808 \kern-3\p@
20809 \kern.5\baselineskip
20810 \hrule\@width\unitindent
20811 \kern.4\baselineskip
20812 }
20813 \renewcommand*\right@footnoterule{%
20814 \kern-3\p@

```



```

20815 \kern.5\baselineskip
20816 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20817 \kern.4\baselineskip}
20818 \renewenvironment{thebibliography}[1]
20819   {\chapter*{\bibname}%
20820    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20821    \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
20822    \bidi@thebibliography@font@hook%
20823    \list{\@biblabel{\@arabic\c@enumiv}}%
20824      {\settowidth\labelwidth{\@biblabel{#1}}%
20825       \leftmargin\labelwidth
20826       \advance\leftmargin\labelsep
20827       \@openbib@code
20828       \usecounter{enumiv}%
20829       \let\p@enumiv\@empty
20830       \renewcommand*{theenumiv{\@arabic\c@enumiv}}%
20831       \sloppy\clubpenalty4000\widowpenalty4000%
20832       \sfcode`..\@m}
20833   {\def\@noitemerr
20834    {\@latex@warning{Empty `thebibliography' environment}}%
20835    \endlist}
20836 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20837 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
20838 \renewcommand*\thesubsubsection{\thesubsubsection\@SepMark\@arabic\csubsubsection}
20839 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
20840 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
20841 \renewcommand*\theequation{%
20842   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20843 \renewcommand*\thefigure{%
20844   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
20845 \renewcommand*\thetable{%
20846   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
20847 \if@titlepage
20848 \renewcommand*\TitleFont{\rmfamily}
20849 \renewcommand*\maketitle{%
20850   \begin{titlepage}%
20851     \let\footnotesize\small
20852     \let\right@footnoterule\relax
20853     \let\left@footnoterule\relax
20854     \let\textwidth@footnoterule\relax
20855     \let \footnote \thanks
20856     \long\def\@makefntext##1{\parindent\z@
20857       \def\labelitemi{\textendash}\@revlabeltrue
20858       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20859     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20860     \if@compatibility\setcounter{page}{0}\fi
20861     \null\vfil
20862     \vskip 60\p@
20863     \begin{center}%
20864       \TitleFont
20865       {\LARGE \def\\{\penalty -\@M}
20866        \if@allcaps
20867          \expandafter\uc@nothanks\@title\thanks\relax
20868        \else

```



```

20869         \@title
20870         \fi\par}%
20871     \vskip 3em%
20872     {\large
20873         \lineskip .75em \parindent\z@
20874         \begin{tabular}[t]{c}%
20875             \if@allcaps
20876                 \expandafter\uc@authornothanks\@author\and\relax
20877             \else
20878                 \@author
20879             \fi
20880         \end{tabular}\par}%
20881     \vskip 1.5em%
20882     {\large
20883         \if@allcaps
20884             \uppercase\expandafter{\@date}%
20885         \else
20886             \@date
20887         \fi\par}%
20888     \end{center}\par
20889     \@thanks
20890     \vfil\null
20891 \end{titlepage}%
20892 \setcounter{footnote}{0}%
20893 \global\let\thanks\relax
20894 \global\let\maketitle\relax
20895 \global\let\@thanks\@empty
20896 \global\let\@author\@empty
20897 \global\let\@title\@empty
20898 \global\let\@date\@empty
20899 \global\let\title\relax
20900 \global\let\author\relax
20901 \global\let\date\relax
20902 \global\let\and\relax
20903 }
20904 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20905 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20906     \futurelet\@tempa\uc@ax}
20907 \def\uc@ax{%
20908     \ifx\@tempa\relax
20909     \else
20910         \ \andname \ \ \expandafter\uc@authornothanks
20911     \fi}
20912 \def\uc@tx{\ifx\@tempa\relax
20913     \else \expandafter\uc@ty \fi}
20914 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20915 \else
20916 \renewcommand*\maketitle{\par
20917     \begingroup
20918     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20919     \def\@makefnmark{\rlap{%
20920         \@textsuperscript{\normalfont\@thefnmark}}}%
20921     \long\def\@makefntext{\@xmakefntext{%
20922         \@textsuperscript{\normalfont\@thefnmark}}}%

```




```

20923 \if@twocolumn
20924 \ifnum \col@number=\@ne
20925 \maketitle
20926 \else
20927 \twocolumn[\maketitle]%
20928 \fi
20929 \else
20930 \newpage
20931 \global\@topnum\z@
20932 \maketitle
20933 \fi
20934 \thispagestyle{plain}\@thanks
20935 \endgroup
20936 \setcounter{footnote}{0}%
20937 \global\let\thanks\relax
20938 \global\let\maketitle\relax
20939 \global\let\@maketitle\relax
20940 \global\let\@thanks\@empty
20941 \global\let\@author\@empty
20942 \global\let\@title\@empty
20943 \global\let\@date\@empty
20944 \global\let\title\relax
20945 \global\let\author\relax
20946 \global\let\date\relax
20947 \global\let\and\relax
20948 }
20949 \def\@maketitle{%
20950 \newpage
20951 \null
20952 \vskip 2em%
20953 \begin{center}%
20954 \let \footnote \thanks
20955 {\LARGE \TitleFont \@title \par}%
20956 \vskip 1.5em%
20957 {\large \TitleFont
20958 \lineskip .5em%
20959 \begin{tabular}[t]{c}%
20960 \@author
20961 \end{tabular}\par}%
20962 \vskip 1em%
20963 {\large \TitleFont \@date}%
20964 \end{center}%
20965 \par
20966 \vskip 1.5em}
20967 \fi

```

137 File rapport3-xetex-bidi.def

```

20968 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class
20969 \renewenvironment{theindex}{%
20970 \if@twocolumn
20971 \@restonecolfalse
20972 \else
20973 \@restonecoltrue

```



```

20974 \fi
20975 \columnseprule \z@
20976 \columnsep 35\p@
20977 \twocolumn[\@makeschapterhead{\indexname}]%
20978 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20979 \thispagestyle{plain}\parindent\z@
20980 \parskip\z@ \@plus .3\p@\relax
20981 \let\item\@idxitem
20982 }{%
20983 \if@restonecol\onecolumn\else\clearpage\fi}
20984 \if@titlepage
20985 \renewcommand*{\TitleFont}{\rmfamily}
20986 \renewcommand*\maketitle{%
20987 \begin{titlepage}%
20988 \let\footnotesize\small
20989 \let\right@footnoterule\relax
20990 \let\left@footnoterule\relax
20991 \let\textwidth@footnoterule\relax
20992 \let \footnote \thanks
20993 \let \LTRfootnote \LTRthanks
20994 \let \RTLfootnote \RTLthanks
20995 \long\def\@makefnmark##1{\parindent\z@
20996 \def\labelitemi{\textendash}\@revlabeltrue
20997 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20998 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20999 \ifcompatibility\setcounter{page}{0}\fi
21000 \null\vfil
21001 \vskip 60\p@
21002 \begin{center}%
21003 \TitleFont
21004 {\LARGE \def\{\penalty -\@M}
21005 \if@allcaps
21006 \expandafter\uc@nothanks\@title\thanks\relax
21007 \else
21008 \@title
21009 \fi\par}%
21010 \vskip 3em%
21011 {\large
21012 \lineskip .75em \parindent\z@
21013 \begin{tabular}[t]{c}%
21014 \if@allcaps
21015 \expandafter\uc@authornothanks\@author\and\relax
21016 \else
21017 \@author
21018 \fi
21019 \end{tabular}\par}%
21020 \vskip 1.5em%
21021 {\large
21022 \if@allcaps
21023 \uppercase\expandafter{\@date}%
21024 \else
21025 \@date
21026 \fi\par}%
21027 \end{center}\par

```



```

21028 \thanks
21029 \vfil\null
21030 \end{titlepage}%
21031 \setcounter{footnote}{0}%
21032 \global\let\thanks\relax
21033 \global\let\LTRthanks\relax
21034 \global\let\RTLthanks\relax
21035 \global\let\maketitle\relax
21036 \global\let\@thanks\@empty
21037 \global\let\@author\@empty
21038 \global\let\@title\@empty
21039 \global\let\@date\@empty
21040 \global\let\title\relax
21041 \global\let\author\relax
21042 \global\let\date\relax
21043 \global\let\and\relax
21044 }
21045 \def\@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\@uc@tx}
21046 \def\@authornothanks#1\and{\@nothanks#1\thanks\relax
21047 \futurelet\@tempa\@uc@ax}
21048 \def\@uc@ax{%
21049 \ifx\@tempa\relax
21050 \else
21051 \ \andname \ \expandafter\@authornothanks
21052 \fi}
21053 \def\@uc@tx{\ifx\@tempa\relax
21054 \else \expandafter\@uc@ty \fi}
21055 \def\@uc@ty#1{\thanks{#1}\@nothanks}
21056 \else
21057 \renewcommand*\maketitle{\par
21058 \begingroup
21059 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21060 \def\@makefnmark{\rlap{%
21061 \textsuperscript{\normalfont\@thefnmark}}}%
21062 \long\def\@makefntext{\@xmakefntext{%
21063 \textsuperscript{\normalfont\@thefnmark}}}%
21064 \if@twocolumn
21065 \ifnum \col@number=\@ne
21066 \maketitle
21067 \else
21068 \twocolumn[\maketitle]%
21069 \fi
21070 \else
21071 \newpage
21072 \global\@topnum\z@
21073 \maketitle
21074 \fi
21075 \thispagestyle{plain}\@thanks
21076 \endgroup
21077 \setcounter{footnote}{0}%
21078 \global\let\thanks\relax
21079 \global\let\LTRthanks\relax
21080 \global\let\RTLthanks\relax
21081 \global\let\maketitle\relax

```



```

21082 \global\let\@maketitle\relax
21083 \global\let\@thanks\@empty
21084 \global\let\@author\@empty
21085 \global\let\@title\@empty
21086 \global\let\@date\@empty
21087 \global\let\title\relax
21088 \global\let\author\relax
21089 \global\let\date\relax
21090 \global\let\and\relax
21091 }
21092 \def\@maketitle{%
21093 \newpage
21094 \null
21095 \vskip 2em%
21096 \if@titlecentered
21097 \begin{center}%
21098 \let \footnote \thanks
21099 \let \LTRfootnote \LTRthanks
21100 \let \RTLfootnote \RTLthanks
21101 {\LARGE \TitleFont \@title \par}%
21102 \vskip 1.5em%
21103 {\large \TitleFont
21104 \lineskip .5em%
21105 \begin{tabular}[t]{c}%
21106 \@author
21107 \end{tabular}\par}%
21108 \vskip 1em%
21109 {\large \TitleFont \@date}%
21110 \end{center}%
21111 \else
21112 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
21113 {\large \TitleFont \lineskip .5em \tabcolsep\z@
21114 \def\and{%% \begin{tabular} has already started
21115 \end{tabular}\hskip 1em plus .17fil
21116 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tab
21117 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
21118 \vskip 1em {\large \TitleFont \@date}
21119 \fi
21120 \par
21121 \vskip 1.5em}
21122 \fi
21123 \renewcommand*\@regtocline[3]{%
21124 \ifnum #1>\c@tocdepth
21125 \else
21126 \vskip\z@\@plus.2\p@
21127 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
21128 \ifRTL\rightskip\else\leftskip\fi\unitindent
21129 \ifRTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
21130 \parfillskip\z@
21131 \@tempdima\unitindent
21132 \parindent\z@
21133 \leavevmode
21134 \hbox{} \hskip -\ifRTL\rightskip\else\leftskip\fi\relax#2\nobreak
21135 \hskip 1em \nobreak{\slshape #3}\par

```



```

21136     }%
21137   \fi}
21138 \if@oldtoc
21139 \renewcommand*\l@part[2]{%
21140   \ifnum \c@tocdepth >-2\relax
21141     \addpenalty{-\@highpenalty}%
21142     \addvspace{2.25em \@plus\p@}%
21143     \begingroup
21144       \setlength\@tempdima{3em}%
21145       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21146       \parfillskip -\@pnumwidth
21147       {\leavevmode
21148         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21149         \nobreak
21150         \global\@nobreaktrue
21151         \everypar{\global\@nobreakfalse\everypar{}}%
21152     \endgroup
21153   \fi}
21154 \else
21155   \renewcommand*\l@part{%
21156     \ifnum \c@tocdepth >-2\relax
21157       \addpenalty{-\@highpenalty}%
21158       \addvspace{2.25em \@plus \p@}%
21159       \@regtocline{0}%
21160     \fi}
21161 \fi
21162 \if@oldtoc
21163 \renewcommand*\l@chapter[2]{%
21164   \addpenalty{-\@highpenalty}%
21165   \vskip 1.0em \@plus\p@
21166   \setlength\@tempdima{1.5em}%
21167   \begingroup
21168     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21169     \parfillskip -\@pnumwidth
21170     \leavevmode \bfseries
21171     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21172     \hskip -\if@RTL\rightskip\else\leftskip\fi
21173     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21174     \penalty\@highpenalty
21175   \endgroup}
21176 \else
21177   \renewcommand*\l@chapter{\@regtocline{0}}
21178 \fi
21179 \renewcommand*\head@style{%
21180   \interlinepenalty \@M
21181   \hyphenpenalty=\@M \exhyphenpenalty=\@M
21182   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
21183 \if@titlepage
21184 \renewenvironment{abstract}{%
21185   \titlepage
21186   \null\vfil
21187   \section*\SectFont\abstractname}%
21188   \noindent\ignorespaces}
21189   {\par\vfil\null\endtitlepage}

```



```

21190 \else
21191   \renewenvironment{abstract}{%
21192     \if@twocolumn
21193       \section*{\abstractname}%
21194     \else
21195       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
21196       \section*{\small\SectFont\abstractname}%
21197       \noindent\ignorespaces
21198     \fi}
21199   {\if@twocolumn\else\par\egroup\fi}
21200 \fi
21201 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
21202 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
21203 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
21204 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21205 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
21206 \renewcommand*\thefigure{%
21207   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
21208 \renewcommand*\thetable{%
21209   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
21210 \renewcommand*\theequation{%
21211   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
21212 \renewenvironment{thebibliography}[1]
21213   {\chapter*{\bibname}%
21214    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21215    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21216    \bidi\@thebibliography\font\hook%
21217    \list{\@biblabel{\@arabic\c@enumiv}}%
21218      {\settowidth\labelwidth{\@biblabel{#1}}%
21219       \leftmargin\labelwidth
21220       \advance\leftmargin\labelsep
21221       \@openbib@code
21222       \usecounter{enumiv}%
21223       \let\p@enumiv\@empty
21224       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
21225    \sloppy\clubpenalty4000\widowpenalty4000%
21226    \sfcode`..\@m}
21227   {\def\@noitemerr
21228     {\@latex@warning{Empty `thebibliography' environment}}%
21229    \endlist}
21230 \renewcommand*\left@footnoterule{%
21231   \kern-3\p@
21232   \kern.5\baselineskip
21233   \hrule\@width\unitindent
21234   \kern.4\baselineskip
21235 }
21236 \renewcommand*\right@footnoterule{%
21237   \kern-3\p@
21238   \kern.5\baselineskip
21239   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21240   \kern.4\baselineskip}
21241 \renewcommand*\head@style{%
21242   \interlinepenalty \@M
21243   \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```
21244 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
```

138 File refrep-xetex-bidi.def

```
21245 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for
21246 \if@titlepage
21247 \renewcommand\maketitle{\begin{titlepage}%
21248 \let\footnotesize\small
21249 \let\right@footnoterule\relax
21250 \let\left@footnoterule\relax
21251 \let\textwidth@footnoterule\relax
21252 \let\footnote\thanks
21253 \let\LTRfootnote\LTRthanks
21254 \let\RTLfootnote\RTLthanks
21255 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21256 \def\@makefnmark%
21257     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21258 \long\def\@makefnmark##1{%
21259     \setpar{\@par
21260         \@tempdima = \hsize
21261         \advance\@tempdima -1em
21262         \parshape \@ne 1em \@tempdima}%
21263     \par\parindent 1em \noindent
21264     \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21265 \null\vfil
21266 \vskip 60\p@
21267 \begin{center}%
21268     {\LARGE \@title \par}%
21269     \vskip 3em%
21270     {\large
21271     \lineskip .75em%
21272     \begin{tabular}[t]{c}%
21273         \@author
21274     \end{tabular}\par}%
21275     \vskip 1.5em%
21276     {\large \@date \par}%           % Set date in \large size.
21277 \end{center}\par
21278 \@thanks
21279 \vfil\null
21280 \end{titlepage}%
21281 \setcounter{footnote}{0}%
21282 \global\let\thanks\relax
21283 \global\let\LTRthanks\relax
21284 \global\let\RTLthanks\relax
21285 \global\let\maketitle\relax
21286 \global\let\@thanks\@empty
21287 \global\let\@author\@empty
21288 \global\let\@date\@empty
21289 \global\let\@title\@empty
21290 \global\let\title\relax
21291 \global\let\author\relax
21292 \global\let\date\relax
21293 \global\let\and\relax
21294 }
```



```

21295 \else
21296   \renewcommand\maketitle{\par
21297     \begingroup
21298       \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21299       \def\@makefnmark%
21300         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21301       \long\def\@makefntext##1{%
21302         \@setpar{\@@par
21303           \@tempdima = \hspace
21304           \advance\@tempdima -1em
21305           \parshape \@ne 1em \@tempdima}%
21306         \par\parindent 1em \noindent
21307         \hbext@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21308       \if@twocolumn
21309         \ifnum \col@number=\@ne
21310           \@maketitle
21311         \else
21312           \twocolumn[\@maketitle]%
21313         \fi
21314       \else
21315         \newpage
21316         \global\@topnum\z@   % Prevents figures from going at top of page.
21317         \@maketitle
21318       \fi
21319       \thispagestyle{empty}\@thanks
21320     \endgroup
21321     \setcounter{footnote}{0}%
21322     \global\let\thanks\relax
21323     \global\let\LTRthanks\relax
21324     \global\let\RTLthanks\relax
21325     \global\let\maketitle\relax
21326     \global\let\@maketitle\relax
21327     \global\let\@thanks\@empty
21328     \global\let\@author\@empty
21329     \global\let\@date\@empty
21330     \global\let\@title\@empty
21331     \global\let\title\relax
21332     \global\let\author\relax
21333     \global\let\date\relax
21334     \global\let\and\relax
21335 }
21336 \def\@maketitle{%
21337   \newpage
21338   \null
21339   \longthickrule\vskip1.5em%
21340   \let \footnote \thanks
21341   \let \LTRfootnote \LTRthanks
21342   \let \RTLfootnote \RTLthanks
21343   {\secshape \parskip\z@ \parindent\z@
21344   \Large\bfseries \@title \par}%
21345   \vskip1.5em\longthickrule\vskip1.5em%
21346   {\normalsize
21347     \lineskip .5em%
21348     \begin{flushright}%

```




```

21349     {\slshape \@author \par}
21350     \vskip 1em%
21351     {\@date}%
21352     \end{flushright} \par}%
21353     \vskip 1.5em}
21354 \fi
21355 \renewcommand* \l@part [2] {%
21356     \ifnum \c@tocdepth > -2 \relax
21357     \addpenalty{-\@highpenalty}%
21358     \addvspace{2.25em \@plus \p@}%
21359     \begingroup
21360     \parindent \z@ \if@RTL \leftskip \else \rightskip \fi \@pnumwidth
21361     \parfillskip -\@pnumwidth
21362     {\leavevmode
21363     \large \bfseries #1 \hfil \hbox to \@pnumwidth{\hss #2}} \par
21364     \nobreak
21365     \global \@nobreaktrue
21366     \everypar{\global \@nobreakfalse \everypar{}}%
21367     \endgroup
21368     \fi}
21369 \renewcommand* \l@chapter [2] {%
21370     \ifnum \c@tocdepth > \m@ne
21371     \addpenalty{-\@highpenalty}%
21372     \vskip 1.0em \@plus \p@
21373     \setlength\@tempdima{1.5em}%
21374     \begingroup
21375     \parindent \z@ \if@RTL \leftskip \else \rightskip \fi \@pnumwidth
21376     \parfillskip -\@pnumwidth
21377     \leavevmode \bfseries
21378     \advance \if@RTL \rightskip \else \leftskip \fi \@tempdima
21379     \hskip -\if@RTL \rightskip \else \leftskip \fi
21380     #1 \nobreak \hfil \nobreak \hb@xt@ \@pnumwidth{\hss #2} \par
21381     \penalty \@highpenalty
21382     \endgroup
21383     \fi}
21384 \renewcommand \secshape {\if@RTL \rightskip \else \leftskip \fi = -\leftmarginwidth%
21385     \if@RTL \leftskip \else \rightskip \fi = \flushglue%
21386     \hyphenpenalty = 2000}
21387 \renewcommand \left@footnoterule {%
21388     \kern -3 \p@
21389     \hrule \@width .4 \columnwidth
21390     \kern 2.6 \p@}
21391 \renewcommand \right@footnoterule {%
21392     \kern -3 \p@
21393     \hbox to \columnwidth{\hskip .6 \columnwidth \hrulefill }
21394     \kern 2.6 \p@}
21395 \renewcommand \theequation
21396 {\ifnum \c@chapter > \z@ \thechapter \@SepMark \fi \@arabic \c@equation}
21397 \renewcommand \thefigure
21398 {\ifnum \c@chapter > \z@ \thechapter \@SepMark \fi \@arabic \c@figure}
21399 \renewcommand \thetable %
21400 {\ifnum \c@chapter > \z@ \thechapter \@SepMark \fi \@arabic \c@table}
21401 \renewcommand \thesection {\thechapter \@SepMark \@arabic \c@section}
21402 \renewcommand \thesubsection {\thesection \@SepMark \@arabic \c@subsection}

```



```

21403 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21404 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21405 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21406 \renewenvironment{thebibliography}[1]
21407     {\chapter*{\bibname
21408         \@mkboth{\bibname}{\bibname}}%
21409         \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21410         \bidi@thebibliography@font@hook%
21411         \list{\@biblabel{\@arabic\c@enumiv}}%
21412             {\settowidth\labelwidth{\@biblabel{#1}}%
21413              \leftmargin\labelwidth
21414              \advance\leftmargin\labelsep
21415              \@openbib@code
21416              \usecounter{enumiv}%
21417              \let\p@enumiv\@empty
21418              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21419              \sloppy
21420              \clubpenalty4000
21421              \@clubpenalty \clubpenalty
21422              \widowpenalty4000%
21423         \sfcode`\.=\@m}
21424     {\def\@noitemerr
21425         {\@latex@warning{Empty `thebibliography' environment}}%
21426         \endlist}

```

139 File report-xetex-bidi.def

```

21427 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report c
21428 \renewenvironment{theindex}
21429     {\if@twocolumn
21430         \@restonecolfalse
21431         \else
21432             \@restonecoltrue
21433             \fi
21434         \columnseprule \z@
21435         \columnsep 35\p@
21436         \twocolumn[\@makeschapterhead{\indexname}]%
21437         \@mkboth{\MakeUppercase\indexname}%
21438                 {\MakeUppercase\indexname}%
21439         \thispagestyle{plain}\parindent\z@
21440         \parskip\z@ \@plus .3\p@\relax
21441         \let\item\@idxitem}
21442     {\if@restonecol\onecolumn\else\clearpage\fi}
21443 \if@titlepage
21444 \renewcommand\maketitle{\begin{titlepage}%
21445 \let\footnotesize\small
21446 \let\right@footnoterule\relax
21447 \let\left@footnoterule\relax
21448 \let\textwidth@footnoterule\relax
21449 \let \footnote \thanks
21450 \let \LTRfootnote \LTRthanks
21451 \let \RTLfootnote \RTLthanks
21452 \null\vfil
21453 \vskip 60\p@

```



```

21454 \begin{center}%
21455   {\LARGE \@title \par}%
21456   \vskip 3em%
21457   {\large
21458     \lineskip .75em%
21459     \begin{tabular}[t]{c}%
21460       \@author
21461     \end{tabular}\par}%
21462     \vskip 1.5em%
21463     {\large \@date \par}%           % Set date in \large size.
21464 \end{center}\par
21465 \@thanks
21466 \vfil\null
21467 \end{titlepage}%
21468 \setcounter{footnote}{0}%
21469 \global\let\thanks\relax
21470 \global\let\LTRthanks\relax
21471 \global\let\RTLthanks\relax
21472 \global\let\maketitle\relax
21473 \global\let\@thanks\@empty
21474 \global\let\@author\@empty
21475 \global\let\@date\@empty
21476 \global\let\@title\@empty
21477 \global\let\title\relax
21478 \global\let\author\relax
21479 \global\let\date\relax
21480 \global\let\and\relax
21481 }
21482 \else
21483 \renewcommand\maketitle{\par
21484   \begingroup
21485     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21486     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21487     \long\def\@makefntext##1{\parindent 1em\noindent
21488       \hb@xt@1.8em{%
21489         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
21490     \if@twocolumn
21491       \ifnum \col@number=\@ne
21492         \@maketitle
21493       \else
21494         \twocolumn[\@maketitle]%
21495       \fi
21496     \else
21497       \newpage
21498       \global\@topnum\z@   % Prevents figures from going at top of page.
21499       \@maketitle
21500     \fi
21501     \thispagestyle{plain}\@thanks
21502   \endgroup
21503   \setcounter{footnote}{0}%
21504   \global\let\thanks\relax
21505   \global\let\LTRthanks\relax
21506   \global\let\RTLthanks\relax
21507   \global\let\maketitle\relax

```



```

21508 \global\let\@maketitle\relax
21509 \global\let\@thanks\@empty
21510 \global\let\@author\@empty
21511 \global\let\@date\@empty
21512 \global\let\@title\@empty
21513 \global\let\title\relax
21514 \global\let\author\relax
21515 \global\let\date\relax
21516 \global\let\and\relax
21517 }
21518 \def\@maketitle{%
21519 \newpage
21520 \null
21521 \vskip 2em%
21522 \begin{center}%
21523 \let \footnote \thanks
21524 \let \LTRfootnote \LTRthanks
21525 \let \RTLfootnote \RTLthanks
21526 {\LARGE \@title \par}%
21527 \vskip 1.5em%
21528 {\large
21529 \lineskip .5em%
21530 \begin{tabular}[t]{c}%
21531 \@author
21532 \end{tabular}\par}%
21533 \vskip 1em%
21534 {\large \@date}%
21535 \end{center}%
21536 \par
21537 \vskip 1.5em}
21538 \fi
21539 \renewcommand*\l@part[2]{%
21540 \ifnum \c@tocdepth >-2\relax
21541 \addpenalty{-\@highpenalty}%
21542 \addvspace{2.25em \@plus\p@}%
21543 \setlength\@tempdima{3em}%
21544 \begingroup
21545 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21546 \parfillskip -\@pnumwidth
21547 {\leavevmode
21548 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21549 \nobreak
21550 \global\@nobreaktrue
21551 \everypar{\global\@nobreakfalse\everypar{}}%
21552 \endgroup
21553 \fi}
21554 \renewcommand*\l@chapter[2]{%
21555 \ifnum \c@tocdepth >\m@ne
21556 \addpenalty{-\@highpenalty}%
21557 \vskip 1.0em \@plus\p@
21558 \setlength\@tempdima{1.5em}%
21559 \begingroup
21560 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21561 \parfillskip -\@pnumwidth

```



```

21562     \leavevmode \bfseries
21563     \advance\if@RTL\rightskip\else\leftskip\fi@tempdima
21564     \hskip -\if@RTL\rightskip\else\leftskip\fi
21565     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21566     \penalty\@highpenalty
21567   \endgroup
21568   \fi}
21569 \renewcommand\left@footnoterule{%
21570   \kern-3\p@
21571   \hrule\@width.4\columnwidth
21572   \kern2.6\p@}
21573 \renewcommand\right@footnoterule{%
21574   \kern-3\p@
21575   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21576   \kern2.6\p@}
21577 \renewcommand\theequation
21578   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21579 \renewcommand \thefigure
21580   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21581 \renewcommand \thetable
21582   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21583 \renewcommand \thechapter {\@arabic\c@chapter}
21584 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21585 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21586 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
21587 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21588 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21589 \def\@makechapterhead#1{%
21590   \vspace*{50\p@}%
21591   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21592     \ifnum \c@secnumdepth >\m@ne
21593       \huge\bfseries \@chapapp\space \thechapter
21594       \par\nobreak
21595       \vskip 20\p@
21596     \fi
21597     \interlinepenalty\@M
21598     \Huge \bfseries #1\par\nobreak
21599     \vskip 40\p@
21600   }}
21601 \def\@makeschapterhead#1{%
21602   \vspace*{50\p@}%
21603   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21604     \normalfont
21605     \interlinepenalty\@M
21606     \Huge \bfseries #1\par\nobreak
21607     \vskip 40\p@
21608   }}
21609 \renewenvironment{thebibliography}[1]
21610   {\chapter*{\bibname}%
21611     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21612     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21613     \bidi@thebibliography@font@hook%
21614     \list{\@biblabel{\@arabic\c@enumiv}}%
21615     {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

21616         \leftmargin\labelwidth
21617         \advance\leftmargin\labelsep
21618         \@openbib@code
21619         \usecounter{enumiv}%
21620         \let\p@enumiv\@empty
21621         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21622     \sloppy
21623     \clubpenalty4000
21624     \@clubpenalty \clubpenalty
21625     \widowpenalty4000%
21626     \sfcode`. \m}
21627 {\def\@noitemerr
21628   {\@latex@warning{Empty `thebibliography' environment}}%
21629     \endlist}

```

140 File rotating-xetex-bidi.def

```

21630 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating packag
21631 \def\end@rotfloat{%
21632   \end{minipage}\end{lrbox}%
21633   \stepcounter{r@tfl@t}%
21634   \rot@label{RF\ther@tfl@t}%
21635   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21636   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21637   \rot@mess@toks\expandafter{\@tempa}
21638   \wd\rot@float@box\z@
21639   \ht\rot@float@box\z@
21640   \dp\rot@float@box\z@
21641   \vboxL to \textheight{%
21642     \setkeys{Grot}{units=360}%
21643     \if@rot@twoside
21644     \else
21645       \let\R@@page\rot@LR
21646     \fi
21647     \ifthenelse{\isodd{\R@@page}}{%
21648       \if@rot@twoside
21649         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21650       \fi
21651       \vfill
21652       \@@line{%
21653         \hskip\rotFPtop
21654         \rotatebox{90}{\box\rot@float@box}%
21655         \hskip\rotFPbot
21656       }%
21657     }{%
21658       \if@rot@twoside
21659         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21660       \fi
21661       \@@line{%
21662         \hskip\rotFPbot
21663         \rotatebox{-90}{\box\rot@float@box}%
21664         \hskip\rotFPtop
21665       }%
21666     \vfill

```



```

21667 }%
21668 \rot@message{\the\rot@mess@toks}
21669 }%
21670 \end@float
21671 }
21672 \let\endsidewaysfigure\end@rotfloat
21673 \let\endsidewaystable\end@rotfloat
21674 \def\end@rotdblfloat{%
21675 \end{minipage}\end{lrbox}%
21676 \stepcounter{r@tfl@t}%
21677 \rot@label{RF\ther@tfl@t}%
21678 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21679 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21680 \rot@mess@toks\expandafter{\@tempa}
21681 \@tempdima\ht\rot@float@box
21682 \advance\@tempdima by \dp\rot@float@box
21683 \wd\rot@float@box\z@
21684 \ht\rot@float@box\z@
21685 \dp\rot@float@box\z@
21686 \vboxL to \textheight{%
21687 \setkeys{Grot}{units=360}%
21688 \if@rot@twoside
21689 \else
21690 \let\R@@page\rot@LR
21691 \fi
21692 \ifthenelse{\isodd{\R@@page}}{%
21693 \ifrot@messages
21694 \if@rot@twoside
21695 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21696 \fi
21697 \fi
21698 \vfill
21699 \@@line{%
21700 \hskip\rotFPtop
21701 \rotatebox{90}{\box\rot@float@box}%
21702 \hskip\rotFPbot
21703 }%
21704 }{%
21705 \ifrot@messages
21706 \if@rot@twoside
21707 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21708 \fi
21709 \fi%
21710 \@@line{%
21711 \hskip\rotFPbot
21712 \rotatebox{-90}{\box\rot@float@box}%
21713 \hskip\rotFPtop
21714 }%
21715 \vfill
21716 }%
21717 \rot@message{\the\rot@mess@toks}%
21718 }%
21719 \end@dblfloat
21720 }

```



```

21721 \def\turn#1{%
21722   \Grot@setangle{#1}%
21723   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21724 \def\endturn{%
21725   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21726   \unskip\color@endbox
21727   \Grot@x\z@
21728   \Grot@y\z@
21729   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21730 }
21731 \def\rotate#1{%
21732   \Grot@setangle{#1}%
21733   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21734 \def\endrotate{%
21735   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21736   \unskip\color@endbox
21737   \Grot@x\z@
21738   \Grot@y\z@
21739   \wd0\z@\dp0\z@\ht0\z@
21740   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21741 }
21742 \def\turnbox#1#2{%
21743   \Grot@setangle{#1}%
21744   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
21745   \Grot@x\z@\Grot@y\z@
21746   \wd0\z@\dp0\z@\ht0\z@
21747   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21748 }
21749 \def\sideways{%
21750   \Grot@setangle{90}%
21751   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21752 \def\endsideways{%
21753   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21754   \unskip\color@endbox
21755   \Grot@x\z@
21756   \Grot@y\z@
21757   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21758 }

```

141 File `scrartcl-xetex-bidi.def`

```

21759 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class]
21760 \newcommand{\scr@saved@LTRfootnotetext}{}
21761 \newcommand{\scr@saved@RTLfootnotetext}{}
21762 \let\scr@saved@footnotetext\@footnotetext
21763 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21764 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21765 \renewcommand{\@footnotetext}[1]{%
21766   \scr@saved@footnotetext{#1}%
21767   \csname FN@mf@prepare\endcsname
21768 }
21769 \renewcommand{\@LTRfootnotetext}[1]{%
21770   \scr@saved@LTRfootnotetext{#1}%
21771   \csname FN@mf@prepare\endcsname

```




```

21772 }
21773 \renewcommand{\@RTLfootnotetext}[1]{%
21774   \scr@saved@RTLfootnotetext{#1}%
21775   \csname FN@mfb@prepare\endcsname
21776 }
21777 \renewcommand\deffootnote[4] []{%
21778   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21779     \long\def\@makefntext##1{%
21780       \ExecuteDoHook{footnote/text/begin}%
21781       \raggedfootnote
21782       \if@RTL
21783         \rightskip
21784       \else
21785         \leftskip
21786       \fi
21787       #2
21788       \l@addto@macro\@trivlist{%
21789         \ifnum\@listdepth=\@ne
21790           \if@RTL
21791             \advance\rightmargin #2\relax
21792           \else
21793             \advance\leftmargin #2\relax
21794           \fi
21795         \fi
21796       }%
21797       \parindent #3\noindent
21798       \IfArgsEmpty{#1}{-}{%
21799         \hskip \dimexpr #1-#2\relax
21800       }%
21801       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21802       \ExecuteDoHook{footnote/text/end}%
21803     }%
21804   \else
21805     \ClassInfo{\KOMAClassName}{%
21806       Using old \string\@makefntext\space due to compatibility
21807       level\MessageBreak
21808       less than 3.22}%
21809     \long\def\@makefntext##1{%
21810       \setlength{\@tempdimc}{#3}%
21811       \def\@tempa{#1}\ifx\@tempa\@empty
21812         \@setpar{\@par
21813           \@tempdima = \hsize
21814           \addtolength{\@tempdima}{-#2}%
21815           \if@RTL
21816             \parshape \@ne \z@ \@tempdima
21817           \else
21818             \parshape \@ne #2 \@tempdima
21819           \fi}%
21820         \else
21821           \addtolength{\@tempdimc}{#2}%
21822           \addtolength{\@tempdimc}{-#1}%
21823           \@setpar{\@par
21824             \@tempdima = \hsize
21825             \addtolength{\@tempdima}{-#1}%

```



```

21826         \@tempdimb = \hsize
21827         \addtolength{\@tempdimb}{-#2}%
21828         \if@RTL
21829             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21830         \else
21831             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21832         \fi
21833     }%
21834     \fi
21835     \par
21836     \parindent\@tempdimc\noindent
21837     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21838 }%
21839 \fi
21840 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
21841 }
21842 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21843 \renewcommand*\left@footnoterule{%
21844     \normalsize\ftn@rule@test@values
21845     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21846     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21847     {\usekomafont{footnoterule}{%
21848         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21849     \kern 2.6\p@}
21850 \renewcommand*\right@footnoterule{%
21851     \normalsize\ftn@rule@test@values
21852     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21853     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21854     {\usekomafont{footnoterule}{%
21855         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode}
21856         \kern 2.6\p@}
21857     \renewcommand*\maketitle[1][1]{%
21858         \expandafter\ifnum \c@name scr@v@3.12\endcsname>\scr@compatibility\relax
21859         \else
21860             \def\and{%
21861                 \end{tabular}%
21862                 \hskip 1em \@plus.17fil%
21863                 \begin{tabular}[t]{c}%
21864             }%
21865             \fi
21866             \if@titlepage
21867                 \begin{titlepage}
21868                     \setcounter{page}{%
21869                         #1%
21870                     }%
21871                 \if@titlepageiscoverpage
21872                     \edef\t@titlepage@restore{%
21873                         \noexpand\endgroup
21874                         \noexpand\global\noexpand\@colht\the\@colht
21875                         \noexpand\global\noexpand\@colroom\the\@colroom
21876                         \noexpand\global\vs@the\the\vs@the
21877                         \noexpand\global\noexpand\@titlepageiscoverpagefalse
21878                         \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
21879                     }%

```



```

21880     \begingroup
21881     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21882     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21883     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21884     \textwidth=\dimexpr
21885     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21886     \textheight=\dimexpr
21887     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21888     \headheight=0pt
21889     \headsep=0pt
21890     \footskip=\baselineskip
21891     \@colht=\textheight
21892     \@colroom=\textheight
21893     \vsize=\textheight
21894     \columnwidth=\textwidth
21895     \hsize=\columnwidth
21896     \linewidth=\hsize
21897   \else
21898     \let\titlepage@restore\relax
21899   \fi
21900   \let\footnotesize\small
21901   \let\right@footnoterule\relax
21902   \let\left@footnoterule\relax
21903   \let\textwidth@footnoterule\relax
21904   \let\footnote\thanks
21905   \let\LTRfootnote\LTRthanks
21906   \let\RTLfootnote\RTLthanks
21907   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21908   \let\@oldmakefnmark\@makefnmark
21909   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21910   \ifx\@extratitle\@empty
21911     \ifx\@frontispiece\@empty
21912     \else
21913       \if@twoside\mbox{}\next@tpage\fi
21914       \noindent\@frontispiece\next@tdpage
21915     \fi
21916   \else
21917     \noindent\@extratitle
21918     \ifx\@frontispiece\@empty
21919     \else
21920       \next@tpage
21921       \noindent\@frontispiece
21922     \fi
21923   \next@tdpage
21924   \fi
21925   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21926   \ifx\@titlehead\@empty \else
21927     \begin{minipage}[t]{\textwidth}%
21928       \usekomafont{titlehead}{\@titlehead\par}%
21929     \end{minipage}\par
21930   \fi
21931   \null\vfill
21932   \begin{center}
21933     \ifx\@subject\@empty \else

```



```

21934         {\usekomafont{subject}{\@subject\par}}%
21935         \vskip 3em
21936     \fi
21937     {\usekomafont{title}{\huge \@title\par}}%
21938     \vskip 1em
21939     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21940     \vskip 2em
21941     {%
21942         \usekomafont{author}{%
21943             \lineskip 0.75em
21944             \begin{tabular}[t]{c}
21945                 \@author
21946             \end{tabular}\par
21947         }%
21948     }%
21949     \vskip 1.5em
21950     {\usekomafont{date}{\@date \par}}%
21951     \vskip \z@ \@plus3fill
21952     {\usekomafont{publishers}{\@publishers \par}}%
21953     \vskip 3em
21954     \end{center}\par
21955     \@thanks\global\let\@thanks\@empty
21956     \vfill\null
21957     \if@twoside
21958         \@tempwattrue
21959         \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21960         \else
21961             \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21962                 \@tempwafalse
21963             \fi\fi
21964         \fi
21965         \if@tempswa
21966             \next@tpage
21967             \begin{minipage}[t]{\textwidth}
21968                 \@uppertitleback
21969             \end{minipage}\par
21970             \vfill
21971             \begin{minipage}[b]{\textwidth}
21972                 \@lowertitleback
21973             \end{minipage}\par
21974             \@thanks\global\let\@thanks\@empty
21975         \fi
21976     \else
21977         \ifx\@uppertitleback\@empty\else
21978             \ClassWarning{\KOMAClassName}{%
21979                 non empty \string\uppertitleback\space ignored
21980                 by \string\maketitle\MessageBreak
21981                 in `twoside=false' mode%
21982             }%
21983         \fi
21984         \ifx\@lowertitleback\@empty\else
21985             \ClassWarning{\KOMAClassName}{%
21986                 non empty \string\lowertitleback\space ignored
21987                 by \string\maketitle\MessageBreak

```



```

21988         in `twoside=false' mode%
21989     }%
21990     \fi
21991 \fi
21992 \ifx\@dedication\@empty
21993 \else
21994     \next@tdpage\null\vfill
21995     {\centering\usekomafont{dedication}{\@dedication \par}}%
21996     \vskip \z@ \@plus3fill
21997     \@thanks\global\let\@thanks\@empty
21998     \cleardoubleemptypage
21999     \fi
22000 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22001 \end{titlepage}
22002 \else
22003     \par
22004     \@tempcnta=%
22005     #1%
22006     \relax\ifnum\@tempcnta=1\else
22007         \ClassWarning{\KOMAClassName}{%
22008             Optional argument of \string\maketitle\space ignored\MessageBreak
22009             in `titlepage=false' mode%
22010         }%
22011     \fi
22012 \ifx\@uppertitleback\@empty\else
22013     \ClassWarning{\KOMAClassName}{%
22014         non empty \string\uppertitleback\space ignored
22015         by \string\maketitle\MessageBreak
22016         in `titlepage=false' mode%
22017     }%
22018 \fi
22019 \ifx\@lowertitleback\@empty\else
22020     \ClassWarning{\KOMAClassName}{%
22021         non empty \string\lowertitleback\space ignored
22022         by \string\maketitle\MessageBreak
22023         in `titlepage=false' mode%
22024     }%
22025 \fi
22026 \begingroup
22027     \let\titlepage@restore\relax
22028     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22029     \let\@oldmakefnmark\@makefnmark
22030     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22031     \next@tdpage
22032     \if@twocolumn
22033         \ifnum \col@number=\@ne
22034             \ifx\@extratitle\@empty
22035                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22036             \else
22037                 \@makeextratitle
22038             \fi
22039             \ifx\@frontispiece\@empty
22040                 \ifx\@extratitle\@empty\else\next@tdpage\fi
22041             \else

```



```

22042         \next@tpage
22043         \@makefrontispiece
22044         \next@tdpage
22045         \fi
22046         \@maketitle
22047     \else
22048         \ifx\@extratitle\@empty
22049         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22050         \else
22051             \twocolumn[\@makeextratitle]%
22052         \fi
22053         \ifx\@frontispiece\@empty
22054         \ifx\@extratitle\@empty\else\next@tdpage\fi
22055     \else
22056         \next@tpage
22057         \twocolumn[\@makefrontispiece]%
22058         \next@tdpage
22059         \fi
22060         \twocolumn[\@maketitle]%
22061     \fi
22062 \else
22063     \ifx\@extratitle\@empty
22064     \ifx\@frontispiece\@empty\else \mbox{}\fi
22065     \else
22066         \@makeextratitle
22067     \fi
22068     \ifx\@frontispiece\@empty
22069     \ifx\@extratitle\@empty\else\next@tdpage\fi
22070     \else
22071         \next@tpage
22072         \@makefrontispiece
22073         \next@tdpage
22074     \fi
22075     \@maketitle
22076 \fi
22077 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22078 \@thanks\global\let\@thanks\@empty
22079 \endgroup
22080 \fi
22081 \setcounter{footnote}{0}%
22082 \expandafter\ifnum \cscname scr@v@3.12\endcscname>\scr@compatibility\relax
22083 \let\thanks\relax
22084 \let\LTRthanks\relax
22085 \let\RTLthanks\relax
22086 \let\maketitle\relax
22087 \let\@maketitle\relax
22088 \global\let\@thanks\@empty
22089 \global\let\@author\@empty
22090 \global\let\@date\@empty
22091 \global\let\@title\@empty
22092 \global\let\@subtitle\@empty
22093 \global\let\@extratitle\@empty
22094 \global\let\@frontispiece\@empty
22095 \global\let\@titlehead\@empty

```



```

22096 \global\let\@subject\@empty
22097 \global\let\@publishers\@empty
22098 \global\let\@uppertitleback\@empty
22099 \global\let\@lowertitleback\@empty
22100 \global\let\@dedication\@empty
22101 \global\let\author\relax
22102 \global\let\title\relax
22103 \global\let\extratitle\relax
22104 \global\let\titlehead\relax
22105 \global\let\subject\relax
22106 \global\let\publishers\relax
22107 \global\let\uppertitleback\relax
22108 \global\let\lowertitleback\relax
22109 \global\let\dedication\relax
22110 \global\let\date\relax
22111 \fi
22112 \global\let\and\relax
22113 }%
22114 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22115 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
22116 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22117 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
22118 \renewcommand*\thesubsubsection{%
22119 \thesubsection\@SepMark\@arabic\c@subsubsection
22120 }
22121 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22122 \renewcommand*\thesubparagraph{%
22123 \theparagraph\@SepMark\@arabic\c@subparagraph
22124 }
22125 \renewenvironment{thebibliography}[1]{%
22126 \if@bib@break@
22127 \bib@beginhook
22128 \else
22129 \bib@heading
22130 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22131 \noindent\bibpreamble\par\nobreak
22132 \fi\fi
22133 \bib@beginhook
22134 \bib@before@hook
22135 \fi
22136 \renewcommand{\BreakBibliography}[1]{%
22137 \@bib@break
22138 \end{thebibliography}%
22139 \begingroup ##1\endgroup
22140 \begin{thebibliography}{#1}
22141 }%
22142 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22143 \bidi@thebibliography@font@hook%
22144 \list{%
22145 \@biblabel{\@arabic\c@enumiv}%
22146 }{%
22147 \settowidth\labelwidth{\@biblabel{#1}}%
22148 \leftmargin\labelwidth
22149 \advance\leftmargin\labelsep

```



```

22150 \@openbib@code
22151 \if@bib@break@
22152   \edef\@tempa{%
22153     \noexpand\usecounter{enumiv}%
22154     \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22155   }\@tempa
22156   \no@bib@break
22157 \else
22158   \usecounter{enumiv}%
22159 \fi
22160 \let\p@enumiv\@empty
22161 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22162 }%
22163 \sloppy\clubpenalty4000 \widowpenalty4000
22164 \sfcode\.\@m
22165 }{%
22166 \if@bib@break@
22167   \def\@noitemerr{%
22168     \@latex@warning{%
22169       \string\BreakBibliography\space at begin of `thebibliography'
22170       environment\MessageBreak
22171       or following \string\BreakBibliography}%
22172   }%
22173 \else
22174   \def\@noitemerr{%
22175     \@latex@warning{%
22176       Empty `thebibliography' environment or
22177       \string\BreakBibliography\MessageBreak
22178       before end of `thebibliography' environment}%
22179   }%
22180 \fi
22181 \endlist
22182 \if@bib@break@
22183 \else
22184   \bib@after@hook
22185   \let\bib@before@hook\@empty
22186   \let\bib@after@hook\@empty
22187 \fi
22188 \bib@endhook
22189 }
22190 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22191 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22192 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22193 \renewcommand\marginline[1]{%
22194   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
22195 }
22196 \renewcommand{\@makecaption}[3]{%
22197   \cap@margin
22198   \begingroup
22199     \ifonelinecaptions
22200       \def\stepcounter##1{\advance\value{##1}\@ne}%
22201       \let\refstepcounter\stepcounter
22202       \let\label\@gobble
22203       \let\@footnotetext=\@gobble

```




```

22204 \let\LTRfootnotetext=\@gobble
22205 \let\RTLfootnotetext=\@gobble
22206 \let\hypertarget\@gobbletwo
22207 \edef\xnewline{%
22208   \unexpanded{\ClassInfo{\KOMAClassName}{%
22209     Workaround for not recommended usage of \string\ or\MessageBreak
22210     \string\newline in caption text
22211   }}%
22212   \hspace*{\linewidth}\hspace{1sp}%
22213 }%
22214 \unexpanded\expandafter{\xnewline}%
22215 }%
22216 \edef\xcentercr{%
22217   \unexpanded{\ClassInfo{\KOMAClassName}{%
22218     Workaround for not recommended usage of \string\ or\MessageBreak
22219     \string\newline in caption text
22220   }}%
22221   \hspace*{\linewidth}\hspace{1sp}%
22222 }%
22223 \unexpanded\expandafter{\xcentercr}%
22224 }%
22225 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22226 \ifdim\@tempdima>\cap@width
22227   \aftergroup\scr@makemultilinecaption
22228 \else
22229   \aftergroup\scr@makesinglelinecaption
22230 \fi
22231 \else
22232   \aftergroup\scr@makemultilinecaption
22233 \fi
22234 \endgroup
22235 {#1}{#2}{#3}%
22236 }
22237 \renewcommand{\scr@makesinglelinecaption}[3]{%
22238   {%
22239     \usefontofkomafont{caption}{%
22240       \hb@xt@\hsize{%
22241         \cap@left
22242         \if@RTL
22243           \beginR
22244           \fi
22245         \scr@makesinglelinecaption{#1}{#2}{#3}%
22246         \if@RTL
22247           \endR
22248         \fi
22249         \cap@right
22250       }\par\kern\dp\strutbox%
22251     }%
22252   }\kern-\dp\strutbox
22253 }
22254 \renewcommand{\@makecaption}[2]{%
22255   \if@captionabove
22256     \vskip\belowcaptionskip
22257   \else

```



```

22258 \vskip\abovecaptionskip
22259 \fi
22260 \@makecaption\@firstofone{#1}{#2}%
22261 \ifcaptionabove
22262 \vskip\abovecaptionskip
22263 \else
22264 \vskip\belowcaptionskip
22265 \fi
22266 }
22267
22268 \renewcommand{\scr@makesinglelinecaption}[3]{%
22269   {\usekomafont{caption}{\strut\ignorespaces
22270     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22271   \ignorespaces #3\unskip}}%
22272 }
22273
22274 \renewcommand{\scr@makemultilinecaption}[3]{%
22275   {%
22276     \usefontofkomafont{caption}{%
22277       \hb@xt@\hsize{%
22278         \cap@left
22279         \vbox{\hsize\cap@width\linewidth\hsize
22280           \scr@ifundefinedorrelax{@captype}{%
22281             \ClassWarning{KOMAClassName}{%
22282               `string\caption' outside float.\MessageBreak
22283               Seems you are using `string\caption' outside a
22284               float.\MessageBreak
22285               Maybe you are using a package that uses
22286               `string\@makecaption'\MessageBreak
22287               without setting `string\@captype' before.\MessageBreak
22288               Because I cannot detect the caption type, I'm using\MessageBreak
22289               the empty one.%
22290             }%
22291             \let\@captype\@empty
22292           }{}}%
22293           \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
22294             \@nameuse{ragged\@captype caption}}%
22295           }%
22296           \ifdofullc@p
22297             \@hangfrom{%
22298               \strut
22299               \scr@smashdp{%
22300                 #1{%
22301                   \usekomafont{caption}{%
22302                     \usekomafont{captionlabel}{#2\captionformat}}%
22303                 }%
22304               }%
22305             }%
22306           }%
22307           {{\usekomafont{caption}{#3\scr@endstrut}}}\par}%
22308         \else
22309           \ifdim\cap@indent<\z@
22310             \strut
22311             #1{%

```



```

22312         {\usekomafont{caption}{%
22313           \usekomafont{captionlabel}{#2\captionformat}%
22314         }%
22315       }\par}%
22316       \noindent{{\usekomafont{caption}{%
22317         \hspace*{-\cap@indent}#3\scr@endstrut
22318       }}\par}%
22319     \else
22320       \if@capbreak
22321         \strut
22322         #1{%
22323           {\usekomafont{caption}{%
22324             \usekomafont{captionlabel}{#2\captionformat}%
22325           }%
22326         }\par}%
22327       \noindent\@hangfrom{\hspace*{\cap@indent}}%
22328       {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22329     \else
22330       \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22331       {%
22332         \hspace{-\cap@indent}%
22333         \scr@smashdp{%
22334           #1{\usekomafont{caption}{%
22335             \usekomafont{captionlabel}{#2\captionformat}%
22336           }%
22337         }%
22338       }%
22339       {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22340     }%
22341     \fi
22342   \fi
22343 \fi
22344 }%
22345 \cap@right
22346 }\par\kern\dp\strutbox
22347 }%
22348 }\kern-\dp\strutbox
22349 }
22350
22351 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22352   \if@komalongtable
22353     \renewcommand{\LT@makecaption}[3]{%
22354       \noalign{%
22355         \if@captionabove
22356           \vskip\belowcaptionskip
22357         \else
22358           \vskip\abovecaptionskip
22359         \fi
22360       }%
22361       \LT@mcol\LT@cols c{%
22362         \hbox to\z@{\hss\parbox[t]\linewidth{%
22363           \def\@capttype{table}%
22364           \@makecaption{#1}{#2}{#3}%
22365         \endgraf

```



```

22366         \if@captionabove
22367             \vskip\abovecaptionskip
22368         \else
22369             \vskip\belowcaptionskip
22370         \fi
22371     }%
22372     \hss
22373 }%
22374 }%
22375 }%
22376 \renewcommand*{\scr@LT@array}{}%
22377 \let\scr@LT@array=\LT@array
22378 \renewcommand*{\LT@array}{%
22379     \let\scr@caption=\LT@caption
22380     \def\captionabove{\noalign{\global\@captionabovetrue}%
22381         \scr@caption}%
22382     \def\captionbelow{\noalign{\global\@captionabovefalse}%
22383         \scr@caption}%
22384     \if@tablecaptionabove
22385         \let\LT@caption=\captionabove
22386     \else
22387         \let\LT@caption=\captionbelow
22388     \fi
22389     \scr@LT@array
22390 }%
22391 \ClassInfo{\KOMAClassName}{%
22392     longtable captions redefined%
22393 }%
22394 \fi
22395 }
22396
22397 \CloneTOCEntryStyle{tocline}{part}
22398 \TOCEntryStyleStartInitCode{part}{%
22399     \expandafter\renewcommand%
22400     \csname scr@tso@#1@linefill\endcsname{\hfill}%
22401     \expandafter\renewcommand%
22402     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22403     \expandafter\renewcommand%
22404     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22405         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22406     \expandafter\renewcommand\expandafter*%
22407     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
22408 }
22409
22410 \CloneTOCEntryStyle{tocline}{section}
22411 \TOCEntryStyleStartInitCode{section}{%
22412     \expandafter\renewcommand%
22413     \csname scr@tso@#1@linefill\endcsname{%
22414         \if@sectionentrywithdots
22415             {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22416         \else
22417             \hfill
22418         \fi
22419     }%

```



```

22420 \expandafter\renewcommand%
22421 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22422 \expandafter\renewcommand%
22423 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}\usekomafont
22424 \expandafter\renewcommand\expandafter*%
22425 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
22426 }
22427
22428 \CloneTOCEntryStyle{tocline}{subsection}
22429 \TOCEntryStyleStartInitCode{subsection}{%
22430 \expandafter\renewcommand%
22431 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22432 \expandafter\renewcommand%
22433 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22434 {\normalfont\normalcolor ##1}}%
22435 }
22436
22437 \CloneTOCEntryStyle{subsection}{default}
22438
22439 \DeclareSectionCommand[%
22440 style=section,%
22441 level=1,%
22442 indent=\z@,%
22443 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22444 afterskip=2.3ex \@plus .2ex,%
22445 tocstyle=section,%
22446 tocindent=Opt,%
22447 tocnumwidth=1.5em%
22448 ]{section}
22449 \DeclareSectionCommand[%
22450 style=part,%
22451 level=\z@,%
22452 tocstyle=part,%
22453 toclevel=\m@ne,%
22454 tocindent=\z@,%
22455 tocnumwidth=2em%
22456 ]{part}
22457 \DeclareSectionCommand[%
22458 style=section,%
22459 level=2,%
22460 indent=\z@,%
22461 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22462 afterskip=1.5ex \@plus .2ex,%
22463 tocstyle=subsection,%
22464 tocindent=1.5em,%
22465 tocnumwidth=2.3em%
22466 ]{subsection}
22467 \DeclareSectionCommand[%
22468 style=section,%
22469 level=3,%
22470 indent=\z@,%
22471 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22472 afterskip=1.5ex \@plus .2ex,%
22473 tocstyle=subsection,%

```



```

22474   tocindent=3.8em,%
22475   tocnumwidth=3.2em%
22476 ]{subsubsection}
22477 \DeclareSectionCommand[%
22478   style=section,%
22479   level=4,%
22480   indent=\z@,%
22481   beforekip=3.25ex \@plus1ex \@minus.2ex,%
22482   afterskip=-1em,%
22483   tocstyle=subsection,%
22484   tocindentfollows=subsubsection,%
22485   tocindent=7.0em,%
22486   tocnumwidth=4.1em%
22487 ]{paragraph}
22488 \DeclareSectionCommand[%
22489   style=section,%
22490   level=5,%
22491   indent=\scr@parindent,%
22492   beforekip=3.25ex \@plus1ex \@minus.2ex,%
22493   afterskip=-1em,%
22494   tocstyle=subsection,%
22495   tocindent=10em,%
22496   tocnumwidth=5em%
22497 ]{subparagraph}

```

142 File scrbook-xetex-bidi.def

```

22498 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class fo
22499 \newcommand{\scr@saved@LTRfootnotetext}{}
22500 \newcommand{\scr@saved@RTLfootnotetext}{}
22501 \let\scr@saved@footnotetext\@footnotetext
22502 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22503 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22504 \renewcommand{\@footnotetext}[1]{%
22505   \scr@saved@footnotetext{#1}%
22506   \csname FN@mf@prepare\endcsname
22507 }
22508 \renewcommand{\@LTRfootnotetext}[1]{%
22509   \scr@saved@LTRfootnotetext{#1}%
22510   \csname FN@mf@prepare\endcsname
22511 }
22512 \renewcommand{\@RTLfootnotetext}[1]{%
22513   \scr@saved@RTLfootnotetext{#1}%
22514   \csname FN@mf@prepare\endcsname
22515 }
22516 \renewcommand\deffootnote[4][1]{%
22517   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22518     \long\def\@makefntext##1{%
22519       \ExecuteDoHook{footnote/text/begin}%
22520       \raggedfootnote
22521       \if@RTL
22522         \rightskip
22523       \else
22524         \leftskip

```



```

22525     \fi
22526     #2
22527     \l@addto@macro\@trivlist{%
22528         \ifnum\@listdepth=\@ne\advance
22529             \if@RTL
22530                 \rightmargin #2\relax
22531             \else
22532                 \leftmargin #2\relax
22533             \fi
22534     \fi
22535     }%
22536     \parindent #3\noindent
22537     \IfArgIsEmpty{#1}{}{%
22538         \hskip \dimexpr #1-#2\relax
22539     }%
22540     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22541     \ExecuteDoHook{footnote/text/end}%
22542     }%
22543     \else
22544         \ClassInfo{\KOMAClassName}{%
22545             Using old \string\@makefnmark\space due to compatibility
22546             level\MessageBreak
22547             less than 3.22}%
22548         \long\def\@makefnmark##1{%
22549             \setlength{\@tempdimc}{#3}%
22550             \def\@tempa{#1}\ifx\@tempa\@empty
22551                 \@setpar{\@par
22552                     \@tempdima = \hsize
22553                     \addtolength{\@tempdima}{-#2}%
22554                     \if@RTL
22555                         \parshape \@ne \z@ \@tempdima
22556                     \else
22557                         \parshape \@ne #2 \@tempdima
22558                     \fi
22559                 }%
22560             \else
22561                 \addtolength{\@tempdimc}{#2}%
22562                 \addtolength{\@tempdimc}{-#1}%
22563                 \@setpar{\@par
22564                     \@tempdima = \hsize
22565                     \addtolength{\@tempdima}{-#1}%
22566                     \@tempdimb = \hsize
22567                     \addtolength{\@tempdimb}{-#2}%
22568                     \if@RTL
22569                         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22570                     \else
22571                         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22572                     \fi
22573                 }%
22574             \fi
22575         \par
22576         \parindent\@tempdimc\noindent
22577         \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22578     }%

```



```

22579 \fi
22580 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
22581 }
22582 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22583 \renewcommand*\left@footnoterule{%
22584 \normalsize\ftn@rule@test@values
22585 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22586 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22587 {\usekomafont{footnoterule}{%
22588 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22589 \kern 2.6\p@}
22590 \renewcommand*\right@footnoterule{%
22591 \normalsize\ftn@rule@test@values
22592 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22593 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22594 {\usekomafont{footnoterule}{%
22595 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
22596 \kern 2.6\p@}
22597 \renewcommand*\maketitle[1][1]{%
22598 \expandafter\ifnum \cscname scr@v03.12\endcscname>\scr@compatibility\relax
22599 \else
22600 \def\and{%
22601 \end{tabular}%
22602 \hskip 1em \@plus.17fil%
22603 \begin{tabular}[t]{c}%
22604 }%
22605 \fi
22606 \if@titlepage
22607 \begin{titlepage}
22608 \setcounter{page}{%
22609 #1%
22610 }%
22611 \if@titlepageiscoverpage
22612 \edef\titlepage@restore{%
22613 \noexpand\endgroup
22614 \noexpand\global\noexpand\@colht\the\@colht
22615 \noexpand\global\noexpand\@colroom\the\@colroom
22616 \noexpand\global\vsizethe\vsizethe
22617 \noexpand\global\noexpand\@titlepageiscoverpagefalse
22618 \noexpand\let\noexpand\titlepage@restore\noexpand\relax
22619 }%
22620 \begin{group}
22621 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22622 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22623 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22624 \textwidth=\dimexpr
22625 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22626 \textheight=\dimexpr
22627 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22628 \headheight=0pt
22629 \headsep=0pt
22630 \footskip=\baselineskip
22631 \@colht=\textheight
22632 \@colroom=\textheight

```




```

22633     \vsize=\textheight
22634     \columnwidth=\textwidth
22635     \hsize=\columnwidth
22636     \linewidth=\hsize
22637 \else
22638     \let\titlepage@restore\relax
22639 \fi
22640 \let\footnotesize\small
22641 \let\right@footnoterule\relax
22642 \let\left@footnoterule\relax
22643 \let\textwidth@footnoterule\relax
22644 \let\footnote\thanks
22645 \let\LTRfootnote\LTRthanks
22646 \let\RTLfootnote\RTLthanks
22647 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22648 \let\@oldmakefnmark\@makefnmark
22649 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22650 \ifx\@extratitle\@empty
22651     \ifx\@frontispiece\@empty
22652     \else
22653         \if@twoside\mbox{}\next@tpage\fi
22654         \noindent\@frontispiece\next@tdpage
22655     \fi
22656 \else
22657     \noindent\@extratitle
22658     \ifx\@frontispiece\@empty
22659     \else
22660         \next@tpage
22661         \noindent\@frontispiece
22662     \fi
22663     \next@tdpage
22664 \fi
22665 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22666 \ifx\@titlehead\@empty \else
22667     \begin{minipage}[t]{\textwidth}%
22668         \usekomafont{titlehead}{\@titlehead\par}%
22669     \end{minipage}\par
22670 \fi
22671 \null\vfill
22672 \begin{center}
22673     \ifx\@subject\@empty \else
22674         {\usekomafont{subject}{\@subject\par}}%
22675         \vskip 3em
22676     \fi
22677     {\usekomafont{title}{\huge \@title\par}}%
22678     \vskip 1em
22679     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22680     \vskip 2em
22681     {%
22682         \usekomafont{author}{%
22683             \lineskip 0.75em
22684             \begin{tabular}[t]{c}
22685                 \@author
22686             \end{tabular}\par

```



```

22687     }%
22688   }%
22689   \vskip 1.5em
22690   {\usekomafont{date}{\@date \par}}%
22691   \vskip \z@ \@plus3fill
22692   {\usekomafont{publishers}{\@publishers \par}}%
22693   \vskip 3em
22694 \end{center}\par
22695 \@thanks\global\let\@thanks\@empty
22696 \vfill\null
22697 \if@twoside
22698   \@tempwatrue
22699   \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22700   \else
22701     \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22702       \@tempwafalse
22703     \fi\fi
22704   \fi
22705   \if@tempswa
22706     \next@tpage
22707     \begin{minipage}[t]{\textwidth}
22708       \@uppertitleback
22709     \end{minipage}\par
22710     \vfill
22711     \begin{minipage}[b]{\textwidth}
22712       \@lowertitleback
22713     \end{minipage}\par
22714     \@thanks\global\let\@thanks\@empty
22715   \fi
22716 \else
22717   \ifx\@uppertitleback\@empty\else
22718     \ClassWarning{\KOMAClassName}{%
22719       non empty \string\uppertitleback\space ignored
22720       by \string\maketitle\MessageBreak
22721       in `twoside=false' mode%
22722     }%
22723   \fi
22724   \ifx\@lowertitleback\@empty\else
22725     \ClassWarning{\KOMAClassName}{%
22726       non empty \string\lowertitleback\space ignored
22727       by \string\maketitle\MessageBreak
22728       in `twoside=false' mode%
22729     }%
22730   \fi
22731 \fi
22732 \ifx\@dedication\@empty
22733 \else
22734   \next@tdpage\null\vfill
22735   {\centering\usekomafont{dedication}{\@dedication \par}}%
22736   \vskip \z@ \@plus3fill
22737   \@thanks\global\let\@thanks\@empty
22738   \cleardoubleemptypage
22739 \fi
22740 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi

```



```

22741 \end{titlepage}
22742 \else
22743 \par
22744 \@tempcnta=%
22745 #1%
22746 \relax\ifnum\@tempcnta=1\else
22747 \ClassWarning{\KOMAClassName}{%
22748   Optional argument of \string\maketitle\space ignored\MessageBreak
22749   in `titlepage=false' mode%
22750 }%
22751 \fi
22752 \ifx\@uppertitleback\@empty\else
22753 \ClassWarning{\KOMAClassName}{%
22754   non empty \string\uppertitleback\space ignored
22755   by \string\maketitle\MessageBreak
22756   in `titlepage=false' mode%
22757 }%
22758 \fi
22759 \ifx\@lowertitleback\@empty\else
22760 \ClassWarning{\KOMAClassName}{%
22761   non empty \string\lowertitleback\space ignored
22762   by \string\maketitle\MessageBreak
22763   in `titlepage=false' mode%
22764 }%
22765 \fi
22766 \begingroup
22767 \let\titlepage@restore\relax
22768 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22769 \let\@oldmakefnmark\@makefnmark
22770 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
22771 \next@tdpage
22772 \if@twocolumn
22773 \ifnum \col@number=\@ne
22774 \ifx\@extratitle\@empty
22775 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22776 \else
22777 \makeextratitle
22778 \fi
22779 \ifx\@frontispiece\@empty
22780 \ifx\@extratitle\@empty\else\next@tdpage\fi
22781 \else
22782 \next@tpage
22783 \makefrontispiece
22784 \next@tdpage
22785 \fi
22786 \maketitle
22787 \else
22788 \ifx\@extratitle\@empty
22789 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22790 \else
22791 \twocolumn[\makeextratitle]%
22792 \fi
22793 \ifx\@frontispiece\@empty
22794 \ifx\@extratitle\@empty\else\next@tdpage\fi

```



```

22795         \else
22796             \next@tpage
22797             \twocolumn[\@makefrontispiece]%
22798             \next@tdpage
22799         \fi
22800         \twocolumn[\@maketitle]%
22801     \fi
22802 \else
22803     \ifx\@extratitle\@empty
22804         \ifx\@frontispiece\@empty\else \mbox{}\fi
22805     \else
22806         \@makeextratitle
22807     \fi
22808     \ifx\@frontispiece\@empty
22809         \ifx\@extratitle\@empty\else\next@tdpage\fi
22810     \else
22811         \next@tpage
22812         \@makefrontispiece
22813         \next@tdpage
22814     \fi
22815     \@maketitle
22816 \fi
22817     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22818     \@thanks\global\let\@thanks\@empty
22819 \endgroup
22820 \fi
22821 \setcounter{footnote}{0}%
22822 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22823     \let\thanks\relax
22824     \let\LTRthanks\relax
22825     \let\RTLthanks\relax
22826     \let\maketitle\relax
22827     \let\@maketitle\relax
22828     \global\let\@thanks\@empty
22829     \global\let\@author\@empty
22830     \global\let\@date\@empty
22831     \global\let\@title\@empty
22832     \global\let\@subtitle\@empty
22833     \global\let\@extratitle\@empty
22834     \global\let\@frontispiece\@empty
22835     \global\let\@titlehead\@empty
22836     \global\let\@subject\@empty
22837     \global\let\@publishers\@empty
22838     \global\let\@uppertitleback\@empty
22839     \global\let\@lowertitleback\@empty
22840     \global\let\@dedication\@empty
22841     \global\let\author\relax
22842     \global\let\title\relax
22843     \global\let\extratitle\relax
22844     \global\let\titlehead\relax
22845     \global\let\subject\relax
22846     \global\let\publishers\relax
22847     \global\let\uppertitleback\relax
22848     \global\let\lowertitleback\relax

```



```

22849 \global\let\dedication\relax
22850 \global\let\date\relax
22851 \fi
22852 \global\let\and\relax
22853 }%
22854 \def\raggedsection{\ifRTL\raggedleft\else\raggedright\fi}
22855 \renewcommand*\autodot{\if@altsecnumformat@SepMark\fi}
22856 \renewcommand*\thesection{%
22857 \expandafter\ifnum\scr@v@is@gt{2.97d}%
22858 \if@mainmatter\thechapter@SepMark\fi
22859 \else
22860 \thechapter@SepMark%
22861 \fi
22862 \@arabic@c@section
22863 }
22864 \renewcommand*\thesubsection{\thesection@SepMark@arabic@c@subsection}
22865 \renewcommand*\thesubsubsection{%
22866 \thesubsection@SepMark@arabic@c@subsubsection
22867 }
22868 \renewcommand*\theparagraph{\thesubsubsection@SepMark@arabic@c@paragraph}
22869 \renewcommand*\thesubparagraph{%
22870 \theparagraph@SepMark@arabic@c@subparagraph
22871 }
22872 \expandafter\ifnum\scr@v@is@le{2.97d}%
22873 \renewcommand*\thefigure{\thechapter@SepMark@arabic@c@figure}
22874 \fi
22875 \expandafter\ifnum\scr@v@is@le{2.97d}%
22876 \renewcommand*\thetable{\thechapter@SepMark@arabic@c@table}
22877 \fi
22878 \renewcommand*\theequation{%
22879 \expandafter\ifnum\scr@v@is@gt{2.97d}%
22880 \if@mainmatter\thechapter@SepMark\fi
22881 \else
22882 \thechapter@SepMark%
22883 \fi
22884 \@arabic@c@equation
22885 }
22886 \renewenvironment{thebibliography}[1]{%
22887 \if@bib@break@
22888 \bib@beginhook
22889 \else
22890 \ifx\bibpreamble\relax\else\ifx\bibpreamble@empty\else
22891 \setchapterpreamble{\bibpreamble}%
22892 \fi\fi
22893 \bib@heading
22894 \bib@beginhook
22895 \bib@before@hook
22896 \fi
22897 \renewcommand{\BreakBibliography}[1]{%
22898 \@bib@break
22899 \end{thebibliography}%
22900 \begingroup ##1\endgroup
22901 \begin{thebibliography}{#1}
22902 }%

```



```

22903 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
22904 \bidi@thebibliography@font@hook%
22905 \list{%
22906 \@biblabel{\@arabic@c@enumiv}%
22907 }{%
22908 \settowidth\labelwidth{\@biblabel{#1}}%
22909 \leftmargin\labelwidth
22910 \advance\leftmargin\labelsep
22911 \@openbib@code
22912 \if@bib@break@
22913 \edef\@tempa{%
22914 \noexpand\usecounter{enumiv}%
22915 \noexpand\setcounter{enumiv}{\the@c@enumiv}%
22916 }\@tempa
22917 \no@bib@break
22918 \else
22919 \usecounter{enumiv}%
22920 \fi
22921 \let\p@enumiv\@empty
22922 \renewcommand*\theenumiv{\@arabic@c@enumiv}%
22923 }%
22924 \sloppy\clubpenalty4000 \widowpenalty4000
22925 \sfcode`.=\@m
22926 }{%
22927 \if@bib@break@
22928 \def\@noitemerr{%
22929 \@latex@warning{%
22930 \string\BreakBibliography\space at begin of `thebibliography'
22931 environment\MessageBreak
22932 or following \string\BreakBibliography}%
22933 }%
22934 \else
22935 \def\@noitemerr{%
22936 \@latex@warning{%
22937 Empty `thebibliography' environment or
22938 \string\BreakBibliography\MessageBreak
22939 before end of `thebibliography' environment}%
22940 }%
22941 \fi
22942 \endlist
22943 \if@bib@break@
22944 \else
22945 \bib@after@hook
22946 \let\bib@before@hook\@empty
22947 \let\bib@after@hook\@empty
22948 \fi
22949 \bib@endhook
22950 }
22951 \renewcommand*\@raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22952 \renewcommand*\@raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22953 \renewcommand*\@raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22954 \renewcommand\marginline[1]{%
22955 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
22956 }

```



```

22957 \renewcommand{\@@makecaption}[3]{%
22958   \cap@margin
22959   \begingroup
22960     \ifonelinecaptions
22961       \def\stepcounter##1{\advance\value{##1}\@ne}%
22962       \let\refstepcounter\stepcounter
22963       \let\label@gobble
22964       \let\@footnotetext=@gobble
22965       \let\@LTRfootnotetext=@gobble
22966       \let\@RTLfootnotetext=@gobble
22967       \let\hypertarget@gobbletwo
22968       \edef\xnewline{%
22969         \unexpanded{\ClassInfo{\KOMAClassName}{%
22970           Workaround for not recommended usage of \string\\ or\MessageBreak
22971           \string\newline in caption text
22972         }}%
22973         \hspace*{\linewidth}\hspace{1sp}%
22974       }%
22975       \unexpanded\expandafter{\xnewline}%
22976     }%
22977     \edef\xcentercr{%
22978       \unexpanded{\ClassInfo{\KOMAClassName}{%
22979         Workaround for not recommended usage of \string\\ or\MessageBreak
22980         \string\newline in caption text
22981       }}%
22982       \hspace*{\linewidth}\hspace{1sp}%
22983     }%
22984     \unexpanded\expandafter{\xcentercr}%
22985   }%
22986   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22987   \ifdim\@tempdima>\cap@width
22988     \aftergroup\scr@makemultilinecaption
22989   \else
22990     \aftergroup\scr@makesinglelinecaption
22991   \fi
22992 \else
22993   \aftergroup\scr@makemultilinecaption
22994 \fi
22995 \endgroup
22996 {#1}{#2}{#3}%
22997 }
22998 \renewcommand{\scr@makesinglelinecaption}[3]{%
22999   {%
23000     \usefontofkomafont{caption}{%
23001       \hb@xt@\hsize{%
23002         \cap@left
23003         \if@RTL
23004           \beginR
23005         \fi
23006         \scr@makesinglelinecaption{#1}{#2}{#3}%
23007         \if@RTL
23008           \endR
23009         \fi
23010         \cap@right

```



```

23011     }\par\kern\dp\strutbox%
23012     }%
23013   }\kern-\dp\strutbox
23014 }
23015 \renewcommand{\@makecaption}[2]{%
23016   \if@captionabove
23017     \vskip\belowcaptionskip
23018   \else
23019     \vskip\abovecaptionskip
23020   \fi
23021   \@makecaption\@firstofone{#1}{#2}%
23022   \if@captionabove
23023     \vskip\abovecaptionskip
23024   \else
23025     \vskip\belowcaptionskip
23026   \fi
23027 }
23028
23029 \renewcommand{\scr@makesinglelinecaption}[3]{%
23030   {\usekomafont{caption}{\strut\ignorespaces
23031     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23032   \ignorespaces #3\unskip}}%
23033 }
23034
23035 \renewcommand{\scr@makemultilinecaption}[3]{%
23036   {%
23037     \usefontofkomafont{caption}{%
23038       \hb@xt@\hsize{%
23039         \cap@left
23040         \vbox{\hsize\cap@width\linewidth\hsize
23041           \scr@ifundefinedorrelax{\@captive}{%
23042             \ClassWarning{KOMAClassName}{%
23043               `string\caption' outside float.\MessageBreak
23044               Seems you are using `string\caption' outside a
23045               float.\MessageBreak
23046               Maybe you are using a package that uses
23047               `string\@makecaption'\MessageBreak
23048               without setting `string\@captive' before.\MessageBreak
23049               Because I cannot detect the caption type, I'm using\MessageBreak
23050               the empty one.%
23051             }%
23052             \let\@captive\@empty
23053           }-}%
23054           \scr@ifundefinedorrelax{ragged\@captive}{\raggedcaption}{%
23055             \@nameuse{ragged\@captive}{caption}%
23056           }%
23057           \ifdofullc@p
23058             \@hangfrom{%
23059               \strut
23060               \scr@smashdp{%
23061                 #1{%
23062                   \usekomafont{caption}{%
23063                     \usekomafont{captionlabel}{#2\captionformat}%
23064                   }%

```




```

23065         }%
23066     }%
23067 }%
23068   {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23069 \else
23070   \ifdim\cap@indent<\z@
23071     \strut
23072     #1{%
23073       {\usekomafont{caption}{%
23074         \usekomafont{captionlabel}{#2\captionformat}%
23075       }%
23076     }\par}%
23077   \noindent{{\usekomafont{caption}{%
23078     \hspace*{-\cap@indent}#3\scr@endstrut
23079   }}\par}%
23080 \else
23081   \if@capbreak
23082     \strut
23083     #1{%
23084       {\usekomafont{caption}{%
23085         \usekomafont{captionlabel}{#2\captionformat}%
23086       }
23087     }\par}%
23088   \noindent\@hangfrom{\hspace*{\cap@indent}}%
23089   {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23090 \else
23091   \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23092   {%
23093     \hspace{-\cap@indent}%
23094     \scr@smashdp{%
23095       #1{\usekomafont{caption}{%
23096         \usekomafont{captionlabel}{#2\captionformat}%
23097       }%
23098     }%
23099   }%
23100   {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23101 }%
23102   \fi
23103   \fi
23104   \fi
23105 }%
23106   \cap@right
23107 } \par \kern \dp \strutbox
23108 }%
23109 } \kern - \dp \strutbox
23110 }
23111
23112
23113 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23114   \if@komalongtable
23115     \renewcommand{\LT@makecaption}[3]{%
23116       \noalign{%
23117         \if@captionabove
23118           \vskip\belowcaptionskip

```



```

23119     \else
23120         \vskip\abovecaptionskip
23121     \fi
23122 }%
23123 \LT@mcol\LT@cols c{%
23124     \hbox to\z@{\hss\parbox[t]\linewidth{%
23125         \def\@capttype{table}%
23126         \@makecaption{#1}{#2}{#3}%
23127         \endgraf
23128         \if@captionabove
23129             \vskip\abovecaptionskip
23130         \else
23131             \vskip\belowcaptionskip
23132         \fi
23133     }%
23134     \hss
23135 }%
23136 }%
23137 }%
23138 \renewcommand*\scr@LT@array{}%
23139 \let\scr@LT@array=\LT@array
23140 \renewcommand*\LT@array{%
23141     \let\scr@caption=\LT@caption
23142     \def\captionabove{\noalign{\global\@captionabovetrue}%
23143         \scr@caption}%
23144     \def\captionbelow{\noalign{\global\@captionabovefalse}%
23145         \scr@caption}%
23146     \if@tablecaptionabove
23147         \let\LT@caption=\captionabove
23148     \else
23149         \let\LT@caption=\captionbelow
23150     \fi
23151     \scr@LT@array
23152 }%
23153 \ClassInfo{\KOMAClassName}{%
23154     longtable captions redefined%
23155 }%
23156 \fi
23157 }
23158
23159 \CloneTOCEntryStyle{tocline}{part}
23160 \TOCEntryStyleStartInitCode{part}{%
23161     \expandafter\renewcommand%
23162     \csname scr@tso@#1@linefill\endcsname{\hfill}%
23163     \expandafter\renewcommand%
23164     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23165     \expandafter\renewcommand%
23166     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23167         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23168     \expandafter\renewcommand\expandafter*%
23169     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23170 }
23171
23172 \CloneTOCEntryStyle{tocline}{chapter}

```



```

23173 \TOCEntryStyleStartInitCode{chapter}{%
23174   \expandafter\renewcommand%
23175   \csname scr@tso@#1@linefill\endcsname{%
23176     \if@chapterentrywithdots
23177       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23178     \else
23179       \hfill
23180     \fi
23181   }%
23182   \expandafter\renewcommand%
23183   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23184   \expandafter\renewcommand%
23185   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23186     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23187   \expandafter\renewcommand\expandafter*%
23188   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23189 }
23190
23191 \CloneTOCEntryStyle{tocline}{section}
23192 \TOCEntryStyleStartInitCode{section}{%
23193   \expandafter\renewcommand%
23194   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23195   \expandafter\renewcommand%
23196   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23197     {\normalfont\normalcolor ##1}}%
23198 }
23199
23200 \CloneTOCEntryStyle{section}{default}
23201
23202 \DeclareSectionCommand[%
23203   style=chapter,%
23204   level=\z@,%
23205   pagestyle=plain,%
23206   tocstyle=chapter,%
23207   tocindent=\z@,%
23208   tocnumwidth=1.5em%
23209 ]{chapter}
23210 \DeclareSectionCommand[%
23211   style=section,%
23212   level=1,%
23213   indent=\z@,%
23214   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23215   afterskip=2.3ex \@plus .2ex,%
23216   tocstyle=section,%
23217   tocindentfollows=chapter,%
23218   tocindent=1.5em,%
23219   tocnumwidth=2.3em%
23220 ]{section}
23221 \DeclareSectionCommand[%
23222   style=part,%
23223   level=\m@ne,%
23224   pagestyle=plain,%
23225   tocstyle=part,%
23226   toplevel=\m@ne,%

```



```

23227 tocindent=\z@,%
23228 tocnumwidth=2em%
23229 ]{part}
23230 \DeclareSectionCommand[%
23231 style=section,%
23232 level=2,%
23233 indent=\z@,%
23234 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
23235 afterskip=1.5ex \@plus .2ex,%
23236 tocstyle=section,%
23237 tocindent=3.8em,%
23238 tocnumwidth=3.2em%
23239 ]{subsection}
23240 \DeclareSectionCommand[%
23241 style=section,%
23242 level=3,%
23243 indent=\z@,%
23244 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
23245 afterskip=1.5ex \@plus .2ex,%
23246 tocstyle=section,%
23247 tocindent=7.0em,%
23248 tocnumwidth=4.1em%
23249 ]{subsubsection}
23250 \DeclareSectionCommand[%
23251 style=section,%
23252 level=4,%
23253 indent=\z@,%
23254 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23255 afterskip=-1em,%
23256 tocindentfollows=subsubsection,%
23257 tocstyle=section,%
23258 tocindent=10em,%
23259 tocnumwidth=5em%
23260 ]{paragraph}
23261 \DeclareSectionCommand[%
23262 style=section,%
23263 level=5,%
23264 indent=\scr@parindent,%
23265 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23266 afterskip=-1em,%
23267 tocstyle=section,%
23268 tocindent=12em,%
23269 tocnumwidth=6em%
23270 ]{subparagraph}

```

143 File `scrreprt-xetex-bidi.def`

```

23271 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class
23272 \newcommand{\scr@saved@LTRfootnotetext}{}
23273 \newcommand{\scr@saved@RTLfootnotetext}{}
23274 \let\scr@saved@footnotetext\@footnotetext
23275 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23276 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23277 \renewcommand{\@footnotetext}[1]{%

```



```

23278 \scr@saved@footnotetext{#1}%
23279 \csname FN@mf@prepare\endcsname
23280 }
23281 \renewcommand{\@LTRfootnotetext}[1]{%
23282 \scr@saved@LTRfootnotetext{#1}%
23283 \csname FN@mf@prepare\endcsname
23284 }
23285 \renewcommand{\@RTLfootnotetext}[1]{%
23286 \scr@saved@RTLfootnotetext{#1}%
23287 \csname FN@mf@prepare\endcsname
23288 }
23289 \renewcommand\deffootnote[4][ ]{%
23290 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23291 \long\def\@makefntext##1{%
23292 \ExecuteDoHook{footnote/text/begin}%
23293 \raggedfootnote
23294 \if@RTL
23295 \rightskip
23296 \else
23297 \leftskip
23298 \fi
23299 #2
23300 \l@addto@macro\@trivlist{%
23301 \ifnum\@listdepth=\@ne
23302 \if@RTL
23303 \advance\rightmargin #2\relax
23304 \else
23305 \advance\leftmargin #2\relax
23306 \fi
23307 \fi
23308 }%
23309 \parindent #3\noindent
23310 \IfArgIsEmpty{#1}{-}{%
23311 \hskip \dimexpr #1-#2\relax
23312 }%
23313 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23314 \ExecuteDoHook{footnote/text/end}%
23315 }%
23316 \else
23317 \ClassInfo{\KOMAClassName}{%
23318 Using old \string\@makefntext\space due to compatibility
23319 level\MessageBreak
23320 less than 3.22}%
23321 \long\def\@makefntext##1{%
23322 \setlength{\@tempdimc}{#3}%
23323 \def\@tempa{#1}\ifx\@tempa\@empty
23324 \@setpar{\@par
23325 \@tempdima = \hspace
23326 \addtolength{\@tempdima}{-#2}%
23327 \if@RTL
23328 \parshape \@ne \z@ \@tempdima
23329 \else
23330 \parshape \@ne #2 \@tempdima
23331 \fi

```



```

23332     }%
23333     \else
23334         \addtolength{\@tempdimc}{#2}%
23335         \addtolength{\@tempdimc}{-#1}%
23336         \@setpar{\@par
23337             \@tempdima = \hsize
23338             \addtolength{\@tempdima}{-#1}%
23339             \@tempdimb = \hsize
23340             \addtolength{\@tempdimb}{-#2}%
23341             \ifRTL
23342                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23343             \else
23344                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23345             \fi
23346         }%
23347     \fi
23348     \par
23349     \parindent\@tempdimc\noindent
23350     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
23351 }%
23352 \fi
23353 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
23354 }
23355 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23356 \renewcommand*\left@footnoterule{%
23357     \normalsize\ftn@rule@test@values
23358     \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
23359     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23360     {\usekomafont{footnoterule}{%
23361         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23362     \kern 2.6\p@}
23363 \renewcommand*\right@footnoterule{%
23364     \normalsize\ftn@rule@test@values
23365     \kern-\dimexpr 2.6\p+\ftn@rule@height\relax
23366     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23367     {\usekomafont{footnoterule}{%
23368         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
23369     \kern 2.6\p@}
23370 \renewcommand*\maketitle[1][1]{%
23371     \expandafter\ifnum \cscname scr@v@3.12\endcsname>\scr@compatibility\relax
23372     \else
23373         \def\and{%
23374             \end{tabular}%
23375             \hskip 1em \@plus.17fil%
23376             \begin{tabular}[t]{c}%
23377         }%
23378     \fi
23379     \if@titlepage
23380         \begin{titlepage}
23381             \setcounter{page}{%
23382                 #1%
23383             }%
23384             \if@titlepageiscoverpage
23385                 \edef\titlename@restore{%

```



```

23386     \noexpand\endgroup
23387     \noexpand\global\noexpand\@colht\the\@colht
23388     \noexpand\global\noexpand\@colroom\the\@colroom
23389     \noexpand\global\vsizethe\vsizethe
23390     \noexpand\global\noexpand\@titlepageiscoverpagefalse
23391     \noexpand\let\noexpand\titlepage@restore\noexpand\relax
23392   }%
23393   \begingroup
23394   \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23395   \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23396   \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23397   \textwidth=\dimexpr
23398   \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23399   \textheight=\dimexpr
23400   \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23401   \headheight=0pt
23402   \headsep=0pt
23403   \footskip=\baselineskip
23404   \@colht=\textheight
23405   \@colroom=\textheight
23406   \vsizethe=\textheight
23407   \columnwidth=\textwidth
23408   \hsize=\columnwidth
23409   \linewidth=\hsize
23410   \else
23411     \let\titlepage@restore\relax
23412   \fi
23413   \let\footnotesize\small
23414   \let\right@footnoterule\relax
23415   \let\left@footnoterule\relax
23416   \let\textwidth@footnoterule\relax
23417   \let\footnote\thanks
23418   \let\LTRfootnote\LTRthanks
23419   \let\RTLfootnote\RTLthanks
23420   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23421   \let\@oldmakefnmark\@makefnmark
23422   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
23423   \ifx\@extratitle\@empty
23424     \ifx\@frontispiece\@empty
23425     \else
23426       \if@twoside\mbox{}\next@tpage\fi
23427       \noindent\@frontispiece\next@tdpage
23428     \fi
23429   \else
23430     \noindent\@extratitle
23431     \ifx\@frontispiece\@empty
23432     \else
23433       \next@tpage
23434       \noindent\@frontispiece
23435     \fi
23436     \next@tdpage
23437   \fi
23438   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23439   \ifx\@titlehead\@empty \else

```



```

23440     \begin{minipage}[t]{\textwidth}%
23441         \usekomafont{titlehead}{\@titlehead\par}%
23442     \end{minipage}\par
23443 \fi
23444 \null\vfill
23445 \begin{center}
23446     \ifx\@subject\@empty \else
23447         {\usekomafont{subject}{\@subject\par}}%
23448         \vskip 3em
23449     \fi
23450     {\usekomafont{title}{\huge \@title\par}}%
23451     \vskip 1em
23452     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23453     \vskip 2em
23454     {%
23455         \usekomafont{author}{%
23456             \lineskip 0.75em
23457             \begin{tabular}[t]{c}
23458                 \@author
23459             \end{tabular}\par
23460         }%
23461     }%
23462     \vskip 1.5em
23463     {\usekomafont{date}{\@date \par}}%
23464     \vskip \z@ \@plus3fill
23465     {\usekomafont{publishers}{\@publishers \par}}%
23466     \vskip 3em
23467 \end{center}\par
23468 \@thanks\global\let\@thanks\@empty
23469 \vfill\null
23470 \if@twoside
23471     \@tempswatrue
23472     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23473     \else
23474         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23475             \@tempswafalse
23476         \fi\fi
23477     \fi
23478     \if@tempswa
23479         \next@tpage
23480         \begin{minipage}[t]{\textwidth}
23481             \@uppertitleback
23482         \end{minipage}\par
23483         \vfill
23484         \begin{minipage}[b]{\textwidth}
23485             \@lowertitleback
23486         \end{minipage}\par
23487         \@thanks\global\let\@thanks\@empty
23488     \fi
23489 \else
23490     \ifx\@uppertitleback\@empty\else
23491         \ClassWarning{\KOMAClassName}{%
23492             non empty \string\uppertitleback\space ignored
23493             by \string\maketitle\MessageBreak

```




```

23494         in `twoside=false' mode%
23495     }%
23496 \fi
23497 \ifx\@lowertitleback\@empty\else
23498     \ClassWarning{\KOMAClassName}{%
23499         non empty \string\lowertitleback\space ignored
23500         by \string\maketitle\MessageBreak
23501         in `twoside=false' mode%
23502     }%
23503 \fi
23504 \fi
23505 \ifx\@dedication\@empty
23506 \else
23507     \next@tdpage\null\vfill
23508     {\centering\usekomafont{dedication}{\@dedication \par}}%
23509     \vskip \z@ \@plus3fill
23510     \@thanks\global\let\@thanks\@empty
23511     \cleardoubleemptypage
23512 \fi
23513 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
23514 \end{titlepage}
23515 \else
23516 \par
23517 \@tempcnta=%
23518 #1%
23519 \relax\ifnum\@tempcnta=1\else
23520     \ClassWarning{\KOMAClassName}{%
23521         Optional argument of \string\maketitle\space ignored\MessageBreak
23522         in `titlepage=false' mode%
23523     }%
23524 \fi
23525 \ifx\@uppertitleback\@empty\else
23526     \ClassWarning{\KOMAClassName}{%
23527         non empty \string\uppertitleback\space ignored
23528         by \string\maketitle\MessageBreak
23529         in `titlepage=false' mode%
23530     }%
23531 \fi
23532 \ifx\@lowertitleback\@empty\else
23533     \ClassWarning{\KOMAClassName}{%
23534         non empty \string\lowertitleback\space ignored
23535         by \string\maketitle\MessageBreak
23536         in `titlepage=false' mode%
23537     }%
23538 \fi
23539 \begingroup
23540     \let\titlepage@restore\relax
23541     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23542     \let\@oldmakefnmark\@makefnmark
23543     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23544     \next@tdpage
23545     \iftwocolumn
23546         \ifnum \col@number=\@ne
23547         \ifx\@extratitle\@empty

```



```

23548         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23549     \else
23550         \@makeextratitle
23551     \fi
23552     \ifx\@frontispiece\@empty
23553         \ifx\@extratitle\@empty\else\next@tdpage\fi
23554     \else
23555         \next@tdpage
23556         \@makefrontispiece
23557         \next@tdpage
23558     \fi
23559     \@maketitle
23560 \else
23561     \ifx\@extratitle\@empty
23562         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23563     \else
23564         \twocolumn[\@makeextratitle]%
23565     \fi
23566     \ifx\@frontispiece\@empty
23567         \ifx\@extratitle\@empty\else\next@tdpage\fi
23568     \else
23569         \next@tdpage
23570         \twocolumn[\@makefrontispiece]%
23571         \next@tdpage
23572     \fi
23573     \twocolumn[\@maketitle]%
23574 \fi
23575 \else
23576     \ifx\@extratitle\@empty
23577         \ifx\@frontispiece\@empty\else \mbox{}\fi
23578     \else
23579         \@makeextratitle
23580     \fi
23581     \ifx\@frontispiece\@empty
23582         \ifx\@extratitle\@empty\else\next@tdpage\fi
23583     \else
23584         \next@tdpage
23585         \@makefrontispiece
23586         \next@tdpage
23587     \fi
23588     \@maketitle
23589 \fi
23590     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23591     \@thanks\global\let\@thanks\@empty
23592 \endgroup
23593 \fi
23594 \setcounter{footnote}{0}%
23595 \expandafter\ifnum \csname scr@v03.12\endcsname>\scr@compatibility\relax
23596     \let\thanks\relax
23597     \let\LTRthanks\relax
23598     \let\RTLthanks\relax
23599     \let\maketitle\relax
23600     \let\@maketitle\relax
23601 \global\let\@thanks\@empty

```



```

23602 \global\let\@author\@empty
23603 \global\let\@date\@empty
23604 \global\let\@title\@empty
23605 \global\let\@subtitle\@empty
23606 \global\let\@extratitle\@empty
23607 \global\let\@frontispiece\@empty
23608 \global\let\@titlehead\@empty
23609 \global\let\@subject\@empty
23610 \global\let\@publishers\@empty
23611 \global\let\@uppertitleback\@empty
23612 \global\let\@lowertitleback\@empty
23613 \global\let\@dedication\@empty
23614 \global\let\author\relax
23615 \global\let\title\relax
23616 \global\let\extratitle\relax
23617 \global\let\titlehead\relax
23618 \global\let\subject\relax
23619 \global\let\publishers\relax
23620 \global\let\uppertitleback\relax
23621 \global\let\lowertitleback\relax
23622 \global\let\dedication\relax
23623 \global\let\date\relax
23624 \fi
23625 \global\let\and\relax
23626 }%
23627 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23628 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23629 \renewcommand*\thesection{%
23630 \thechapter\@SepMark%
23631 \@arabic\c@section
23632 }
23633 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
23634 \renewcommand*\thesubsubsection{%
23635 \thesubsection\@SepMark\@arabic\c@subsubsection
23636 }
23637 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23638 \renewcommand*\thesubparagraph{%
23639 \theparagraph\@SepMark\@arabic\c@subparagraph
23640 }
23641 \expandafter\ifnum\scr@v@is@le{2.97d}%
23642 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23643 \fi
23644 \expandafter\ifnum\scr@v@is@le{2.97d}%
23645 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23646 \fi
23647 \renewcommand*\theequation{%
23648 \thechapter\@SepMark%
23649 \@arabic\c@equation
23650 }
23651 \renewenvironment{thebibliography}[1]{%
23652 \if@bib@break@
23653 \bib@beginhook
23654 \else
23655 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else

```



```

23656         \setchapterpreamble{\bibpreamble}%
23657     \fi\fi
23658     \bib@heading
23659     \bib@beginhook
23660     \bib@before@hook
23661 \fi
23662 \renewcommand{\BreakBibliography}[1]{%
23663     \@bib@break
23664     \end{thebibliography}%
23665     \begingroup ##1\endgroup
23666     \begin{thebibliography}{#1}
23667 }%
23668 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
23669 \bidi@thebibliography@font@hook%
23670 \list{%
23671     \@biblabel{\@arabic\c@enumiv}%
23672 }{%
23673     \settowidth\labelwidth{\@biblabel{#1}}%
23674     \leftmargin\labelwidth
23675     \advance\leftmargin\labelsep
23676     \@openbib@code
23677     \if@bib@break@
23678         \edef\@tempa{%
23679             \noexpand\usecounter{enumiv}%
23680             \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23681         }\@tempa
23682         \no@bib@break
23683     \else
23684         \usecounter{enumiv}%
23685     \fi
23686     \let\p@enumiv\@empty
23687     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23688 }%
23689 \sloppy\clubpenalty4000 \widowpenalty4000
23690 \sfcode\.\@m
23691 }{%
23692 \if@bib@break@
23693     \def\@noitemerr{%
23694         \@latex@warning{%
23695             \string\BreakBibliography\space at begin of `thebibliography'
23696             environment\MessageBreak
23697             or following \string\BreakBibliography}%
23698         }%
23699     \else
23700     \def\@noitemerr{%
23701         \@latex@warning{%
23702             Empty `thebibliography' environment or
23703             \string\BreakBibliography\MessageBreak
23704             before end of `thebibliography' environment}%
23705         }%
23706     \fi
23707     \endlist
23708     \if@bib@break@
23709     \else

```



```

23710 \bib@after@hook
23711 \let\bib@before@hook\@empty
23712 \let\bib@after@hook\@empty
23713 \fi
23714 \bib@endhook
23715 }
23716 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
23717 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
23718 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
23719 \renewcommand\marginline[1]{%
23720 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
23721 }
23722 \renewcommand{\@makecaption}[3]{%
23723 \cap@margin
23724 \begingroup
23725 \ifonelinecaptions
23726 \def\stepcounter##1{\advance\value{##1}\@ne}%
23727 \let\refstepcounter\stepcounter
23728 \let\label\@gobble
23729 \let\@footnotetext=\@gobble
23730 \let\@LTRfootnotetext=\@gobble
23731 \let\@RTLfootnotetext=\@gobble
23732 \let\hypertarget\@gobbletwo
23733 \edef\@xnewline{%
23734 \unexpanded{\ClassInfo{\KOMAClassName}{%
23735 Workaround for not recommended usage of \string\ or\MessageBreak
23736 \string\newline in caption text
23737 }%
23738 \hspace*{\linewidth}\hspace{1sp}%
23739 }%
23740 \unexpanded\expandafter{\@xnewline}%
23741 }%
23742 \edef\@xcentercr{%
23743 \unexpanded{\ClassInfo{\KOMAClassName}{%
23744 Workaround for not recommended usage of \string\ or\MessageBreak
23745 \string\newline in caption text
23746 }%
23747 \hspace*{\linewidth}\hspace{1sp}%
23748 }%
23749 \unexpanded\expandafter{\@xcentercr}%
23750 }%
23751 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23752 \ifdim\@tempdima>\cap@width
23753 \aftergroup\scr@makemultilinecaption
23754 \else
23755 \aftergroup\scr@makesinglelinecaption
23756 \fi
23757 \else
23758 \aftergroup\scr@makemultilinecaption
23759 \fi
23760 \endgroup
23761 {#1}{#2}{#3}%
23762 }
23763 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

23764   {%
23765     \usefontofkomafont{caption}{%
23766       \hb@xt@\hsize{%
23767         \cap@left
23768         \if@RTL
23769         \beginR
23770         \fi
23771         \scr@makesinglelinecaption{#1}{#2}{#3}%
23772         \if@RTL
23773         \endR
23774         \fi
23775         \cap@right
23776       }\par\kern\dp\strutbox%
23777     }%
23778   }\kern-\dp\strutbox
23779 }
23780 \renewcommand{\@makecaption}[2]{%
23781   \if@captionabove
23782     \vskip\belowcaptionskip
23783   \else
23784     \vskip\abovecaptionskip
23785   \fi
23786   \@makecaption\@firstofone{#1}{#2}%
23787   \if@captionabove
23788     \vskip\abovecaptionskip
23789   \else
23790     \vskip\belowcaptionskip
23791   \fi
23792 }
23793
23794 \renewcommand{\scr@makesinglelinecaption}[3]{%
23795   {\usekomafont{caption}{\strut\ignorespaces
23796     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23797   \ignorespaces #3\unskip}}%
23798 }
23799
23800 \renewcommand{\scr@makemultilinecaption}[3]{%
23801   {%
23802     \usefontofkomafont{caption}{%
23803       \hb@xt@\hsize{%
23804         \cap@left
23805         \vbox{\hsize\cap@width\linewidth\hsize
23806           \scr@ifundefinedorrelax{@capttype}{%
23807             \ClassWarning{KOMAClassName}{%
23808               `'\string\caption' outside float.\MessageBreak
23809               Seems you are using `'\string\caption' outside a
23810               float.\MessageBreak
23811               Maybe you are using a package that uses
23812               `'\string\@makecaption'\MessageBreak
23813               without setting `'\string\@capttype' before.\MessageBreak
23814               Because I cannot detect the caption type, I'm using\MessageBreak
23815               the empty one.%
23816             }%
23817             \let\@capttype\@empty

```



```

23818 }{}%
23819 \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
23820   \@nameuse{ragged\@capttype caption}%
23821 }%
23822 \ifdofullc@p
23823   \@hangfrom{%
23824     \strut
23825     \scr@smashdp{%
23826       #1{%
23827         \usekomafont{caption}{%
23828           \usekomafont{captionlabel}{#2\captionformat}%
23829         }%
23830       }%
23831     }%
23832   }%
23833   {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23834 \else
23835   \ifdim\cap@indent<\z@
23836     \strut
23837     #1{%
23838       {\usekomafont{caption}{%
23839         \usekomafont{captionlabel}{#2\captionformat}%
23840       }%
23841     }\par}%
23842     \noindent{\usekomafont{caption}{%
23843       \hspace*{-\cap@indent}#3\scr@endstrut
23844     }}\par}%
23845   \else
23846     \if@capbreak
23847       \strut
23848       #1{%
23849         {\usekomafont{caption}{%
23850           \usekomafont{captionlabel}{#2\captionformat}%
23851         }%
23852       }\par}%
23853       \noindent\@hangfrom{\hspace*{\cap@indent}}%
23854       {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23855     \else
23856       \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23857       {%
23858         \hspace{-\cap@indent}%
23859         \scr@smashdp{%
23860           #1{\usekomafont{caption}{%
23861             \usekomafont{captionlabel}{#2\captionformat}%
23862           }%
23863         }%
23864       }%
23865       {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23866     }%
23867     \fi
23868   \fi
23869 \fi
23870 }%
23871 \cap@right

```



```

23872     }\par\kern\dp\strutbox
23873     }%
23874   }\kern-\dp\strutbox
23875 }
23876
23877
23878 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23879   \if@komalongtable
23880     \renewcommand{\LT@makecaption}[3]{%
23881       \noalign{%
23882         \if@captionabove
23883           \vskip\belowcaptionskip
23884         \else
23885           \vskip\abovecaptionskip
23886         \fi
23887       }%
23888       \LT@mcol\LT@cols c{%
23889         \hbox to\z@{\hss\parbox[t]\linewidth{%
23890           \def\@capttype{table}%
23891           \@makecaption{#1}{#2}{#3}%
23892           \endgraf
23893           \if@captionabove
23894             \vskip\abovecaptionskip
23895           \else
23896             \vskip\belowcaptionskip
23897           \fi
23898         }%
23899         \hss
23900       }%
23901     }%
23902   }%
23903   \renewcommand*\scr@LT@array}{}%
23904   \let\scr@LT@array=\LT@array
23905   \renewcommand*\LT@array}{%
23906     \let\scr@caption=\LT@caption
23907     \def\captionabove{\noalign{\global\@captionabovetrue}%
23908       \scr@caption}%
23909     \def\captionbelow{\noalign{\global\@captionabovefalse}%
23910       \scr@caption}%
23911     \if@tablecaptionabove
23912       \let\LT@caption=\captionabove
23913     \else
23914       \let\LT@caption=\captionbelow
23915     \fi
23916     \scr@LT@array
23917   }%
23918   \ClassInfo{\KOMAClassName}{%
23919     longtable captions redefined%
23920   }%
23921   \fi
23922 }
23923
23924 \CloneTOCEntryStyle{tocline}{part}
23925 \TOCEntryStyleStartInitCode{part}{%

```




```

23926 \expandafter\renewcommand%
23927 \csname scr@tso@#1@linefill\endcsname{\hfill}%
23928 \expandafter\renewcommand%
23929 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23930 \expandafter\renewcommand%
23931 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23932   {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
23933 \expandafter\renewcommand\expandafter*%
23934 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23935 }
23936
23937 \CloneTOCEntryStyle{tocline}{chapter}
23938 \TOCEntryStyleStartInitCode{chapter}{%
23939   \expandafter\renewcommand%
23940   \csname scr@tso@#1@linefill\endcsname{%
23941     \if@chapterentrywithdots
23942       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23943     \else
23944       \hfill
23945     \fi
23946   }%
23947   \expandafter\renewcommand%
23948   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23949   \expandafter\renewcommand%
23950   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23951     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}}%
23952   \expandafter\renewcommand\expandafter*%
23953   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23954 }
23955
23956 \CloneTOCEntryStyle{tocline}{section}
23957 \TOCEntryStyleStartInitCode{section}{%
23958   \expandafter\renewcommand%
23959   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23960   \expandafter\renewcommand%
23961   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23962     {\normalfont\normalcolor ##1}}%
23963 }
23964
23965 \CloneTOCEntryStyle{section}{default}
23966
23967 \DeclareSectionCommand[%
23968   style=chapter,%
23969   level=\z@,%
23970   pagestyle=plain,%
23971   tocstyle=chapter,%
23972   tocindent=\z@,%
23973   tocnumwidth=1.5em%
23974 ]{chapter}
23975 \DeclareSectionCommand[%
23976   style=section,%
23977   level=1,%
23978   indent=\z@,%
23979   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%

```



```

23980 afterskip=2.3ex \@plus.2ex,%
23981 tocstyle=section,%
23982 tocindentfollows=chapter,%
23983 tocindent=1.5em,%
23984 tocnumwidth=2.3em%
23985 ]{section}
23986 \DeclareSectionCommand[%
23987 style=part,%
23988 level=\m@ne,%
23989 pagestyle=plain,%
23990 tocstyle=part,%
23991 toclevel=\m@ne,%
23992 tocindent=\z@,%
23993 tocnumwidth=2em%
23994 ]{part}
23995 \DeclareSectionCommand[%
23996 style=section,%
23997 level=2,%
23998 indent=\z@,%
23999 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
24000 afterskip=1.5ex \@plus .2ex,%
24001 tocstyle=section,%
24002 tocindent=3.8em,%
24003 tocnumwidth=3.2em%
24004 ]{subsection}
24005 \DeclareSectionCommand[%
24006 style=section,%
24007 level=3,%
24008 indent=\z@,%
24009 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
24010 afterskip=1.5ex \@plus .2ex,%
24011 tocstyle=section,%
24012 tocindent=7.0em,%
24013 tocnumwidth=4.1em%
24014 ]{subsubsection}
24015 \DeclareSectionCommand[%
24016 style=section,%
24017 level=4,%
24018 indent=\z@,%
24019 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
24020 afterskip=-1em,%
24021 tocindentfollows=subsubsection,%
24022 tocstyle=section,%
24023 tocindent=10em,%
24024 tocnumwidth=5em%
24025 ]{paragraph}
24026 \DeclareSectionCommand[%
24027 style=section,%
24028 level=5,%
24029 indent=\scr@parindent,%
24030 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
24031 afterskip=-1em,%
24032 tocstyle=section,%
24033 tocindent=12em,%

```



```
24034 tocnumwidth=6em%
24035 ]{subparagraph}
```

144 File sidecap-xetex-bidi.def

```
24036 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package
24037 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
24038   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
24039 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
24040 \renewcommand*{\SC@justify@caption}{\if@RTL%
24041 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
24042   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
```

145 File soul-xetex-bidi.def

```
24043 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for Xe
24044 \long\def\S@UL@start#1{%
24045   \let\bidi@RTL@everypar@empty
24046   \let\<\S@UL@lowerthan
24047   \let\>\empty
24048   \def\soulomit{\noexpand\soulomit}%
24049   \gdef\S@UL@eventuallyexhyphen##1{%
24050     \let\S@UL@soeventuallyskip\relax
24051     \S@UL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
24052       \@minus\fontdimen4\font
24053     \S@UL@ignorespacesfalse
24054     \leavevmode
24055     \S@UL@preamble
24056     \S@UL@lasttoken={}%
24057     \S@UL@word={}%
24058     \S@UL@minus\z@
24059     \S@UL@comma\z@
24060     \S@UL@apo\z@
24061     \S@UL@grave\z@
24062     \S@UL@do{#1}%
24063     \S@UL@postamble
24064 }}}
24065 \def\S@UL@ulunderline#1{%
24066   \setbox\z@\hbox{#1}%
24067   \dimen@=\wd\z@
24068   \dimen@i=\S@UL@uloverlap
24069   \advance\dimen@2\dimen@i
24070   \if@RTL
24071     \unhcopy\z@
24072     \llap{%
24073       \null
24074       \kern-\dimen@i
24075       \S@UL@ulcolor{\S@UL@ulleaders\hskip\dimen@}%
24076     }%
24077   \else
24078     \rlap{%
24079       \null
24080       \kern-\dimen@i
24081       \S@UL@ulcolor{\S@UL@ulleaders\hskip\dimen@}%
24082     }%
```



```

24082 }%
24083 \unhcopy\z@
24084 \fi
24085 }}
24086 \def\bidi@SOUL@ulleaders{%
24087 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\
24088 }
24089 \def\SOUL@uleveryspace#1{%
24090 \if@RTL
24091 #1%
24092 \bidi@SOUL@ulleaders
24093 \hskip\spaceskip
24094 \else
24095 \SOUL@ulcolor{%
24096 #1%
24097 \SOUL@ulleaders
24098 \hskip\spaceskip
24099 }%
24100 \fi
24101 \null
24102 }

```

146 File stabular-xetex-bidi.def

```

24103 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular packag
24104 \def\@stabular{%
24105 \leavevmode \bgroup \if@RTLtab\beginR \fi
24106 \let\@acol\@tabacol
24107 \let\@classz\@tabclassz
24108 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
24109 \def\endstabular{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
24110 \egroup \if@RTLtab\endR\fi\egroup}
24111 \expandafter \let \csname endstabular*\endcsname = \endstabular
24112 \def\@sarray[#1]#2{%
24113 \bgroup
24114 \setbox\@arstrutbox\hbox{%
24115 \vrule \@height\arraystretch\ht\strutbox
24116 \@depth\arraystretch \dp\strutbox
24117 \@width\z@}%
24118 \@mkpream{#2}%
24119 \edef\@preamble{%
24120 \ialign \noexpand\@halignto
24121 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24122 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24123 \let\@tabularnewline\%
24124 \let\@sharp##%
24125 \set@typeset@protect
24126 \lineskip\z@skip\baselineskip\z@skip
24127 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
24128 \@preamble}

```

147 File subfigure-xetex-bidi.def

```

24129 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure pack

```



```

24130 \AtBeginDocument{%
24131 \let\p@subfigure=\thefigure
24132 \let\p@subtable=\thetable%
24133 }

```

148 File `tabls-xetex-bidi.def`

```

24134 \ProvidesFile{tabls-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for
24135 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
24136
24137 \expandafter\let\csname endtabular*\endcsname=\endtabular
24138
24139 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crrc if \ given
24140 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
24141 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
24142
24143 \def\@array[#1]#2{% remember global variables to allow recursion:
24144 \edef\@unrecurse{\global\@skip@above\the\@skip@above
24145 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
24146 \let\@otarlinesep\@tarlinesep \global\@skip@above-\@otarlinesep
24147 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
24148 \else \let\@tarlinesep\tablinesep \fi
24149 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
24150 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
24151 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
24152 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
24153 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
24154 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
24155 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24156 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
24157 \let\protect\noexpand
24158 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
24159 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
24160 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24161 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24162 \bgroup \let\par\empty
24163 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
24164 \advance\extrarulesep.5\arrayrulewidth
24165 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
24166 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
24167 \@preamble}

```

149 File `tabularx-xetex-bidi.def`

```

24168 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx packag
24169 \def\TX@endtabularx{%
24170 \expandafter\expandafter\expandafter
24171 \TX@find@endtabularxa\csname end\TX@\endcsname
24172 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
24173 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
24174 \let\verb\TX@verb
24175 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
24176 \edef\TX@ckpt{\c1@ckpt}%
24177 \let\@elt\relax

```



```

24178 \TX@old@table\maxdimen
24179 \TX@col@width\TX@target
24180 \global\TX@cols\@ne
24181 \TX@typeout@
24182 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
24183 \TX@trial{\def\NC@rewrite@X{%
24184     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
24185 \loop
24186     \TX@arith
24187     \ifTX@
24188     \TX@trial{}%
24189 \repeat
24190 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
24191 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
24192 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
24193 \csname tabular*\expandafter\endcsname\expandafter\TX@target
24194     \the\toks@
24195     \csname endtabular*\endcsname}%
24196 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
24197 \ifnum0=\fi}%
24198 \expandafter\expandafter\expandafter
24199 \TX@find@endtabularxbb
24200 \expandafter\end\expandafter{\TX@}%
24201 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
24202 }
24203
24204 \def\TX@trial#1{%
24205     \setbox\@tempboxa\hbox{%
24206         #1\relax
24207     \let\@footnotetext\TX@trial@ftn
24208     \let\@LTRfootnotetext\TX@trial@ftn
24209     \let\@RTLfootnotetext\TX@trial@ftn
24210     \let\TX@vwarn\@empty
24211     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
24212     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
24213     \def\write{\begingroup
24214         \def\let{\afterassignment\endgroup\toks@}%
24215         \afterassignment\let\count@}%
24216     \hbadness\@M
24217     \hfuzz\maxdimen
24218     \let\hbadness\@tempcnta
24219     \let\hfuzz\@tempdima
24220     \expandafter\tabular\the\toks@
24221     \endtabular}%
24222 \TX@ckpt
24223 \TX@typeout@{\@spaces
24224     \expandafter\TX@align
24225     \the\wd\@tempboxa\space\space\space\space\space\@@
24226     \expandafter\TX@align
24227     \the\TX@col@width\space\space\space\space\space\@@
24228     \@spaces\the\TX@cols}}
24229
24230 \long\def\TX@LTRftntext#1{%
24231     \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext

```



```

24232             [\the\csname c@\mpfn\endcsname}}%
24233 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24234 \long\def\TX@xLTRftntext[#1]#2{%
24235 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}
24236
24237 \long\def\TX@RTLftntext#1{%
24238 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
24239             [\the\csname c@\mpfn\endcsname}}%
24240 \global\TX@ftn\expandafter{\@tempa{#1}}}%
24241 \long\def\TX@xRTLftntext[#1]#2{%
24242 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}

```

150 File tabulary-xetex-bidi.def

```

24243 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
24244 \def\@testpach{\@chclass
24245 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24246 \ifnum \@lastchclass=7 5 \else
24247 \ifnum \@lastchclass=8 \tw@ \else
24248 \ifnum \@lastchclass=9 \thr@@
24249 \else \z@
24250 \ifnum \@lastchclass = 10 \else
24251 \edef\@nextchar{\expandafter\string\@nextchar}%
24252 \@chnum
24253 \if \@nextchar c\z@ \else
24254 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24255 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
24256 \if \@nextchar C7 \else
24257 \if \@nextchar L8 \else
24258 \if \@nextchar R9 \else
24259 \if \@nextchar J10 \else
24260 \z@ \@chclass
24261 \if \@nextchar |\@ne \else
24262 \if \@nextchar !6 \else
24263 \if \@nextchar @7 \else
24264 \if \@nextchar <8 \else
24265 \if \@nextchar >9 \else
24266 10
24267 \@chnum
24268 \if \@nextchar m\thr@@\else
24269 \if \@nextchar p4 \else
24270 \if \@nextchar b5 \else
24271 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
24272 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-bidi.def

```

24273 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for X]
24274 \def\@cliptoboxdim#1{%
24275 \setbox#1=\hbox{%
24276 \Gin@defaultbp\WIDTH{\wd#1}%
24277 \Gin@defaultbp\DEPTH{\dp#1}%
24278 \@tempdima\ht#1%
24279 \advance\@tempdima\dp#1%

```



```

24280 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24281 \beginL\special{pdf:bcontent }%
24282 \special{%
24283 pdf:literal direct
24284 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24285 }%
24286 \special{pdf:literal direct W }%
24287 \special{pdf:literal direct n }%
24288 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24289 \special{pdf:econtent }\endL%
24290 }%
24291 }

```

152 File tcolorbox-xetex-bidi.def

```

24292 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox pack
24293 \let\endtcbox@lrbox=\endminipage
24294 \let\endtcbox@savebox=\endtcbox@lrbox
24295
24296 \bidi@patchcmd{\tcb@vbox}{%
24297 \let\@footnotetext\@mpfootnotetext%
24298 }{%
24299 \let\@footnotetext\@mpfootnotetext%
24300 \let\@LTRfootnotetext\@mpLTRfootnotetext%
24301 \let\@RTLfootnotetext\@mpRTLfootnotetext%
24302 }-{}-{}
24303
24304 \bidi@patchcmd{\endtcbox@vbox}{%
24305 \footnoterule%
24306 }{%
24307 \bidi@mpfootnoterule%
24308 }-{}-{}
24309 \bidi@apptocmd\tcb@icolorbox{%
24310 \@bidi@list@minipage@parboxfalse
24311 }-{}-{}

```

153 File titlesec-xetex-bidi.def

```

24312 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec packag
24313 \renewcommand\filright{%
24314 \gdef\ttl@filleft##1{\hskip##1}%
24315 \gdef\ttl@filright##1{\hfill}%
24316 \let\\\@centercr
24317 \advance\rightskip\z@ \@plus 1fil
24318 \parfillskip\z@}
24319 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
24320 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24321 \setlength\leftskip{#6}%
24322 \setlength\rightskip{#7}%
24323 \interlinepenalty\@M
24324 \ttl@changecentercr
24325 \ttl@beginlongest
24326 #1{\ifhmode\ttl@hmode@error\fi
24327 \ttl@glcmds

```




```

24328 \parindent\z@
24329 \leavevmode
24330 \beginingroup
24331 \ifttl@label
24332 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24333 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24334 \llap{\box\z@}%
24335 \fi
24336 #4{#8}%
24337 \kern\z@\strut\@par
24338 \endgroup
24339 \nobreak\ttl@midlongest#5\@par}%
24340 \ttl@endlongest}

```

154 File `titletoc-xetex-bidi.def`

```

24341 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24342 \renewcommand\filright{%
24343 \gdef\ttl@filleft##1{\hskip##1}%
24344 \gdef\ttl@filright##1{\hfill}%
24345 \let\\\@centercr
24346 \advance\rightskip\z@ \@plus 1fil
24347 \parfillskip\z@}
24348 \renewcommand\contentspush[1]{%
24349 \sbox\z@{#1}%
24350 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24351 \aftergroup\ttl@b
24352 \leavevmode\llap{\box\z@}}
24353 \def\ttl@outnoblock#1#2#3{%
24354 \beginingroup
24355 \ifnum\ttl@b>\ttl@a
24356 \nobreak
24357 \else\ifnum\ttl@b<\ttl@a
24358 \addpenalty{\@secpenalty}%
24359 \else
24360 \addpenalty{\z@}%
24361 \fi\fi
24362 \ttl@contentsstretch
24363 \nobreak
24364 \ifcase#1\relax\else\interlinepenalty\@M\fi
24365 \parindent\z@
24366 \ifx\@nil#2%
24367 \PackageError{titletoc}{Unimplemented}%
24368 {The optional argument is currently mandatory}%
24369 \else
24370 \if@RTL\setlength\rightskip{#2}\else
24371 \setlength\leftskip{#2}\fi%
24372 \fi
24373 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24374 \let\contentsmargin\ttl@margin
24375 \def\ttl@makeline##1{##1}%
24376 #3%
24377 \addtolength{\parfillskip}{-\ttl@corr}%
24378 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%

```



```

24379 \let\ttl@leaders\leaders}
24380 \renewcommand\ttl@margin[2][\z@]{%
24381 \def\ttl@corr{#1}%
24382 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24383 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24384 \def\@pnumwidth{#2}}
24385 \let\ttl@savel@part\l@part
24386 \def\l@part{\ttl@lselect{part}}
24387
24388 \let\ttl@savel@chapter\l@chapter
24389 \def\l@chapter{\ttl@lselect{chapter}}

```

155 File tocbibind-xetex-bidi.def

```

24390 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind pack
24391 \if@dotocbib
24392 \if@packageloaded{natbib}{-}{% natbib not loaded
24393 \renewcommand{\bibsection}{\t@cb@bchapsec}
24394 \renewenvironment{thebibliography}[1]{%
24395 \bibsection
24396 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
24397 \renewenvironment{thebibitemlist}[1]{
24398 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
24399 \bidi@thebibliography@font@hook%
24400 \list{\@biblabel{\@arabic{c@enumiv}}}%
24401 {\settowidth\labelwidth{\@biblabel{#1}}%
24402 \leftmargin\labelwidth
24403 \advance\leftmargin\labelsep
24404 \@openbib@code
24405 \usecounter{enumiv}%
24406 \let\p@enumiv\@empty
24407 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
24408 \sloppy
24409 \clubpenalty4000
24410 \@clubpenalty \clubpenalty
24411 \widowpenalty4000%
24412 \sfcode`\.\@m}
24413 {\def\@noitemerr
24414 {\@latex@warning{Empty `thebibliography' environment}}}%
24415 \endlist}
24416
24417 \if@packagewith{chapterbib}{sectionbib}%
24418 {\renewcommand{\sectionbib}[2]{}}%
24419 {}
24420
24421 \fi
24422 \if@inltxdoc\else
24423 \renewenvironment{theindex}%
24424 {\if@twocolumn
24425 \@restonecolfalse
24426 \else
24427 \@restonecoltrue
24428 \fi
24429 \if@bibchapter

```



```

24430     \if@donumindex
24431         \refstepcounter{chapter}
24432         \twocolumn[\vspace*{2\topskip}%
24433             \@makechapterhead{\indexname}]%
24434         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24435         \chaptermark{\indexname}
24436     \else
24437         \if@dotocind
24438             \twocolumn[\vspace*{2\topskip}%
24439                 \@makeschapterhead{\indexname}]%
24440             \prw@mkboth{\indexname}
24441             \addcontentsline{toc}{chapter}{\indexname}
24442         \else
24443             \twocolumn[\vspace*{2\topskip}%
24444                 \@makeschapterhead{\indexname}]%
24445             \prw@mkboth{\indexname}
24446         \fi
24447     \fi
24448 \else
24449     \if@donumindex
24450         \twocolumn[\vspace*{-1.5\topskip}%
24451             \@nameuse{\@tocextra}{\indexname}]%
24452         \csname \@tocextra mark\endcsname{\indexname}
24453     \else
24454         \if@dotocind
24455             \twocolumn[\vspace*{-1.5\topskip}%
24456                 \toc@headstar{\@tocextra}{\indexname}]%
24457             \prw@mkboth{\indexname}
24458             \addcontentsline{toc}{\@tocextra}{\indexname}
24459         \else
24460             \twocolumn[\vspace*{-1.5\topskip}%
24461                 \toc@headstar{\@tocextra}{\indexname}]%
24462             \prw@mkboth{\indexname}
24463         \fi
24464     \fi
24465 \fi
24466 \thispagestyle{plain}\parindent\z@
24467 \parskip\z@ \@plus .3\p@\relax
24468 \let\item\@idxitem}
24469 {\if@restonecol\onecolumn\else\clearpage\fi}
24470 \fi

```

156 File tocloft-xetex-bidi.def

```

24471 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package]
24472 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24473 \let\cftdot\@SepMark
24474 \if@cfthaspart
24475 \renewcommand*{\l@part}[2]{
24476     \@cftdopartfalse
24477     \ifnum \c@tocdepth >-2\relax
24478         \if@cfthaschapter
24479             \@cftdoparttrue
24480         \fi

```



```

24481 \ifnum \c@tocdepth >\m@ne
24482 \ifcfthaschapter\else
24483 \cftdoparttrue
24484 \fi
24485 \fi
24486 \fi
24487 \ifcftdopart
24488 \ifcfthaschapter
24489 \addpenalty{-\@highpenalty}
24490 \else
24491 \addpenalty\@secpenalty
24492 \fi
24493 \advspace{\cftbeforepartskip}
24494 \begingroup
24495 {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
24496 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24497 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24498 \parindent \cftpartindent\relax\@afterindenttrue
24499 \interlinepenalty\@M
24500 \leavevmode
24501 \@tempdima \cftpartnumwidth\relax
24502 \let\@cftbsnum \cftpartpresnum
24503 \let\@cftasnum \cftpartaftersnum
24504 \let\@cftasnumb \cftpartaftersnumb
24505 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\r
24506 {\cftpartfont \cftpartpresnum #1}
24507 \cftpartfillnum{#2}}
24508 \nobreak
24509 \ifcfthaschapter
24510 \global\@nobreaktrue
24511 \everypar{\global\@nobreakfalse\everypar{}}
24512 \else
24513 \ifcompatibility
24514 \global\@nobreaktrue
24515 \everypar{\global\@nobreakfalse\everypar{}}
24516 \fi
24517 \fi
24518 \endgroup
24519 \fi}
24520 \fi
24521 \ifcfthaschapter
24522 \renewcommand*{\l@chapter}[2]{
24523 \ifnum \c@tocdepth >\m@ne
24524 \addpenalty{-\@highpenalty}
24525 \vskip \cftbeforechapskip
24526 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24527 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24528 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24529 \parindent \cftchapindent\relax\@afterindenttrue
24530 \interlinepenalty\@M
24531 \leavevmode
24532 \@tempdima \cftchapnumwidth\relax
24533 \let\@cftbsnum \cftchappresnum
24534 \let\@cftasnum \cftchapaftersnum

```



```

24535 \let\@cftasnumb \cftchapaftersnumb
24536 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24537 {\cftchapfont #1}\nobreak
24538 \cftchapfillnum{#2}}
24539 \fi}
24540 \fi
24541 \renewcommand*{\l@section}[2]{%
24542 \ifnum \c@tocdepth >\z@
24543 \if@cfthaschapter
24544 \vskip \cftbeforesecskip
24545 \else
24546 \addpenalty\@secpenalty
24547 \advspace{\cftbeforesecskip}
24548 \fi
24549 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
24550 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24551 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24552 \parindent \cftsecindent\relax\@afterindenttrue
24553 \interlinepenalty\@M
24554 \leavevmode
24555 \@tempdima \cftsecnumwidth\relax
24556 \let\@cftbsnum \cftsecpresnum
24557 \let\@cftasnum \cftsecaftersnum
24558 \let\@cftasnumb \cftsecaftersnumb
24559 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24560 {\cftsecfont #1}\nobreak
24561 \cftsecfillnum{#2}}
24562 \fi}
24563 \renewcommand*{\l@subsection}[2]{%
24564 \ifnum \c@tocdepth >\@ne
24565 \vskip \cftbeforesubsecskip
24566 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
24567 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24568 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24569 \parindent \cftsubsecindent\relax\@afterindenttrue
24570 \interlinepenalty\@M
24571 \leavevmode
24572 \@tempdima \cftsubsecnumwidth\relax
24573 \let\@cftbsnum \cftsubsecpresnum
24574 \let\@cftasnum \cftsubsecaftersnum
24575 \let\@cftasnumb \cftsubsecaftersnumb
24576 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24577 {\cftsubsecfont #1}\nobreak
24578 \cftsubsecfillnum{#2}}
24579 \fi}
24580 \renewcommand*{\l@subsubsection}[2]{%
24581 \ifnum \c@tocdepth >\tw@
24582 \vskip \cftbeforesubsubsecskip
24583 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
24584 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24585 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24586 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24587 \interlinepenalty\@M
24588 \leavevmode

```



```

24589 \@tempdima \cftsubsubsecnumwidth\relax
24590 \let\@cftbsnum \cftsubsubsecpresnum
24591 \let\@cftasnum \cftsubsubsecaftersnum
24592 \let\@cftasnumb \cftsubsubsecaftersnumb
24593 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24594 {\cftsubsubsecfont #1}\nobreak
24595 \cftsubsubsecfillnum{#2}}
24596 \fi}
24597 \renewcommand*{\l@paragraph}[2]{%
24598 \ifnum \c@tocdepth >3\relax
24599 \vskip \cftbeforeparaskip
24600 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
24601 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
24602 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24603 \parindent \cftparaindent\relax\@afterindenttrue
24604 \interlinepenalty\@M
24605 \leavevmode
24606 \@tempdima \cftparanumwidth\relax
24607 \let\@cftbsnum \cftparapresnum
24608 \let\@cftasnum \cftparaaftersnum
24609 \let\@cftasnumb \cftparaaftersnumb
24610 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24611 {\cftparafont #1}\nobreak
24612 \cftparafillnum{#2}}
24613 \fi}
24614 \renewcommand*{\l@subparagraph}[2]{%
24615 \ifnum \c@tocdepth >4\relax
24616 \vskip \cftbeforeparaskip
24617 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
24618 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
24619 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24620 \parindent \cftsubparaindent\relax\@afterindenttrue
24621 \interlinepenalty\@M
24622 \leavevmode
24623 \@tempdima \cftsubparanumwidth\relax
24624 \let\@cftbsnum \cftsubparapresnum
24625 \let\@cftasnum \cftsubparaaftersnum
24626 \let\@cftasnumb \cftsubparaaftersnumb
24627 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24628 {\cftsubparafont #1}\nobreak
24629 \cftsubparafillnum{#2}}
24630 \fi}
24631 \renewcommand*{\l@figure}[2]{%
24632 \ifnum \c@lofdepth >\z@
24633 \vskip \cftbeforefigskip
24634 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24635 \if@RTL\leftskip\else\rightskip\fi \@tocmarg
24636 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24637 \parindent \cftfigindent\relax\@afterindenttrue
24638 \interlinepenalty\@M
24639 \leavevmode
24640 \@tempdima \cftfignumwidth\relax
24641 \let\@cftbsnum \cftfigpresnum
24642 \let\@cftasnum \cftfigaftersnum

```



```

24643 \let\@cftasnumb \cftfigaftersnumb
24644 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24645 {\cftfigfont #1}\nobreak
24646 \cftfigfillnum{#2}}
24647 \fi
24648 }
24649 \renewcommand*\l@table}[2]{%
24650 \ifnum\c@lotdepth >\z@
24651 \vskip \cftbeforetabskip
24652 {\if@RTL\righskip\else\leftskip\fi \cfttabindent\relax
24653 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24654 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24655 \parindent \cfttabindent\relax\@afterindenttrue
24656 \interlinepenalty\@M
24657 \leavevmode
24658 \@tempdima \cfttabnumwidth\relax
24659 \let\@cftbsnum \cfttabpresnum
24660 \let\@cftasnum \cfttabaftersnum
24661 \let\@cftasnumb \cfttabaftersnumb
24662 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24663 {\cfttabfont #1}\nobreak
24664 \cfttabfillnum{#2}}
24665 \fi
24666 }
24667 \renewcommand{\@cftl@subfig}{
24668 \renewcommand*\l@subfigure}[2]{%
24669 \ifnum \c@lofdepth > \toclevel@subfigure
24670 \vskip \cftbeforesubfigskip
24671 {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
24672 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24673 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24674 \parindent \cftsubfigindent\relax\@afterindenttrue
24675 \interlinepenalty\@M
24676 \leavevmode
24677 \@tempdima \cftsubfignumwidth\relax
24678 \let\@cftbsnum \cftsubfigpresnum
24679 \let\@cftasnum \cftsubfigaftersnum
24680 \let\@cftasnumb \cftsubfigaftersnumb
24681 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24682 {\cftsubfigfont ##1}\nobreak
24683 \cftsubfigfillnum{##2}}
24684 \fi
24685 }
24686 }
24687 \renewcommand{\@cftl@subtab}{
24688 \renewcommand*\l@subtable}[2]{%
24689 \ifnum \c@lotdepth > \toclevel@subtable
24690 \vskip \cftbeforesubtabskip
24691 {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
24692 \if@RTL\leftskip\else\righskip\fi \@tocmarg
24693 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24694 \parindent \cftsubtabindent\relax\@afterindenttrue
24695 \interlinepenalty\@M
24696 \leavevmode

```



```

24697 \@tempdima \cftsubtabnumwidth\relax
24698 \let\@cftbsnum \cftsubtabpresnum
24699 \let\@cftasnum \cftsubtabaftersnum
24700 \let\@cftasnumb \cftsubtabaftersnumb
24701 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24702 {\cftsubtabfont ##1}\nobreak
24703 \cftsubtabfillnum{##2}}
24704 \fi
24705 }
24706 }
24707 \renewcommand{\newlistentry}[4][\@empty]{%
24708 \ifundefined{c@#2}{% check & set the counter
24709 \ifx \@empty#1\relax
24710 \newcounter{#2}
24711 \else
24712 \ifundefined{c@#1}{\PackageWarning{tocloft}%
24713 {#1 has no counter for use as a `within'}
24714 \newcounter{#2}}%
24715 {\newcounter{#2}[#1]}%
24716 \expandafter\edef\csname the#2\endcsname{%
24717 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
24718 \fi
24719 \setcounter{#2}{0}
24720 }
24721 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24722
24723 \@namedef{l@#2}##1##2{%
24724 \ifnum \@nameuse{c@#3depth} > #4\relax
24725 \vskip \@nameuse{cftbefore#2skip}
24726 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24727 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24728 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24729 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24730 \interlinepenalty\@M
24731 \leavevmode
24732 \@tempdima \@nameuse{cft#2numwidth}\relax
24733 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24734 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24735 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24736 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\ri
24737 {\@nameuse{cft#2font}##1}\nobreak
24738 \@nameuse{cft#2fillnum}{##2}}
24739 \fi
24740 } % end of l@#2
24741
24742 \expandafter\newlength\csname cftbefore#2skip\endcsname
24743 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24744 \expandafter\newlength\csname cft#2indent\endcsname
24745 \expandafter\newlength\csname cft#2numwidth\endcsname
24746 \ifcase #4\relax % 0
24747 \setlength{\@nameuse{cft#2indent}}{0em}
24748 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24749 \or % 1
24750 \setlength{\@nameuse{cft#2indent}}{1.5em}

```




```

24751 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24752 \or % 2
24753 \setlength{\@nameuse{cft#2indent}}{3.8em}
24754 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24755 \or % 3
24756 \setlength{\@nameuse{cft#2indent}}{7.0em}
24757 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24758 \else % anything else
24759 \setlength{\@nameuse{cft#2indent}}{10.0em}
24760 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24761 \fi
24762 \@namedef{cft#2font}{\normalfont}
24763 \@namedef{cft#2presnum}{}
24764 \@namedef{cft#2aftersnum}{}
24765 \@namedef{cft#2aftersnumb}{}
24766 \@namedef{cft#2dotsep}{\cftdotsep}
24767 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24768 \@namedef{cft#2pagefont}{\normalfont}
24769 \@namedef{cft#2afterpnum}{}
24770 \@namedef{toclevel@#2}{#4}
24771 \@namedef{cft#2fillnum}##1{%
24772 {\@nameuse{cft#2leader}}\nobreak
24773 \hbext@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24774 } % end \newlistentry
24775 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
24776 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24777 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
24778 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
24779 \textit{#1}\protect\par}}}

```

157 File tocbasic-xetex-bidi.def

```

24780 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24781 \bidi@undef\scr@dte@def@l@undottedtocline
24782 \bidi@undef\scr@dte@undottedtocline@init
24783 \DeclareTOCEntryStyle{undottedtocline}[{%
24784 \DefineTOCEntryLengthOption{indent}%
24785 {scr@tso@}{@indent}{entry indent}%
24786 \DefineTOCEntryLengthOption{numwidth}%
24787 {scr@tso@}{@numwidth}{entry number width}%
24788 \@ifundefined{#1tocdepth}{%
24789 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24790 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24791 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24792 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24793 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24794 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24795 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24796 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24797 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24798 \expandafter\let\csname #1tocdepth\expandafter\endcsname
24799 \csname #1numdepth\endcsname
24800 }%
24801 }%

```



```

24802         }%
24803     }%
24804 }%
24805 }%
24806 }%
24807 }%
24808 }%
24809 }-%
24810 \@ifundefined{scr@tso@#1@indent}{%
24811     \@ifundefined{scr@#1@tocindent}{%
24812         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24813             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24814                 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24815                     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24816                         \scr@ifundefinedorrelax{1@chapter}{%
24817                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24818                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24819                                     \Ifstr{#1}{subsubsection}{%
24820                                         \@namedef{scr@tso@#1@indent}{3.8em}%
24821                                     }-%
24822                                         \Ifstr{#1}{paragraph}{%
24823                                             \@namedef{scr@tso@#1@indent}{7em}%
24824                                         }-%
24825                                             \Ifstr{#1}{subparagraph}{%
24826                                                 \@namedef{scr@tso@#1@indent}{10em}%
24827                                             }-%
24828                                         }%
24829                                     }%
24830                                 }%
24831                             }%
24832                         }%
24833                     }-%
24834                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24835                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24836                                 \Ifstr{#1}{subsubsection}{%
24837                                     \@namedef{scr@tso@#1@indent}{7.0em}%
24838                                 }-%
24839                                     \Ifstr{#1}{paragraph}{%
24840                                         \@namedef{scr@tso@#1@indent}{10em}%
24841                                     }-%
24842                                         \Ifstr{#1}{subparagraph}{%
24843                                             \@namedef{scr@tso@#1@indent}{12em}%
24844                                         }-%
24845                                     }%
24846                                 }%
24847                             }%
24848                         }%
24849                     }%
24850                 }%
24851             }%
24852         }%
24853     }%
24854 }-%
24855 }-%

```



```

24856     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24857     }%
24858   }-%
24859 \@ifundefined{scr@tso@#1@numwidth}{%
24860   \@ifundefined{scr@#1@tocnumwidth}{%
24861     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24862     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24863     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24864     \scr@ifundefinedorrelax{chapter}{%
24865     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24866     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24867     \Ifstr{#1}{subsubsection}{%
24868     \@namedef{scr@tso@#1@numwidth}{3.2em}}%
24869     }-%
24870     \Ifstr{#1}{paragraph}{%
24871     \@namedef{scr@tso@#1@numwidth}{4.1em}}%
24872     }-%
24873     \Ifstr{#1}{subparagraph}{%
24874     \@namedef{scr@tso@#1@numwidth}{5em}}%
24875     }-%
24876     }%
24877   }%
24878   }%
24879   }%
24880   }%
24881   }-%
24882   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24883   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24884   \Ifstr{#1}{subsubsection}{%
24885   \@namedef{scr@tso@#1@numwidth}{3.1em}}%
24886   }-%
24887   \Ifstr{#1}{paragraph}{%
24888   \@namedef{scr@tso@#1@numwidth}{5em}}%
24889   }-%
24890   \Ifstr{#1}{subparagraph}{%
24891   \@namedef{scr@tso@#1@numwidth}{6em}}%
24892   }-%
24893   }%
24894   }%
24895   }%
24896   }%
24897   }%
24898   }%
24899   }%
24900   }%
24901   }%
24902   }-%
24903   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24904   }%
24905   }-%
24906 ]]{%
24907 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24908 \ifnum \@nameuse{#1tocdepth}<\@ne
24909   \scr@ifundefinedorrelax{chapter}{%

```



```

24910         \addpenalty\@secpenalty
24911         \addvspace{1.0em \@plus\p@}%
24912     }{%
24913         \addpenalty{-\@highpenalty}%
24914         \vskip 1.0em \@plus\p@
24915     }%
24916 \else
24917     \addpenalty\@secpenalty
24918     \addvspace{1.0em \@plus\p@}%
24919 \fi
24920 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24921 \begingroup
24922     \parindent \z@ \bidi@rightskip \@pnumwidth
24923     \parfillskip -\@pnumwidth
24924     \leavevmode
24925     \bfseries
24926     \advance\bidi@leftskip\@tempdima
24927     \Iftocfeature{\@currentt}{noindent}{%
24928         \hskip -\bidi@leftskip
24929     }{%
24930         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24931         \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24932     }%
24933     ##1%
24934     \nobreak
24935     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24936     \par
24937     \penalty\@highpenalty
24938 \endgroup
24939 \fi
24940 }
24941
24942 \bidi@undef\scr@dte@def@l@targetocline
24943 \bidi@undef\scr@dte@targetocline@init
24944 \DeclareTOCEntryStyle{targetocline}[{%
24945     \DefineTOCEntryLengthOption{indent}%
24946     {scr@tso@}{\@indent}{entry indent}%
24947     \@ifundefined{#1tocdepth}{%
24948         \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24949             \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24950                 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24951                     \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24952                         \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24953                             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24954                                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24955                                     \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24956                                         \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24957                                             \expandafter\let\csname #1tocdepth\expandafter\endcsname
24958                                                 \csname #1numdepth\endcsname
24959                                         }%
24960                                     }%
24961                                 }%
24962                             }%
24963                         }%

```



```

24964     }%
24965     }%
24966     }%
24967     }%
24968   }-%
24969   \@ifundefined{scr@tso@#1@indent}{%
24970     \@ifundefined{scr@#1@tocindent}{%
24971       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24972         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24973           \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24974             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24975               \scr@ifundefinedorrelax{1@chapter}{%
24976                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24977                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24978                     \Ifstr{#1}{subsubsection}{%
24979                       \@namedef{scr@tso@#1@indent}{3.8em}%
24980                     }-%
24981                     \Ifstr{#1}{paragraph}{%
24982                       \@namedef{scr@tso@#1@indent}{7em}%
24983                     }-%
24984                     \Ifstr{#1}{subparagraph}{%
24985                       \@namedef{scr@tso@#1@indent}{10em}%
24986                     }-%
24987                     }%
24988                   }%
24989                 }%
24990               }%
24991             }%
24992           }-%
24993           \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24994             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24995               \Ifstr{#1}{subsubsection}{%
24996                 \@namedef{scr@tso@#1@indent}{7.0em}%
24997               }-%
24998               \Ifstr{#1}{paragraph}{%
24999                 \@namedef{scr@tso@#1@indent}{10em}%
25000               }-%
25001               \Ifstr{#1}{subparagraph}{%
25002                 \@namedef{scr@tso@#1@indent}{12em}%
25003               }-%
25004               }%
25005             }%
25006           }%
25007         }%
25008       }%
25009     }%
25010   }%
25011   }%
25012   }%
25013   }%
25014   }-%
25015   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25016   }%
25017   }-%

```



```

25018 }}{%
25019 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
25020 \ifnum \@nameuse{#1tocdepth}<\@ne
25021 \scr@ifundefinedorrelax{chapter}{%
25022 \addpenalty\@secpenalty
25023 \addvspace{2.25em \@plus\p@}%
25024 }{%
25025 \addpenalty{-\@highpenalty}%
25026 \addvspace{2.25em \@plus\p@}%
25027 }%
25028 \else
25029 \addpenalty\@secpenalty
25030 \addvspace{2.25em \@plus\p@}%
25031 \fi
25032 \setlength\@tempdima{3em}%
25033 \begingroup
25034 \parindent \z@ \bidi@rightskip \@pnumwidth
25035 \parfillskip -\@pnumwidth
25036 \leavevmode
25037 \large
25038 \bfseries
25039 \iftocfeature{\@currentt}{noindent}{%
25040 }{%
25041 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
25042 }%
25043 ##1%
25044 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
25045 \par
25046 \nobreak
25047 \ifnum 0=
25048 \scr@ifundefinedorrelax{chapter}{\ifcompatibility 1\else 0\fi}{1}\relax
25049 \global\@nobreaktrue
25050 \everypar{\global\@nobreakfalse\everypar{}}%
25051 \fi
25052 \endgroup
25053 \fi
25054 }
25055
25056 \renewcommand*\scr@dte@tocline}[3]{%
25057 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
25058 \else
25059 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
25060 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
25061 \@nameuse{Ifscr@tso@#1@dynindent}{%
25062 \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
25063 \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
25064 \else
25065 \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
25066 \@for \reserved@a:=\reserved@a\do {%
25067 \scr@trim@spaces\reserved@a
25068 \ifx\reserved@a\@empty\else
25069 \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
25070 }{%
25071 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%

```



```

25072 \@tempdima \@nameuse{scr@tso@\reserved@a @indent}\relax
25073 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
25074 \scr@ifundefinedorrelax
25075 {scr@dte@\reserved@a @lastmaxnumwidth}{%
25076 \advance\@tempdima
25077 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25078 }{%
25079 \advance\@tempdima
25080 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
25081 }%
25082 }{%
25083 \advance\@tempdima
25084 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25085 }%
25086 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
25087 \expandafter\edef\csname scr@tso@#1@indent\endcsname
25088 {\the\@tempdima}%
25089 \fi
25090 \fi
25091 }%
25092 \fi
25093 }%
25094 \fi
25095 }{}%
25096 {%
25097 \Iftocfeature{\@current}{noindent}{%
25098 \bidi@leftskip \z@
25099 }{%
25100 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
25101 }%
25102 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
25103 \parfillskip -\bidi@rightskip
25104 \@nameuse{Ifscr@tso@#1@raggedpage}{%
25105 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
25106 }{}%
25107 \Iftocfeature{\@current}{noindent}{%
25108 \parindent \z@
25109 }{%
25110 \parindent \@nameuse{scr@tso@#1@indent}\relax
25111 }%
25112 \@afterindenttrue
25113 \interlinepenalty\@M
25114 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
25115 \addtolength\bidi@rightskip\@flushglue
25116 \else
25117 \def\reserved@a{\raggedright}%
25118 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25119 \addtolength\bidi@rightskip\@flushglue
25120 \else
25121 \renewcommand\reserved@a{\raggedright}%
25122 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25123 \addtolength\bidi@rightskip\@flushglue
25124 \fi
25125 \fi

```



```

25126 \fi
25127 \leavevmode
25128 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
25129 \@nameuse{Ifscr@tso@#1@dynamwidth}{-%
25130 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}{-%
25131 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
25132 \tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
25133 \fi
25134 }%
25135 }{-%
25136 \advance\bidil@leftskip \@tempdima
25137 \null\nobreak\hskip -\bidil@leftskip
25138 {%
25139 \usetocbasicnumberline
25140 \let\scr@dte@numberline@box\numberline@box
25141 \def\numberline@box##1{%
25142 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25143 \global\scr@dte@tocline@numberwidth
25144 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
25145 \relax
25146 \ifdim \scr@dte@tocline@numberwidth
25147 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
25148 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
25149 \fi
25150 \@nameuse{Ifscr@tso@#1@dynamwidth}{}{-%
25151 \ifdim \scr@dte@tocline@numberwidth
25152 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
25153 +\@nameuse{scr@tso@#1@numsep}\relax\relax
25154 \PackageWarning{tocbasic}{-%
25155 number width of #1 toc entries should be
25156 increased!\MessageBreak
25157 Currently used number width =
25158 \the\wd\scr@dte@tocline@numbox,\MessageBreak
25159 Wanted number separation
25160 \space\space\space =
25161 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
25162 Reserved number width \space\space\space\space\space =
25163 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
25164 }%
25165 \fi
25166 }%
25167 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25168 \@nameuse{Ifscr@tso@#1@breakafternumber}{-%
25169 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidil@leftskip
25170 }{-%
25171 }%
25172 {\@nameuse{scr@tso@#1@entryformat}{-%
25173 #2%
25174 \nobreak
25175 }%
25176 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
25177 \nobreak
25178 \expandafter\let\expandafter\scr@dte@pagenumberwidth
25179 \csname scr@tso@#1@pagenumberwidth\endcsname

```




```

25180         \@nameuse{scr@tso@#1@pagenumberbox}{%
25181         \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
25182         }%
25183     }%
25184     }}\@par
25185     }%
25186     }%
25187     \tocbasic@SetPenaltyByTOCLevel{#1}%
25188     \fi
25189 }
25190
25191
25192 \bidi@undef\scr@dte@def@l@tocline
25193 \bidi@undef\scr@dte@tocline@init
25194 \DeclareTOCEntryStyle{tocline}[{%
25195     \DefineTOCEntryLengthOption{beforeskip}%
25196     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
25197     \DefineTOCEntryIfOption{breakafternumber}%
25198     {scr@tso@}{@breakafternumber}{line break after number flag}%
25199     \DefineTOCEntryIfOption{dynnumwidth}%
25200     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
25201     \DefineTOCEntryListOption{indentfollows}%
25202     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
25203     \DefineTOCEntryIfOption{dynindent}%
25204     {scr@tso@}{@dynindent}{dynamic indent width flag}%
25205     \DefineTOCEntryCommandOption{entryformat}%
25206     {scr@tso@}{@entryformat}[1]{entry format}%
25207     \DefineTOCEntryCommandOption{entrynumberformat}%
25208     {scr@tso@}{@numberformat}[1]{entry number format}%
25209     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
25210     {scr@tso@}{@linefill}{filling between text and page number}%
25211     \DefineTOCEntryLengthOption{numsep}%
25212     {scr@tso@}{@numsep}{entry number separation}%
25213     \DefineTOCEntryCommandOption{onstarthigherlevel}%
25214     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
25215     \DefineTOCEntryCommandOption{onstartlowerlevel}%
25216     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
25217     \DefineTOCEntryCommandOption{onstartsamelevel}%
25218     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
25219     \DefineTOCEntryCommandOption{pagenumberbox}%
25220     {scr@tso@}{@pagenumberbox}[1]{page number box}%
25221     \DefineTOCEntryCommandOption{pagenumberformat}%
25222     {scr@tso@}{@pagenumberformat}[1]{page number format}%
25223     \DefineTOCEntryLengthOption{pagenumberwidth}%
25224     {scr@tso@}{@pagenumberwidth}{width of page number box}%
25225     \DefineTOCEntryLengthOption{rightindent}%
25226     {scr@tso@}{@rightindent}{entry's text right indent}%
25227     \DefineTOCEntryOption{raggedentrytext}[true]{%
25228     \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
25229     \ifx\FamilyKeyState\FamilyKeyStateProcessed
25230     \if@tempswa
25231     \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25232     \raggedright
25233     \else

```



```

25234         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25235         \relax
25236     \fi
25237 \fi
25238 }%
25239 \DefineTOCEntryIfOption{raggedpagenumber}%
25240     {scr@tso@}{@raggedpage}{page number ragged flag}%
25241 \DefineTOCEntryLengthOption{indent}%
25242     {scr@tso@}{@indent}{entry indent}%
25243 \DefineTOCEntryLengthOption{numwidth}%
25244     {scr@tso@}{@numwidth}{entry number width}%
25245 \scr@ifundefinedorrelax{#1tocdepth}{%
25246     \Ifstrstart{#1}{sub}{%
25247         \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{-%
25248             \expandafter\edef\csname #1tocdepth\endcsname{%
25249                 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25250             }%
25251         }%
25252     }{}%
25253 }{}%
25254 \@ifundefined{#1tocdepth}{%
25255     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25256         \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25257             \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25258                 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25259                     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25260                         \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25261                             \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25262                                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25263                                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
25264                                         \expandafter\let\csname #1tocdepth\expandafter\endcsname
25265                                             \csname #1numdepth\endcsname
25266                                         }%
25267                                     }%
25268                                 }%
25269                             }%
25270                         }%
25271                     }%
25272                 }%
25273             }%
25274         }%
25275     }{}%
25276 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25277     \@ifundefined{scr@#1@tocindent}{%
25278         \Ifstrstart{#1}{sub}{%
25279             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25280                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
25281                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25282                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25283                     \relax
25284                 }%
25285             }%
25286         }{}%
25287         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%

```



```

25288         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25289             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25290             \relax
25291         }%
25292     }{%
25293         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25294             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
25295             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25296             \relax
25297         }%
25298     }%
25299 }{%
25300 }{%
25301 }{%
25302     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25303 }%
25304 }{%
25305 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25306     \Ifstrstart{#1}{sub}{%
25307         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
25308             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25309         }{%
25310             \expandafter\let
25311             \csname scr@tso@#1@pagenumberwidth\endcsname
25312             \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25313         }%
25314     }{%
25315         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
25316     }%
25317 }{%
25318 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25319     \Ifstrstart{#1}{sub}{%
25320         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25321             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25322         }{%
25323             \expandafter\let
25324             \csname scr@tso@#1@rightindent\endcsname
25325             \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25326         }%
25327     }{%
25328         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25329     }%
25330 }{%
25331 \@ifundefined{scr@tso@#1@indent}{%
25332     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25333     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25334     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25335     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25336     \scr@ifundefinedorrelax{l@chapter}{%
25337     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25338     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25339     \Ifstr{#1}{subsubsection}{%
25340     \@namedef{scr@tso@#1@indent}{3.8em}%
25341     }{%

```



```

25342         \Ifstr{#1}{paragraph}{%
25343             \@namedef{scr@tso@#1@indent}{7em}%
25344         }{%
25345             \Ifstr{#1}{subparagraph}{%
25346                 \@namedef{scr@tso@#1@indent}{10em}%
25347             }{%
25348                 }%
25349             }%
25350         }%
25351     }%
25352 }%
25353 }{%
25354     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25355         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25356             \Ifstr{#1}{subsection}{%
25357                 \@namedef{scr@tso@#1@indent}{7.0em}%
25358             }{%
25359                 \Ifstr{#1}{paragraph}{%
25360                     \@namedef{scr@tso@#1@indent}{10em}%
25361                 }{%
25362                     \Ifstr{#1}{subparagraph}{%
25363                         \@namedef{scr@tso@#1@indent}{12em}%
25364                     }{%
25365                         }%
25366                     }%
25367                 }%
25368             }%
25369         }%
25370     }%
25371 }%
25372 }%
25373 }%
25374 }%
25375 }{%
25376 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25377     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25378         \Ifstrstart{#1}{sub}{%
25379             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
25380             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25381                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25382                 +.9em%
25383             }%
25384             \relax
25385         }%
25386     }{%
25387         \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25388     }%
25389 }%
25390 }{%
25391 \@ifundefined{scr@tso@#1@numwidth}{%
25392     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25393     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25394     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25395     \scr@ifundefinedorrelax{chapter}{%

```



```

25396 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25397 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25398 \Ifstr{#1}{subsubsection}{%
25399 \@namedef{scr@tso@#1@numwidth}{3.2em}%
25400 }{%
25401 \Ifstr{#1}{paragraph}{%
25402 \@namedef{scr@tso@#1@numwidth}{4.1em}%
25403 }{%
25404 \Ifstr{#1}{subparagraph}{%
25405 \@namedef{scr@tso@#1@numwidth}{5em}%
25406 }{%
25407 }%
25408 }%
25409 }%
25410 }%
25411 }%
25412 }{%
25413 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25414 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25415 \Ifstr{#1}{subsubsection}{%
25416 \@namedef{scr@tso@#1@numwidth}{3.1em}%
25417 }{%
25418 \Ifstr{#1}{paragraph}{%
25419 \@namedef{scr@tso@#1@numwidth}{5em}%
25420 }{%
25421 \Ifstr{#1}{subparagraph}{%
25422 \@namedef{scr@tso@#1@numwidth}{6em}%
25423 }{%
25424 }%
25425 }%
25426 }%
25427 }%
25428 }%
25429 }%
25430 }%
25431 }%
25432 }%
25433 }{%
25434 \expandafter\renewcommand%
25435 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25436 \expandafter\renewcommand%
25437 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25438 \expandafter\renewcommand%
25439 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25440 \@ifundefined{scr@tso@#1@beforeskip}{%
25441 \Ifstr{#1}{part}{%
25442 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
25443 }{%
25444 \Ifstr{#1}{chapter}{%
25445 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25446 }{%
25447 \Ifstr{#1}{section}{%
25448 \scr@ifundefinedorrelax{1@chapter}{%
25449 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%

```



```

25450         }{}%
25451     }{}%
25452     }%
25453 }%
25454     \expandafter\renewcommand\expandafter*%
25455     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25456 }{}%
25457 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25458     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25459     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25460 }{}%
25461 \renewcommand*{\scr@dte@donumwidth}{%
25462     \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25463 \expandafter\renewcommand\expandafter*%
25464 \csname scr@tso@#1@numsep\endcsname{.4em}%
25465 \expandafter\renewcommand%
25466 \csname scr@tso@#1@numberformat\endcsname [1]{##1}%
25467 \Ifstr{#1}{part}{%
25468     \expandafter\providecommand%
25469     \csname scr@tso@#1@entryformat\endcsname [1]{\large\bfseries ##1}%
25470 }{%
25471     \Ifstr{#1}{chapter}{%
25472         \expandafter\providecommand%
25473         \csname scr@tso@#1@entryformat\endcsname [1]{\bfseries ##1}%
25474     }{%
25475         \scr@ifundefinedorrelax{1@chapter}{%
25476             \Ifstr{#1}{section}{%
25477                 \expandafter\providecommand%
25478                 \csname scr@tso@#1@entryformat\endcsname [1]{\bfseries ##1}%
25479             }{}%
25480         }{}%
25481         \expandafter\providecommand%
25482         \csname scr@tso@#1@entryformat\endcsname [1]{##1}%
25483     }%
25484 }%
25485 \expandafter\renewcommand
25486 \csname Ifscr@tso@#1@breakafternumber\endcsname [2]{##2}%
25487 \@ifundefined{scr@tso@#1@linefill}{%
25488     \Ifstr{#1}{part}{%
25489         \@namedef{scr@tso@#1@linefill}{\hfill}%
25490     }{%
25491         \Ifstr{#1}{chapter}{%
25492             \@namedef{scr@tso@#1@linefill}{\hfill}%
25493         }{%
25494             \scr@ifundefinedorrelax{1@chapter}{%
25495                 \Ifstr{#1}{section}{%
25496                     \@namedef{scr@tso@#1@linefill}{\hfill}%
25497                 }{}%
25498             }{}%
25499             \expandafter\renewcommand%
25500             \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25501         }%
25502     }%
25503 }{}%

```



```

25504 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
25505 \Ifstr{#1}{part}{%
25506   \expandafter\providecommand%
25507   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
25508 }{%
25509   \Ifstr{#1}{chapter}{%
25510     \expandafter\providecommand%
25511     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25512   }{%
25513     \scr@ifundefinedorrelax{1@chapter}{%
25514       \Ifstr{#1}{section}{%
25515         \expandafter\providecommand%
25516         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25517       }{}%
25518     }{}%
25519     \expandafter\providecommand%
25520     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
25521       {\normalfont\normalcolor ##1}}%
25522   }%
25523 }%
25524 \expandafter\renewcommand%
25525 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
25526   \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
25527 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
25528 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
25529 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25530   \Ifstrstart{#1}{sub}{%
25531     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25532       \scr@dte@nosub{#1}}%
25533   }%
25534 }{%
25535   \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25536 }%
25537 }{}%
25538 }]]{%
25539   \scr@dte@tocline{#1}{##1}{##2}%
25540 }
25541
25542 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25543   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25544     {\normalfont\normalcolor #1}%
25545   }%
25546 }{}
25547
25548 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25549   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25550     {\normalfont\normalcolor #1}%
25551   }%
25552 }{}
25553

```

158 File tocstyle-xetex-bidi.def

25554 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]



```

25555 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25556   \let\numberline\tocstyle@numberline
25557   \ifnum #1>\c@tocdepth \else
25558     \if@tocstyle@penalties
25559       \beginingroup
25560         \@tempcnta 20010
25561         \advance \@tempcnta by -#1
25562         \ifnum \@tempcnta>\lastpenalty
25563           \aftergroup\penalty\aftergroup\@lowpenalty
25564         \fi
25565       \endgroup
25566     \fi
25567     \edef\tocstyledepth{#1}%
25568     \tocstyle@activate@features
25569     \ifx\tocstyle@feature@entryvskip\relax
25570       \vskip \z@ \@plus.2\p@
25571     \else
25572       \addvspace{\tocstyle@feature@entryvskip}%
25573     \fi
25574   {%
25575     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
25576     \tocstyle@feature@raggedhook
25577     \@tempdima #3\relax
25578     \@tempdimb #2\relax
25579     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25580     \ifnum #1>\z@\relax
25581       \@tempcnta #1\relax \advance\@tempcnta \m@ne
25582       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25583         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25584           \@tempdimb
25585           \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25586           \advance\@tempdimb
25587           \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25588         \fi
25589       \fi
25590     \fi
25591     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25592     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25593       \ifdim \@tempdimb>
25594         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25595         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25596           @#1\endcsname{\the\@tempdimb}%
25597       \fi
25598     \else
25599       \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25600         @#1\endcsname{\the\@tempdimb}%
25601     \fi
25602     \iftocstyle@autolength
25603       \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25604         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25605         \relax
25606       \fi
25607       \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25608         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname

```




```

25609         \relax
25610     \fi
25611     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25612     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25613 \else
25614     \@tempdimb #2\relax
25615     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25616 \fi
25617 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25618     \ifdim \@tempdima>
25619         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25620         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25621             @\endcsname{\the\@tempdima}%
25622     \fi
25623 \else
25624     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25625         @\endcsname{\the\@tempdima}%
25626 \fi
25627 \ifcase\tocstyle@indentstyle\relax\else
25628     \@tempdimb \z@
25629     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25630         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25631     \relax
25632 \fi
25633     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25634     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25635 \fi
25636 \advance\parindent \@tempdimb\@afterindenttrue
25637 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
25638 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
25639 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
25640 \ifx\tocstyle@feature@parfillskip\relax\else
25641     \advance\parfillskip \tocstyle@feature@parfillskip\relax
25642 \fi
25643 \interlinepenalty\@M
25644 \leavevmode
25645 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
25646 \null\nobreak
25647 \iftocstyle@indentnotnumbered\else
25648     \hspace -\if@RTL\rightskip\else\leftskip\fi
25649 \fi
25650 \tocstyle@feature@entryhook
25651 {#4}\nobreak
25652 \ifx\tocstyle@feature@leaders\relax
25653     \leaders\hbox{${\m@th
25654         \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
25655         \mkern \@dotsep mu$}\hfill
25656 \else
25657     \tocstyle@feature@leaders
25658 \fi
25659 \nobreak
25660 \ifx\tocstyle@feature@pagenumberbox\relax
25661     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25662 \else

```



```

25663     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25664     \fi
25665     \par
25666   }%
25667   \if@tocstyle@penalties
25668     \bgroup
25669     \@tempcnta 20009
25670     \advance\@tempcnta by -#1
25671     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25672     \reserved@a
25673     \fi
25674   \fi}
25675 \renewcommand*{\tocstyle@numberline}[1]{%
25676   \begingroup
25677     \ifx\tocstyle@feature@spaceafternumber\relax
25678       \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
25679     \else
25680       \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
25681       \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25682     \fi
25683     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25684       \ifdim \@tempdima >
25685         \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25686         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25687           @\tocstyledepth\endcsname{\the\@tempdima}%
25688       \fi
25689     \else
25690       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25691         @\tocstyledepth\endcsname{\the\@tempdima}%
25692     \fi
25693   \endgroup
25694   \iftocstyle@indentnotnumbered
25695     \hskip -\if@RTL\rightskip\else\leftskip\fi
25696   \fi
25697   \ifcase \tocstyle@indentstyle
25698     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
25699   \or
25700     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
25701   \else
25702     \ifx\tocstyle@feature@spaceafternumber\relax
25703       \hbox{\tocstyle@@numberline{#1}\enskip}%
25704     \else
25705       \hbox{\tocstyle@@numberline{#1}\hskip
25706         \tocstyle@feature@spaceafternumber\relax}%
25707     \fi
25708   \fi
25709 }
25710 \AtBeginDocument{%
25711   \ifcsname l@part\endcsname
25712     \ifcsname l@chapter\endcsname
25713       \setbox\@tempboxa\vbox{\hsize\maxdimen
25714         \l@part{\tocstyle@l@define{part}{-1}}{}}%
25715     \else
25716       \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

25717         \l@part{\tocstyle@l@define{part}{0}}{}}%
25718     \fi
25719 \fi
25720 \ifcsname l@chapter\endcsname
25721     \setbox\@tempboxa\vbox{\hsize\maxdimen
25722         \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25723 \fi
25724 \ifcsname l@section\endcsname
25725     \setbox\@tempboxa\vbox{\hsize\maxdimen
25726         \l@section{\tocstyle@l@define{section}{1}}{}}%
25727 \fi
25728 \ifcsname l@subsection\endcsname
25729     \setbox\@tempboxa\vbox{\hsize\maxdimen
25730         \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25731 \fi
25732 \ifcsname l@subsubsection\endcsname
25733     \setbox\@tempboxa\vbox{\hsize\maxdimen
25734         \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25735 \fi
25736 \ifcsname l@paragraph\endcsname
25737     \setbox\@tempboxa\vbox{\hsize\maxdimen
25738         \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25739 \fi
25740 \ifcsname l@subparagraph\endcsname
25741     \setbox\@tempboxa\vbox{\hsize\maxdimen
25742         \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25743 \fi
25744 \ifcsname l@table\endcsname
25745     \setbox\@tempboxa\vbox{\hsize\maxdimen
25746         \l@table{\tocstyle@l@define{table}{1}}{}}%
25747 \fi
25748 \ifcsname l@figure\endcsname
25749     \setbox\@tempboxa\vbox{\hsize\maxdimen
25750         \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25751 \fi
25752 \def\@tempa#1#2#3#4#5{%
25753     \ifnum #1>\c@tocdepth \else
25754         \vskip \z@ \@plus.2\p@
25755         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toc
25756         \parindent #2\relax\@afterindenttrue
25757         \interlinepenalty\@M
25758         \leavevmode
25759         \@tempdima #3\relax
25760         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\
25761         {#4}\nobreak
25762         \leaders\hbox{$\m@th
25763             \mkern \dotsep mu\hbox{.}\mkern \dotsep
25764             mu$}\hfill
25765         \nobreak
25766         \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25767     \par}%
25768 \fi}%
25769 \ifx\@dottedtocline\@tempa\else
25770     \tocstyle@macrochangewarning\@dottedtocline

```



```

25771 \fi
25772 \let\tocstyle@saved@dottedtocline@dottedtocline
25773 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25774 \ifx\numberline\@tempa\else
25775 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25776 \ifx\numberline\@tempa\else
25777 \tocstyle@macrochangewarning\numberline
25778 \fi
25779 \fi
25780 \let\tocstyle@saved@numberline\numberline
25781 }
25782 \renewcommand*\@tocstyle@l@define}[2]{%
25783 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
25784 \edef\@tempa{%
25785 \noexpand\global\noexpand\let
25786 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25787 \expandafter\noexpand\csname l@#1\endcsname
25788 \noexpand\gdef
25789 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25790 \noexpand@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}
25791 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@%
25792 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25793 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25794 }%
25795 }%
25796 \PackageInfo{tocstyle}{prepare \expandafter\string
25797 \csname l@#1\endcsname\space for redefinition}%
25798 \@tempa
25799 }

```

159 File todonotes-xetex-bidi.def

```

25800 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes pack
25801 \newif\if@bidi@todonotes@textdirection@RTL
25802 \newif\if@bidi@todonotes@figposition@right
25803 \newcommand{\@bidi@todonotes@align}{}%
25804 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25805 \newcommand{\@bidi@todonotes@textdirection}{}%
25806 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{rig
25807 \ifcase\@bidi@todonotes@tempb\relax
25808 \@bidi@todonotes@textdirection@RTLtrue
25809 \let\@bidi@todonotes@textdirection\RLE
25810 \or
25811 \@bidi@todonotes@textdirection@RTLfalse
25812 \let\@bidi@todonotes@textdirection\LRE
25813 \fi}
25814 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right
25815 \ifcase\@bidi@todonotes@tempb\relax
25816 \@bidi@todonotes@figposition@righttrue
25817 \or
25818 \@bidi@todonotes@figposition@rightfalse
25819 \fi}
25820 \if@todonotes@disabled%
25821 \else % \if@todonotes@disabled

```



```

25822 \renewcommand{\@todonotes@drawInlineNote}{%
25823   \if@todonotes@dviStyle%
25824     {\par\noindent\begin{tikzpicture}[remember picture]%
25825       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25826     \if@todonotes@authorgiven%
25827       {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25828     \else%
25829       {\noindent \@todonotes@sizecommand \@todonotes@text}%
25830     \fi
25831     {\par\noindent\begin{tikzpicture}[remember picture]%
25832       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25833   \else%
25834     {\par\noindent\begin{tikzpicture}[remember picture]%
25835       \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25836       \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
25837         \if@todonotes@authorgiven%
25838           {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@tex
25839         \else%
25840           {\noindent \@todonotes@sizecommand \@todonotes@text}%
25841         \fi};%
25842       \end{tikzpicture}\par}%
25843   \fi}%
25844 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25845 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25846   \node [coordinate] (inText) {};%
25847 \end{tikzpicture}%
25848 \marginpar[{}]{% Draw note in left margin
25849   \@todonotes@drawMarginNote%
25850   \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25851 }]{% Draw note in right margin
25852   \@todonotes@drawMarginNote%
25853   \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25854 }%
25855 }%
25856 \renewcommand{\@todonotes@drawMarginNote}{%
25857 \if@todonotes@dviStyle%
25858   \begin{tikzpicture}[remember picture]%
25859     \draw node[notestyle] {};%
25860   \end{tikzpicture}\\%
25861   \begin{minipage}{\@todonotes@textwidth}%
25862     \if@todonotes@authorgiven%
25863       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25864     \else%
25865       \@todonotes@sizecommand \@todonotes@text%
25866     \fi%
25867   \end{minipage}\\%
25868   \begin{tikzpicture}[remember picture]%
25869     \draw node[notestyle] (inNote) {};%
25870   \end{tikzpicture}%
25871 \else%
25872   \let\originalHbadness\hbadness%
25873   \hbadness 100000%
25874   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25875     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%

```



```

25876     \node(X){\vphantom{X}};%
25877     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonot
25878           {\@todonotes@text};%
25879     \if@todonotes@authorgiven%
25880         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@tod
25881           {\@todonotes@sizecommand\@todonotes@author}};%
25882     \node(Y)[below=of X]{};%
25883     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@tod
25884           {\@todonotes@text}};%
25885     \else%
25886         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@tod
25887           {\@todonotes@text}};%
25888     \fi%
25889 \end{tikzpicture}%
25890 \hbadness \originalHbadness%
25891 \fi}%
25892 \renewcommand{\missingfigure}[2] [] {%
25893 \setkeys{todonotes}{#1}%
25894 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25895 \par
25896 \noindent
25897 \begin{tikzpicture}
25898 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25899     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25900 \if@bidi@todonotes@figposition@right%
25901 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25902 \fi%
25903 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25904     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25905 \if@bidi@todonotes@figposition@right%
25906 \end{scope}
25907 \begin{scope}[xshift=-3.8cm]
25908 \fi%
25909 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25910 \draw (2, -0.3) node[right, text
25911     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25912 \if@bidi@todonotes@figposition@right%
25913 \end{scope}
25914 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25915 \fi%
25916 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonot
25917 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonot
25918 \if@bidi@todonotes@figposition@right%
25919 \end{scope}
25920 \fi%
25921 \end{tikzpicture}\hfill
25922 }% Ending \missingfigure command
25923 \fi % Ending \@todonotes@ifdisabled
25924 \presetkeys%
25925     {todonotes}%
25926     {align=left,%
25927     textdirection=lefttoright,%
25928     figposition=left}{}%

```



160 File wrapfig-xetex-bidi.def

```
25929 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
25930 \let\WF@everypar\ bidi@n@everypar
25931 \def\WF@putfigmaybe{%
25932 \ifinner
25933 \vskip-\parskip \global\WF@floatfalse
25934 \let\pagetotal\maxdimen % kludge flag for "not top of page"
25935 \else % outer page
25936 \@tempdima\pagedepth % save page depth
25937 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25938 \penalty\interlinepenalty % update pg. parameters
25939 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25940 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
25941 \global\WF@floatfalse
25942 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25943 \else
25944 \ifdim\WF@size>\@tempdimb
25945 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25946 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
25947 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
25948 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
25949 \advance\dimen@.5\baselineskip
25950 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
25951 \global\WF@floatfalse \pagebreak
25952 \fi
25953 \else % \WF@info{Fits in \the\@tempdimb;}%
25954 \global\WF@floatfalse
25955 \fi\fi
25956 \vskip\@tempdima\relax % (return erased page depth)
25957 \fi
25958 \noindent
25959 \ifWF@float
25960 \WF@fltmes
25961 \else % putting here;
25962 \WF@info{Put \WF@wfname here:}%
25963 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
25964 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
25965 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25966 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
25967 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25968 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25969 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25970 \xdef\WF@adjlw{\the\@tempdima}%
25971 \ifnum `l=\WF@place % fig on left
25972 \ifRTL%
25973 \kern\@tempdimb \kern\columnsep
25974 \def\@tempa{\hss}% position to left of the gap
25975 \else%
25976 \hss % figure overlaps space to the left
25977 \def\@tempa{\kern\columnsep}% position to left of the gap
25978 \fi%
25979 \else % fig on right
25980 \ifRTL%
```



```

25981 \hss
25982 \@tempdima\z@
25983 \def\@tempa{\kern\columnsep}
25984 \else%
25985 \@tempdima\z@ % no left indentation
25986 \kern\@tempdimb \kern\columnsep
25987 \def\@tempa{\hss}% figure overlaps space to the right
25988 \fi%
25989 \fi
25990 \ifdim\@tempdimb<\hspace
25991 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
25992 \xdef\WF@adjtlm{\the\@tempdima}%
25993 \else
25994 \xdef\WF@wrapil{\z@ \the\hspace}%
25995 \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
25996 \fi
25997 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
25998 \global\advance\WF@size-\intextsep
25999 \else % \WF@info{Putting \WF@wfname in middle of page}%
26000 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
26001 \fi \dp\WF@box\z@ \box\WF@box \@tempa
26002 }% end \hbox to Opt
26003 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
26004 \fi}

```

161 File xcolor-xetex-bidi.def

```

26005 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
26006 \long\def\color@b@x#1#2#3%
26007 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
26008 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}
26009 \dimen@ht\z@\advance\dimen@fbboxsep\ht\z@\dimen@
26010 \dimen@dp\z@\advance\dimen@fbboxsep\dp\z@\dimen@
26011 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
26012 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
26013 \DeclareRobustCommand\color
26014 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor
26015 \def\@undeclaredcolor[#1]#2%
26016 {\begingroup
26017 \let\@cls\@empty
26018 \XC@getmodclr12{#1}{#2}{}%
26019 {\ifblendcolors
26020 \ifx\colorblend\@empty\else
26021 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
26022 \XC@coremodel\@mod\@clr\@xcolor@{}{\}\@mod\@clr
26023 \fi
26024 \fi
26025 \ifconvertcolorsU
26026 \edef\@tmp{\XC@tgt@mod{\@mod}}%
26027 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26028 \fi
26029 \ifmaskcolors
26030 \convertcolorspec\@mod\@clr\XC@mmod\@clr
26031 \let\@mod\XC@mmod

```




```

26032 \XC@inflate\@mod\XC@mclr\@clr\@tmp
26033 \expandafter\XC@mul\@tmp,\@clr
26034 \fi
26035 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
26036 \expandafter\endgroup\@tmp}}
26037 \def\@declaredcolor#1%
26038 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26039 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26040 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26041 \ifconvertcolorsU\XC@tsttrue\fi
26042 \fi
26043 \ifXC@tst
26044 \expandafter\XC@declaredcolor\else
26045 \expandafter\XC@declaredcolor\fi}
26046 \def\XC@undeclaredcolor#1#2%
26047 {\@ifundefinedmodel{#1}%
26048 {\color@error{model `#1'}}%
26049 {\@nameuse{color@#1}\current@color{#2}%
26050 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
26051 \XC@display}\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26052 \def\XC@declaredcolor
26053 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
26054 \edef\current@color{\XC@current@color}%
26055 \XC@display\ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26056 \DeclareRobustCommand\bidicolor
26057 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
26058 \def\@bidiundeclaredcolor[#1]#2%
26059 {\begingroup
26060 \let\@cls\@empty
26061 \XC@getmodclr12{#1}{#2}{}%
26062 {\ifblendcolors
26063 \ifx\colorblend\@empty\else
26064 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
26065 \XC@coremodel\@mod\@clr\@xcolor@}{\@mod\@clr
26066 \fi
26067 \fi
26068 \ifconvertcolorsU
26069 \edef\@tmp{\XC@tgtmod{\@mod}}%
26070 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26071 \fi
26072 \ifmaskcolors
26073 \convertcolorspec\@mod\@clr\XC@mmod\@clr
26074 \let\@mod\XC@mmod
26075 \XC@inflate\@mod\XC@mclr\@clr\@tmp
26076 \expandafter\XC@mul\@tmp,\@clr
26077 \fi
26078 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
26079 \expandafter\endgroup\@tmp}}
26080 \def\XC@bidiundeclaredcolor#1#2%
26081 {\@ifundefinedmodel{#1}%
26082 {\color@error{model `#1'}}%
26083 {\@nameuse{color@#1}\current@color{#2}%
26084 \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
26085 \XC@display}}

```



```

26086 \def\@bidideclaredcolor#1%
26087  {\XC@edef\XC@tmp{#1}\XC@tstfalse
26088   \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26089    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26090    \ifconvertcolorsU\XC@tsttrue\fi
26091   \fi
26092   \ifXC@tst
26093    \expandafter\XC@bidideclaredcolor\else
26094    \expandafter\XC@bidideclaredc@lor\fi}
26095 \def\XC@bidideclaredcolor
26096  {\XC@split\XC@tmp
26097   \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
26098   \expandafter\endgroup\@tmp}
26099 \def\XC@bidideclaredc@lor
26100  {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
26101   \edef\current@color{\XC@current@color}%
26102   \XC@display}
26103 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
26104 \def\color@fbox#1#2#3#4{\protect\color@fb@x{#1}{#2}{#3}}
26105 \def\color@fb@x#1#2#3#4%
26106  {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
26107   {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
26108 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

162 File latex-xetex-bidi.def

```

26109 \ProvidesFile{latex-xetex-bidi.def}[2024/12/08 v1.5.1 bidi adaptations for `latex.ltx' for
26110 \newcommand{\TeXXeTOn}{\TeXXeTstate\@ne}
26111 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
26112 \TeXXeTOn
26113 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\useb
26114   \let\bidi@o@everypar=\everypar
26115   \newtoks\bidi@n@everypar
26116   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
26117   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
26118   \let\everypar=\bidi@n@everypar
26119 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
26120 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
26121 \protected\def\hboxR{\hbox\bgroup
26122   \everyhbox{%
26123     \aftergroup\egroup
26124     \everyhbox{}}%
26125   \beginR
26126   \@hboxRconstructtrue
26127   \bgroup
26128   \aftergroup\endR
26129   \aftergroup\egroup
26130   }\hbox}
26131 \protected\def\hboxL{\hbox\bgroup
26132   \everyhbox{%
26133     \aftergroup\egroup
26134     \everyhbox{}}%
26135   \beginL
26136   \@hboxRconstructfalse

```



```

26137 \bgroup
26138 \aftergroup\endL
26139 \aftergroup\egroup
26140 }\hbox}
26141 \protected\def\vboxR{\vbox\bgroup
26142 \everyvbox{%
26143 \aftergroup\egroup
26144 \everyvbox{}}%
26145 \@RTLtrue
26146 \@RTLtabtrue
26147 \bgroup
26148 \aftergroup\egroup
26149 }\vbox}
26150 \protected\def\vboxL{\vbox\bgroup
26151 \everyvbox{%
26152 \aftergroup\egroup
26153 \everyvbox{}}%
26154 \@RTLfalse
26155 \@RTLtabfalse
26156 \bgroup
26157 \aftergroup\egroup
26158 }\vbox}
26159 \newcommand*\bidi@leftskip{\if@RTL\rightskip\else\leftskip\fi}
26160 \newcommand*\bidi@rightskip{\if@RTL\leftskip\else\rightskip\fi}
26161 \def\LTR{\par@RTLfalse@RTL@footnotefalse@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@be
26162 \def\endLTR{\par}
26163 \newenvironment{LTR*}{\LTR
26164 \everypar{%
26165 {\setbox\z@\lastbox
26166 \ifvoid\z@
26167 \kern-\parindent
26168 \fi}%
26169 }%
26170 }{\endLTR\@endpetrue}
26171 \def\RTL{\par@RTLtrue@RTL@footnotetrue@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beame
26172 \def\endRTL{\par}
26173 \newenvironment{RTL*}{\RTL
26174 \everypar{%
26175 {\setbox\z@\lastbox
26176 \ifvoid\z@
26177 \kern-\parindent
26178 \fi}%
26179 }%
26180 }{\endRTL\@endpetrue}
26181 \def\setRTL{\@RTLtrue@RTL@footnotetrue@RTLtabtrue\bidi@beamer@ragged}
26182 \def\setLTR{\@RTLfalse@RTL@footnotefalse@RTLtabfalse\bidi@beamer@ragged}
26183 \let\unsetRTL=\setLTR
26184 \let\unsetLTR=\setRTL
26185 \let\LR=\LRE
26186 \let\RL=\RLE
26187 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
26188 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
26189 \let\@ensure@RL=\@ensure@RTL
26190 \let\@ensure@LR=\@ensure@LTR

```



```

26191 \def\@ensure@dir#1{\if@RTL\RL{#1}\else{#1}\fi}
26192 \let\@ensure@maindir=\@ensure@dir
26193 \def\@RTL{RTL}
26194 \def\@LTR{LTR}
26195 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
26196 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
26197 \let\@TeX\TeX
26198 \def\TeX{\@ensure@LTR{\@TeX}}
26199 \let\@LaTeX\LaTeX
26200 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
26201 \let\@LaTeXe\LaTeXe
26202 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
26203 \long\def\@bidi@reflect@box#1{%
26204   \leavevmode
26205   \setbox\z@\hbox{#1}}%
26206   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
26207   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}}%
26208 }
26209 \if@bidi@csundef{XeTeX}{%
26210 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26211   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}%
26212 }{%
26213 \let\@bidi@orig@XeTeX\XeTeX
26214 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
26215 }
26216 \if@bidi@csundef{XeLaTeX}{%
26217 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26218   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}%
26219 }{%
26220 \let\@bidi@orig@XeLaTeX\XeLaTeX
26221 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
26222 }
26223 \let\setRL=\setRTL
26224 \let\setLR=\setLTR
26225 \let\unsetRL=\setLTR
26226 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
26227 \@ifpackageloaded{array}{%
26228 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26229   \leavevmode
26230   \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
26231     \let\d@llarend\end\group
26232   \@tabarray}
26233 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26234 }{%
26235 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26236   \leavevmode \hbox \bgroup
26237   $\left.\let\@acol\@tabacol
26238   \let\@classz\@tabclassz
26239   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26240
26241 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26242   \egroup\right\rbrace $\egroup}}
26243 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26244   \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,\right)}

```



```

26245 \renewenvironment{RTLcases}{%
26246   \bidi@matrix@check\RTLcases\env@RTLcases
26247 }{%
26248   \endbidi@tabular@RTLcases%
26249 }
26250 \def\env@RTLcases{%
26251   \let@ifnextchar\bidi@new@ifnextchar
26252   \def\arraystretch{1.2}%
26253   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
26254 }
26255 \def\SepMark#1{\gdef\SepMark{#1}}
26256 \SepMark{.}
26257 \def\@thmcountersep{\@SepMark}
26258 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
26259 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
26260 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
26261 \newcommand*\bidi@thebibliography@font@hook{}
26262 \def\list#1#2{%
26263   \ifnum \@listdepth >5\relax
26264     \@toodeep
26265   \else
26266     \global\advance\@listdepth\@ne
26267     \fi
26268     \rightmargin\z@
26269     \listparindent\z@
26270     \itemindent\z@
26271     \csname @list\romannumeral\the\@listdepth\endcsname
26272     \def\@itemlabel{#1}%
26273     \let\makelabel\@mklab
26274     \@nbrlistfalse
26275     #2\relax
26276     \@trivlist
26277     \parskip\parsep
26278     \parindent\listparindent
26279     \advance\linewidth -\rightmargin
26280     \advance\linewidth -\leftmargin
26281     \if@bidi@list@minipage@parbox
26282       \if@RTL
26283         \advance\@totalleftmargin \leftmargin
26284       \else
26285         \advance\@totalleftmargin \rightmargin
26286       \fi
26287     \else
26288       \if@hboxRconstruct
26289         \if@bidi@list@minipage@parbox@not@nob
26290         \if@RTL
26291           \advance\@totalleftmargin \rightmargin
26292         \else
26293           \advance\@totalleftmargin \leftmargin
26294         \fi
26295       \else
26296         \if@RTL
26297           \advance\@totalleftmargin \leftmargin
26298         \else

```



```

26299 \advance\@totalleftmargin \rightmargin
26300 \fi\fi
26301 \else
26302 \if@RTL
26303 \advance\@totalleftmargin \rightmargin
26304 \else
26305 \advance\@totalleftmargin \leftmargin
26306 \fi\fi\fi
26307 \parshape \@ne \@totalleftmargin \linewidth
26308 \ignorespaces}
26309 \long\def\@iiparbox#1#2[#3]#4#5{%
26310 \leavevmode
26311 \@pboxswfalse
26312 \if@hboxRconstruct
26313 \@bidi@list@minipage@parbox@not@nobtrue
26314 \fi
26315 \if@RTL
26316 \ifx#1t%
26317 \@bidi@list@minipage@parboxtrue
26318 \else
26319 \ifx#1b%
26320 \@bidi@list@minipage@parboxtrue
26321 \fi
26322 \fi
26323 \fi
26324 \setlength\@tempdima{#4}%
26325 \@begin@tempboxa\ vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
26326 \ifx\relax#2\else
26327 \setlength\@tempdimb{#2}%
26328 \edef\@parboxto{to\the\@tempdimb}%
26329 \fi
26330 \if#1b\vbox
26331 \else\if #1t\ vtop
26332 \else\ifmode\ vcenter
26333 \else\@pboxswtrue $\vcenter
26334 \fi\fi\fi
26335 \@parboxto{\let\hss\vss\let\unhbox\unvbox
26336 \csname bm@#3\endcsname}%
26337 \if@pboxsw \m@th$\fi
26338 \@end@tempboxa}
26339 \newenvironment{LTRitems}
26340 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
26341 \if@bidi@list@minipage@parbox
26342 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26343 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26344 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26345 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26346 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26347 \ignorespaces}{\vskip\z@}
26348 \newenvironment{RTLitems}
26349 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged
26350 \if@bidi@list@minipage@parbox
26351 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26352 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob

```



```

26353         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26354         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26355         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26356         \ignorespaces}{\vskip\z@}
26357 \newenvironment{LTRbibitems}
26358     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26359     \if@bidi@list@minipage@parbox
26360     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26361     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26362     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26363     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26364     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26365     \ignorespaces}{\vskip\z@}
26366 \newenvironment{RTLbibitems}
26367     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26368     \if@bidi@list@minipage@parbox
26369     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26370     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26371     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26372     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26373     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26374     \ignorespaces}{\vskip\z@}
26375 \def\raggedright{%
26376     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26377     \leftskip\z@skip
26378     \parindent\z@\parfillskip\z@skip}
26379 \let\bidi@orig@raggedleft\raggedleft
26380 \let\bidi@orig@raggedright\raggedright
26381 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRc
26382 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRc
26383 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26384 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26385 \DeclareRobustCommand\centerline[1]{%
26386 \if@RTL\@@line{\hss\beginR#1\endR\hss}
26387 \else\@@line{\hss#1\hss}\fi}
26388 \def\bidi@orig@leftline#1{%
26389 \if@RTL\@@line{\beginR#1\endR\hss}
26390 \else\@@line{#1\hss}\fi}
26391 \def\bidi@orig@rightline#1{%
26392 \if@RTL\@@line{\hss\beginR#1\endR}
26393 \else\@@line{\hss#1}\fi}
26394 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@le
26395 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@ri
26396 \DeclareRobustCommand\bidirlap[1]{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
26397 \DeclareRobustCommand\bidillap[1]{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
26398 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
26399     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26400 \def\narrower{%
26401     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
26402     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
26403 \DeclareRobustCommand\underline[1]{%
26404     \relax
26405     \ifmmode\@@underline{#1}%
26406     \else

```



```

26407 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26408 \else
26409 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26410 \if@compatibility
26411 \let\undertext=\underline
26412 \fi
26413 \def\@tabular{%
26414 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
26415 $\let\@acol\@tabacol
26416 \let\@classz\@tabclassz
26417 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26418 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
26419 \egroup $\if@RTLtab\endR\fi\egroup}
26420 \expandafter \let \csname endtabular*\endcsname = \endtabular
26421 \def\@array[#1]#2{%
26422 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26423 \bgroup
26424 \setbox\@arstrutbox\hbox{%
26425 \vrule \@height\arraystretch\ht\strutbox
26426 \@depth\arraystretch \dp\strutbox
26427 \@width\z@}%
26428 \@mkpream{#2}%
26429 \edef\@preamble{%
26430 \ialign \noexpand\@halignto
26431 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26432 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26433 \let\@tabularnewline\\%
26434 \let\par\@empty
26435 \let\@sharp##%
26436 \set@typeset@protect
26437 \lineskip\z@skip\baselineskip\z@skip
26438 \ifhmode \@preamerr\z@ \@@par\fi
26439 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
26440 \@preamble}
26441 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26442 \let\@classiv\@arrayclassiv
26443 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
26444 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26445 \ifnum \@lastchclass=3 5 \else
26446 \z@ \if #1c\@chnum \z@ \else
26447 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26448 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26449 \@chclass \if #1|\@ne \else
26450 \if #1@\tw@ \else
26451 \if #1p3 \else \z@ \@preamerr 0\fi
26452 \fi \fi \fi \fi \fi \fi
26453 \fi}
26454 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26455 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26456 \def\bm@t{\unhbox\@tempboxa\hss}
26457 \def\bm@b{\hss\unhbox\@tempboxa}
26458 \def\@dottedtocline#1#2#3#4#5{%
26459 \ifnum #1>\c@tocdepth \else
26460 \vskip \z@ \@plus.2\p@

```




```

26461 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@toCRM
26462 \parindent #2\relax@afterindenttrue
26463 \interlinepenalty\@M
26464 \leavevmode
26465 \@tempdima #3\relax
26466 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
26467 {#4}\nobreak
26468 \leaders\hbox{$\m@th
26469 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
26470 mu$}\hfill
26471 \nobreak
26472 \hbext@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
26473 \par}%
26474 \fi}
26475
26476 \newcount\bidi@column@check@number
26477
26478 \def\bidi@column@status#1{\gdef\bidi@current@column@status{#1}}
26479
26480 \def\bidi@set@column@status#1#2{%
26481 \global\expandafter\let\csname #1\endcsname\bidi@current@column@status}
26482
26483 \if@twocolumn
26484 \newcommand\DetectColumn[3][1]{%
26485 \ifx\bidi@firstcolumn@status@write\relax
26486 \PackageError{bidi}%
26487 {Option 'DetectColumn' not selected}%
26488 {\string\DetectColumn\space
26489 requires the use of the 'DetectColumn'
26490 option on the package}%
26491 \fi
26492 \global\advance\bidi@column@check@number\@ne
26493 \edef\bidi@column@type{\expandafter\ifx
26494 \csname bidi@column-\the\bidi@column@check@number\endcsname\relax
26495 0\else
26496 \csname bidi@column-\the\bidi@column@check@number\endcsname
26497 \fi}%
26498 \ifcase \bidi@column@type\relax
26499 \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
26500 \or
26501 #2% % 1 First column
26502 \or
26503 #3% % 2 Second (Last column)
26504 \else
26505 \ERROR
26506 \fi
26507 \edef\next{\write\@auxout
26508 {\string\bidi@set@column@status{bidi@column-\the\bidi@column@check@number}%
26509 {\bidi@column@type}}}%
26510 \next
26511 }
26512
26513 \AtEndDocument{\def\bidi@set@column@status#1#2{%
26514 \ifnum #2=\bidi@current@column@status\else

```



```

26515     \@tempwattrue
26516     \fi}%
26517 }
26518 \fi
26519
26520 \def\RTL@outputdblcol{%
26521   \if@firstcolumn
26522     \global\@firstcolumnfalse
26523     \global\setbox\@leftcolumn\copy\@outputbox
26524     \splitmaxdepth\maxdimen
26525     \vbadness\maxdimen
26526     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26527     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26528     \toks@\expandafter{\topmark}%
26529     \xdef\@firstcoltopmark{\the\toks@}%
26530     \toks@\expandafter{\splitfirstmark}%
26531     \xdef\@firstcolfirstmark{\the\toks@}%
26532     \ifx\@firstcolfirstmark\@empty
26533       \global\let\@setmarks\relax
26534     \else
26535       \gdef\@setmarks{%
26536         \let\firstmark\@firstcolfirstmark
26537         \let\topmark\@firstcoltopmark}%
26538     \fi
26539   \else
26540     \global\@firstcolumntrue
26541     \setbox\@outputbox\vbox{%
26542       \hb@xt@\textwidth{%
26543         \hskip \columnwidth
26544         \hfil
26545         {\normalcolor\vrule \@width\columnseprule}%
26546         \hfil
26547         \hb@xt@\columnwidth{%
26548           \bidi@firstcolumn@status@write%
26549           \box\@leftcolumn \hss}%
26550         \hskip -\textwidth
26551         \hb@xt@\columnwidth{%
26552           \bidi@lastcolumn@status@write%
26553           \box\@outputbox \hss}%
26554         \hskip \columnsep
26555         \hskip \columnwidth }}%
26556   \@combinedblfloats
26557   \@setmarks
26558   \@outputpage
26559   \begingroup
26560     \@dblfloatplacement
26561     \@startdblcolumn
26562     \@whilesw\if@fcolmade \fi{\@outputpage
26563       \@startdblcolumn}%
26564   \endgroup
26565   \fi}%
26566
26567 \def\LTR@outputdblcol{%
26568   \if@firstcolumn

```



```

26569 \global\@firstcolumnfalse
26570 \global\setbox\@leftcolumn\copy\@outputbox
26571 \splitmaxdepth\maxdimen
26572 \vbadness\maxdimen
26573 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26574 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26575 \toks@\expandafter{\topmark}%
26576 \xdef\@firstcoltopmark{\the\toks@}%
26577 \toks@\expandafter{\splitfirstmark}%
26578 \xdef\@firstcolfirstmark{\the\toks@}%
26579 \ifx\@firstcolfirstmark\@empty
26580 \global\let\@setmarks\relax
26581 \else
26582 \gdef\@setmarks{%
26583 \let\firstmark\@firstcolfirstmark
26584 \let\topmark\@firstcoltopmark}%
26585 \fi
26586 \else
26587 \global\@firstcolumntrue
26588 \setbox\@outputbox\vbox{%
26589 \hb@xt@\textwidth{%
26590 \hb@xt@\columnwidth{%
26591 \bidi@firstcolumn@status@write%
26592 \box\@leftcolumn \hss}%
26593 \hfil
26594 {\normalcolor\vrule \@width\columnseprule}%
26595 \hfil
26596 \hb@xt@\columnwidth{%
26597 \bidi@lastcolumn@status@write%
26598 \box\@outputbox \hss}}}%
26599 \@combinedblfloats
26600 \@setmarks
26601 \@outputpage
26602 \begingroup
26603 \@dblfloatplacement
26604 \@startdblcolumn
26605 \@whilesw\if@colmade \fi{\@outputpage
26606 \@startdblcolumn}%
26607 \endgroup
26608 \fi}%
26609
26610
26611 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26612 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26613 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26614
26615 \bidi@patchcmd\@makecol{%
26616 \ifvoid\footins
26617 \setbox\@outputbox \box\@cclv
26618 \else
26619 \setbox\@outputbox \vbox {%
26620 \boxmaxdepth \@maxdepth
26621 \unvbox \@cclv
26622 \vskip \skip\footins

```



```

26623     \color@begingroup
26624     \normalcolor
26625     \footnoterule
26626     \unvbox \footins
26627     \color@endgroup
26628     }%
26629     \fi
26630 }{f%
26631     \ifvoid\footins
26632     \ifvoid\@bidi@copyins@
26633     \setbox\@outputbox \box\@cclv
26634     \else
26635     \setbox\@outputbox \vbox {%
26636     \boxmaxdepth \@maxdepth
26637     \unvbox \@cclv
26638     \vskip \skip\@bidi@copyins@
26639     \color@begingroup
26640     \normalcolor
26641     \unvbox \@bidi@copyins@
26642     \color@endgroup
26643     }%
26644     \fi
26645     \else
26646     \setbox\@outputbox \vbox {%
26647     \boxmaxdepth \@maxdepth
26648     \unvbox \@cclv
26649     \vskip \skip\footins
26650     \color@begingroup
26651     \normalcolor
26652     \footnoterule
26653     \unvbox \footins
26654     \color@endgroup
26655     \ifvoid\@bidi@copyins@
26656     \else
26657     \vskip \skip\@bidi@copyins@
26658     \color@begingroup
26659     \normalcolor
26660     \unvbox \@bidi@copyins@
26661     \color@endgroup
26662     \fi
26663     }%
26664     \fi
26665 }-{}{
26666
26667 \def\LTRmarginpar{%
26668     \ifhmode
26669     \@bsphack
26670     \@floatpenalty -\@Mii
26671     \else
26672     \@floatpenalty-\@Miii
26673     \fi
26674     \ifinner
26675     \@parmoderr
26676     \@floatpenalty\z@

```



```

26677 \else
26678 \@next\@currbox\@freelist{-}{-}%
26679 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26680 {\floatpenalty\z@
26681 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26682 \fi
26683 \@ifnextchar [\@LTRxmpar\@LTRympar}
26684 \long\def\@LTRxmpar[#1]#2{%
26685 \@LTRsavemarbox\@marbox{#1}%
26686 \@LTRsavemarbox\@currbox{#2}%
26687 \@xympar}
26688 \long\def\@LTRympar#1{%
26689 \@LTRsavemarbox\@marbox{#1}%
26690 \global\setbox\@currbox\copy\@marbox
26691 \@xympar}
26692 \long\def \@LTRsavemarbox #1#2{%
26693 \global\setbox #1%
26694 \color@vbox
26695 \vtop{%
26696 \hsize\marginparwidth
26697 \@parboxrestore
26698 \@LTRmarginparreset
26699 #2%
26700 \@minipagefalse
26701 \outer@nobreak
26702 }%
26703 \color@endbox
26704 }
26705 \def \@LTRmarginparreset {%
26706 \reset@font
26707 \normalsize
26708 \@minipagetrue
26709 \everypar{\@minipagefalse\everypar{}\beginL}%
26710 }
26711 \def\RTLmarginpar{%
26712 \ifhmode
26713 \@bsphack
26714 \@floatpenalty -\@Mii
26715 \else
26716 \@floatpenalty-\@Miii
26717 \fi
26718 \ifinner
26719 \@parmoderr
26720 \@floatpenalty\z@
26721 \else
26722 \@next\@currbox\@freelist{-}{-}%
26723 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26724 {\floatpenalty\z@
26725 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26726 \fi
26727 \@ifnextchar [\@RTLxmpar\@RTLYmpar}
26728 \long\def\@RTLxmpar[#1]#2{%
26729 \@RTLSavemarbox\@marbox{#1}%
26730 \@RTLSavemarbox\@currbox{#2}%

```



```

26731 \xympar}
26732 \long\def\@RTLympar#1{%
26733 \@RTLSavemarbox\@marbox{#1}%
26734 \global\setbox\@currbox\copy\@marbox
26735 \xympar}
26736 \long\def \@RTLSavemarbox #1#2{%
26737 \global\setbox #1%
26738 \color@vbox
26739 \vtop{%
26740 \hsize\marginparwidth
26741 \@parboxrestore
26742 \@RTLmarginparreset
26743 #2%
26744 \@minipagefalse
26745 \outer@nobreak
26746 }%
26747 \color@endbox
26748 }
26749 \def \@RTLmarginparreset {%
26750 \reset@font
26751 \normalsize
26752 \@minipagetrue
26753 \everypar{\@minipagefalse\everypar{}}\beginR}%
26754 }
26755 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26756 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26757 \if@twocolumn
26758 \if@firstcolumn \@tempcnta\m@ne \fi
26759 \else
26760 \if@mparswitch
26761 \ifodd\c@page \else\@tempcnta\m@ne \fi
26762 \fi
26763 \if@reversemargin \@tempcnta -\@tempcnta \fi
26764 \fi
26765 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26766 \@tempdima\@mparbottom
26767 \advance\@tempdima -\@pageht
26768 \advance\@tempdima\ht\@marbox
26769 \ifdim\@tempdima >\z@
26770 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
26771 \else
26772 \@tempdima\z@
26773 \fi
26774 \global\@mparbottom\@pageht
26775 \global\advance\@mparbottom\@tempdima
26776 \global\advance\@mparbottom\dp\@marbox
26777 \global\advance\@mparbottom\marginparpush
26778 \advance\@tempdima -\ht\@marbox
26779 \global\setbox \@marbox
26780 \vbox {\vskip \@tempdima
26781 \box \@marbox}%
26782 \global \ht\@marbox \z@
26783 \global \dp\@marbox \z@
26784 \kern -\@pagedp

```



```

26785 \nointerlineskip
26786 \hbext@columnwidth
26787 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\begin
26788 \hskip\columnwidth \hskip\marginparsep
26789 \else
26790 \hskip -\marginparsep \hskip -\marginparwidth
26791 \fi
26792 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26793 \nointerlineskip
26794 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
26795 \long\def\@ympar#1{%
26796 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmargin
26797 \global\setbox\@currbox\copy\@marbox
26798 \@xympar}
26799 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26800 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26801 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26802 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26803 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26804 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26805 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26806 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26807 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
26808 \fi}
26809
26810 \newcommand*\@bidi@font@@outputpage-{}
26811
26812 \def\@outputpage{%
26813 \begingroup % the \endgroup is put in by \aftergroup
26814 \let \protect \noexpand
26815 \@resetactivechars
26816 \global\let\@@if@newlist\if@newlist
26817 \global\@newlistfalse
26818 \@parboxrestore
26819 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
26820 \bidi@beforeoutputpageshipouthook
26821 \shipout \vbox{%
26822 \set@typeset@protect
26823 \aftergroup \endgroup
26824 \aftergroup \set@typeset@protect
26825 % correct? or just restore by ending
26826 % the group?
26827 \if@specialpage
26828 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26829 \fi
26830 \if@twoside
26831 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
26832 \if@RTLmain
26833 \let\@themargin\evensidemargin
26834 \else
26835 \let\@themargin\oddsidemargin
26836 \fi
26837 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26838 \if@RTLmain

```



```

26839         \let\@themargin\oddsidemargin
26840         \else
26841         \let\@themargin\evensidemargin
26842         \fi
26843     \fi
26844     \ifx\@thehead\@empty \let\@thehead\hfil \fi
26845     \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
26846     \else %% not @twoside
26847     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26848     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
26849     \fi
26850     \reset@font
26851     \normalsize
26852     \bidi@font@@outputpage
26853     \normalsfcodes
26854     \let\label\@gobble
26855     \let\index\@gobble
26856     \let\glossary\@gobble
26857     \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26858     \@begin@dv
26859     \vskip \topmargin
26860     \moveright\@themargin \vbox {%
26861         \global\let\bidi@BeforeHeader\@firstofone
26862         \bidi@beforeheaderhook
26863         \setbox\@tempboxa \vbox to\headheight{%
26864             \vfil
26865             \color@hbox
26866             \normalcolor
26867             \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
26868             \color@endbox
26869             }%
26870             \dp\@tempboxa \z@
26871             \box\@tempboxa
26872             \vskip \headsep
26873             \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
26874             \bidi@beforeoutputboxoutputpagehook
26875             \box\@outputbox
26876             \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
26877             \bidi@afteroutputboxoutputpagehook
26878             \global\let\bidi@BeforeFooter\@firstofone
26879             \bidi@beforefooterhook
26880             \baselineskip \footskip
26881             \color@hbox
26882             \normalcolor
26883             \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if
26884             \color@endbox
26885             \global\let\bidi@AfterFooter\@firstofone
26886             \bidi@afterfooterhook
26887             }%
26888         }%
26889     \global\let\bidi@AfterOutputPageShipOut\@firstofone
26890     \bidi@afteroutputpageshipouthook
26891     \global\let\if@newlist\@if@newlist
26892     \global \colht \textheight

```




```

26893 \stepcounter{page}%
26894 \let\firstmark\botmark
26895 \global\let\ bidi@AtEndOutputPage \@firstofone
26896 \ bidi@atendoutputpagehook
26897 }
26898 \long\def \@makecaption#1#2{%
26899 \vskip\abovecaptionskip
26900 \sbox\@tempboxa{#1: #2}%
26901 \ifdim \wd\@tempboxa >\hsize
26902 \ifRTL\beginR\fi#1: #2\ifRTL\endR\fi\par
26903 \else
26904 \global \@minipagefalse
26905 \hb@xt@\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}%
26906 \fi
26907 \vskip\belowcaptionskip}
26908 \let\ bidi@samed@eqno=\eqno
26909 \let\ bidi@samed@leqno=\leqno
26910 \def\eqno{\ifnum\predisplaydirection<\z@ \ bidi@samed@leqno \else \ bidi@samed@eqno \fi}
26911 \def\leqno{\ifnum\predisplaydirection<\z@ \ bidi@samed@eqno \else \ bidi@samed@leqno \fi}
26912 \@ifpackageloaded{amsmath}{-}{-}
26913 \def\@eqnnum{\normalfont \normalcolor \ifRTL\beginR\fi(\theequation)\ifRTL\endR\fi}
26914 }
26915 \input{footnote-xetex-bidi.def}
26916 \if@twocolumn
26917 \let\autofooterule\relax
26918 \let\leftfootnoterule\relax
26919 \let\rightfootnoterule\relax
26920 \textwidthfootnoterule
26921 \fi
26922 \if@ bidi@csundef{@idxitem}{-}{-}%
26923 \renewcommand\@idxitem{\par\hangindent \ifRTL-\fi40\p}%
26924 }
26925 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
26926 \@ifclassloaded{article}{\@ifclassloaded{svmult}{-}{\input{article-xetex-bidi.def}}}{-}
26927 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
26928 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
26929 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
26930 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
26931 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
26932 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{-}
26933 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}
26934 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{-}
26935 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{-}
26936 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{-}
26937 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{-}
26938 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{-}{\input{report-xetex-bidi.def}}}{-}
26939 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{-}
26940 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{-}
26941 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{-}
26942 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{-}
26943 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{-}
26944 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{-}
26945 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{-}
26946 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{-}

```



```

26947 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
26948 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}{}
26949 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
26950 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
26951 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
26952 \@ifpackageloaded{amsmath}{}%
26953 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
26954 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
26955 }
26956 \@ifpackageloaded{mathtools}{%
26957   \RequirePackage{graphicx}%
26958   \input{mathtools-xetex-bidi.def}%
26959 }{}
26960 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
26961 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
26962 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
26963 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
26964 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
26965 \@ifpackagewith{algorithm2e}{algonl}{%
26966   \renewcommand{\theAlgoLine}{\expandafter\cname the\algocf@float\endcsname\@SepMark\arabic{
26967 }{}
26968   \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
26969   \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
26970   \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
26971   \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
26972   \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
26973   \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
26974   \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
26975   \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
26976   \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
26977   \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
26978   \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
26979   \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}{}
26980   \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
26981   \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
26982   \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
26983   \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
26984   \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
26985   \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}{}
26986   \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
26987   \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
26988   \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
26989   \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
26990   \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
26991   \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
26992   \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
26993   \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
26994   \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
26995   \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
26996   \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
26997   \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
26998   \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
26999   \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
27000   \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}

```



```

27001 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
27002 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
27003 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
27004 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
27005 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
27006 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
27007 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
27008 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
27009 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
27010 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
27011 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
27012 \@ifpackageloaded{pdflscape}{\input{pdflscape-xetex-bidi.def}}{}
27013 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
27014 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
27015 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
27016 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
27017 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
27018 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
27019 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
27020 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
27021 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
27022 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
27023 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
27024 \@ifpackagewith{sidecap}{innercaption}{%
27025 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
27026   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
27027   \renewcommand*\SC@justify@caption{%
27028     \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
27029   \renewcommand*\SC@FLOAT[2]{%
27030     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
27031   \renewcommand*\SC@justify@caption{%
27032     \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
27033 }{}
27034 \@ifpackagewith{sidecap}{rightcaption}{%
27035 \if@RTL\renewcommand*\SC@FLOAT[2]{{#1}\hspace{\sidecaptionsep}{#2}}
27036 \def\SC@justify@caption{\RaggedLeft}\else%
27037 \renewcommand*\SC@FLOAT[2]{{#2}\hspace{\sidecaptionsep}{#1}}
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27103 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
27104 \let\@XeLaTeX\XeLaTeX
27105 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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