



The bidi Package

Source documentation for [version 25.09.11](#)

*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.

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The *bidi* Package

Bidirectional typesetting with plain $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ and $\mathrm{L}_{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ formats in Xe $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ and Lua $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ engines

Source documentation for [version 25.09.11](#)

Vafa Khalighi*

September 11, 2025

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the $\mathrm{L}_{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ 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 X
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\c@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
13    \if@RTL\leftskip\else\righskip\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   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\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 \@makefnmark%
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 \@makefnmark%
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 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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 \if@RTL\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@{\exp{\shortauthors}\@temptokena\exp{\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 p
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 '\number\col@number'
140        columns doesn't seem a good idea.^^J
141        I therefore use one columns instead}%
142     \col@number\@ne\fi
143   \ifnum\col@number>10
144     \PackageError{adjmulticol}%
145       {Too many columns}%
146       {Current implementation doesn't
147        support more than 10 columns.%
148       \MessageBreak
149        I therefore use 10 columns instead}%
150     \col@number10 \fi
151   \ifx\@footnotetext\mult@footnotetext\else
152     \let\orig@footnotetext\@footnotetext
153     \let\@footnotetext\mult@footnotetext
154   \fi
155   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156     \let\orig@LTRfootnotetext\@LTRfootnotetext
157     \let\@LTRfootnotetext\mult@LTRfootnotetext

```




```

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

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for algorithm2e p
166 \expandafter\ifx\csgname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168     \else
169 \fi
170 \renewcommand\thealgocf{\csgname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
171 \ApplyPatchIfPackageLoadedF{color}{%
172     \bgroup
173     \if@RTL
174         \beginR
175     \else
176         \beginL
177     \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{%
180     \if@RTL
181         \endR
182     \else
183         \endL
184     \fi
185     \egroup
186     \end{lrbox}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189     \if@RTL
190         \hboxR
191     \else
192         \hboxL
193     \fi
194 }{}{}
195 }
196
197 \@ifpackagewith{algorithm2e}{algonl}{%
198 \renewcommand{\theAlgoLine}{\expandafter\csgname the\algocf@float\endcsname\@SepMark\arabic{A
199 }{}
200
201 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
202
203 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
204
205 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}

```

4 File amsbook-xetex-bidi.def



```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for
207 \def\@tocline#1#2#3#4#5#6#7{\relax
208   \ifnum #1>\c@tocdepth % then omit
209   \else
210     \par \addpenalty\@secpenalty\addvspace{#2}%
211     \begingroup \hyphenpenalty\@M
212     \@ifempty{#4}{%
213       \@tempdima\csname r@tocindent\number#1\endcsname\relax
214     }{%
215       \@tempdima#4\relax
216     }%
217     \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
218     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
220     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221     \nobreak
222   \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229   \columnseprule\z@ \columnsep 35\p@
230   \@indextitlestyle
231   \thispagestyle{plain}%
232   \let\item\@idxitem
233   \parindent\z@ \parskip\z@\@plus.3\p@\relax
234   \if@RTL\raggedleft\else\raggedright\fi
235   \hyphenpenalty\@M
236   \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL\footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefntext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}

```



```

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

```



```

314 \ifnum\c@secnumdepth>\m@ne
315 \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316 \rlap{\vbox to\z@{\vss
317 \centerline{\normalsize\mdseries
318 \uppercase\@xp{\chaptername}\enspace\thechapter}
319 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320 #1\par \endgroup
321 \skip@34\p@ \advance\skip@-\normalbaselineskip
322 \vskip\skip@ }
323 \def\maketitle{\par
324 \@topnum\z@ % this prevents figures from falling at the top of page 1
325 \begingroup
326 \@maketitle
327 \endgroup
328 \c@footnote\z@
329 \def\do##1{\let##1\relax}%
330 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331 \do\author \do\@xauthor \do\address \do\@xaddress
332 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package f
337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340 \ifundefined{c@#2}{\nocounterr{#2}}{%
341 \ifundefined{c@#3}{\nocnterr{#3}}{%
342 \@addtoreset{#2}{#3}%
343 \@xp\xdef\csname the#2\endcsname{%
344 \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345 }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italicco
347
348 \bidi@patchcmd\math@cr@@@align\place@tag{%
349 \place@tag
350 \else
351 \place@tag
352 }{}{}
353

```

6 File amstext-xetex-bidi.def

```

354 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package f
355 \def\textdef@#1#2#3{\hbox{%
356 \everymath{#1}%
357 \let\fontsize#2\selectfont
358 \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}

```

7 File amsthm-xetex-bidi.def



```

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

```

8 File array-xetex-bidi.def

```

361 \ProvidesFile{array-xetex-bidi.def}[2025/09/11 v0.7 bidi adaptations for array package for X
362 \def\@testpach{\@chclass
363 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
364 \ifnum \@lastchclass=7 5 \else
365 \ifnum \@lastchclass=8 \tw@ \else
366 \ifnum \@lastchclass=9 \thr@@
367 \else \z@
368 \ifnum \@lastchclass = 10 \else
369 \edef\@nextchar{\expandafter\string\@nextchar}%
370 \@chnum
371 \if \@nextchar c\z@ \else
372 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
373 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
374 \z@ \@chclass
375 \if \@nextchar |\@ne \else
376 \if \@nextchar !6 \else
377 \if \@nextchar @7 \else
378 \if \@nextchar <8 \else
379 \if \@nextchar >9 \else
380 10
381 \@chnum
382 \if \@nextchar m\thr@@ \else
383 \if \@nextchar p4 \else
384 \if \@nextchar b5 \else
385 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
386 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
387 \def\@tabular{%
388 \leavevmode
389 \UseTaggingSocket{tbl/hmode/begin}%
390 \hbox \bgroup\if@RTLtab\beginR \fi
391 \MathCollectFalse$\MathCollectTrue
392 \col@sep\tabcolsep \let\d@llarbegin\begin\group
393 \let\d@llarend\end\group
394 \@kernel@tabular@init
395 \@tabarray}
396 \def\endtabular{\endarray\m@th $\if@RTLtab\endR\fi\egroup
397 \UseTaggingSocket{tbl/hmode/end}%
398 }
399 \expandafter\let\csname endtabular*\endcsname=\endtabular
400 \ExplSyntaxOn
401 \def\@array[#1]#2{
402 \@tempdima \ht \strutbox
403 \advance \@tempdima by\extrarowheight
404 \setbox \@arstrutbox \hbox{\vrule
405 \@height \arraystretch \@tempdima
406 \@depth \arraystretch \dp \strutbox
407 \@width \z@}%
408 \tbl_save_outer_table_cols:
409 \begin\group

```



```

410 \@mkpream{#2}%
411 \tbl_count_table_cols:
412 \xdef\@preamble{
413   \noexpand \ar@ialign
414   \@halignto
415   \bgroup \@arstrut
416   \UseTaggingSocket{tbl/row/begin}
417   \tbl_init_cell_data_for_row:
418   \@preamble
419   \tabskip \z@ \cr}
420 \endgroup
421 \@arrayleft
422 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
423 \bgroup
424 \let \@sharp ##\let \protect \relax
425 \lineskip \z@
426 \baselineskip \z@
427 \mathsurround \z@
428 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
429 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
430 \UseTaggingSocket{tbl/init}
431 \@preamble
432 }
433 \let\@array\@array
434 \def\endarray {
435   \tbl_crcr:n{endarray}
436   \tag_socket_use_expandable:n { math/luamml/array/save }
437   \egroup
438   \tag_socket_use:n { tbl/finalize }
439   \tbl_restore_outer_cell_data:
440   \if@RTLtab\egroup\endR\egroup\fi
441   \egroup
442   \tag_socket_use:n { math/luamml/array/finalize }
443   \@arrayright \gdef\@preamble{}%
444 }
445 \def\array{\col@sep\arraycolsep
446 \def\dollarbegin{${\tag_socket_use:n { math/luamml/array/initcol }}
447 \def\dollarend
448 {
449   \tag_socket_use:nn { math/luamml/save/nn }{ }{ }{mtd}}
450   $
451   \tag_socket_use:nn { math/luamml/array/finalizecol }{\the\@chnum}
452 }
453 \def\@halignto{ }%
454 \@RTLtabfalse
455 \@tabarray}
456 \ExplSyntaxOff

```

9 File article-xetex-bidi.def

```

457 \ProvidesFile{article-xetex-bidi.def}[2025/09/08 v1.1 bidi adaptations for standard article
458 \IfClassLoadedT{svmult}{\endinput}
459 \if@titlepage
460 \renewcommand\maketitle{\begin{titlepage}%

```



```

461 \let\footnotesize\small
462 \let\right@footnoterule\relax
463 \let\left@footnoterule\relax
464 \let\textwidth@footnoterule\relax
465 \let \footnote \thanks
466 \let \LTRfootnote \LTRthanks
467 \let \RTLfootnote \RTLthanks
468 \null\vfil
469 \vskip 60\p@
470 \begin{center}%
471   {\LARGE \@title \par}%
472   \vskip 3em%
473   {\large
474     \lineskip .75em%
475     \begin{tabular}[t]{c}%
476       \@author
477       \end{tabular}\par}%
478     \vskip 1.5em%
479     {\large \@date \par}%           % Set date in \large size.
480 \end{center}\par
481 \@thanks
482 \vfil\null
483 \end{titlepage}%
484 \setcounter{footnote}{0}%
485 \global\let\thanks\relax
486 \global\let\LTRthanks\relax
487 \global\let\RTLthanks\relax
488 \global\let\maketitle\relax
489 \global\let\@thanks\@empty
490 \global\let\@author\@empty
491 \global\let\@date\@empty
492 \global\let\@title\@empty
493 \global\let\title\relax
494 \global\let\author\relax
495 \global\let\date\relax
496 \global\let\and\relax
497 }
498 \else
499 \renewcommand\maketitle{\par
500 \begingroup
501   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
502   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
503   \long\def\@makefntext##1{\parindent 1em\noindent
504     \hb@xt@1.8em{%
505       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
506   \if@twocolumn
507     \ifnum \col@number=\@ne
508       \@maketitle
509     \else
510       \twocolumn[\@maketitle]%
511     \fi
512   \else
513     \newpage
514     \global\@topnum\z@           % Prevents figures from going at top of page.

```



```

515     \@maketitle
516     \fi
517     \thispagestyle{plain}\@thanks
518 \endgroup
519 \setcounter{footnote}{0}%
520 \global\let\thanks\relax
521 \global\let\LTRthanks\relax
522 \global\let\RTLthanks\relax
523 \global\let\maketitle\relax
524 \global\let\@maketitle\relax
525 \global\let\@thanks\@empty
526 \global\let\@author\@empty
527 \global\let\@date\@empty
528 \global\let\@title\@empty
529 \global\let\title\relax
530 \global\let\author\relax
531 \global\let\date\relax
532 \global\let\and\relax
533 }
534 \def\@maketitle{%
535     \newpage
536     \null
537     \vskip 2em%
538     \begin{center}%
539     \let \footnote \thanks
540     \let \LTRfootnote \LTRthanks
541     \let \RTLfootnote \RTLthanks
542     {\LARGE \@title \par}%
543     \vskip 1.5em%
544     {\large
545     \lineskip .5em%
546     \begin{tabular}[t]{c}%
547     \@author
548     \end{tabular}\par}%
549     \vskip 1em%
550     {\large \@date}%
551     \end{center}%
552     \par
553     \vskip 1.5em}
554 \fi
555 \renewcommand*\l@part[2]{%
556     \ifnum \c@tocdepth >-2\relax
557     \addpenalty\@secpenalty
558     \addvspace{2.25em \@plus\p@}%
559     \setlength\@tempdima{3em}%
560     \begingroup
561     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
562     \parfillskip -\@pnumwidth
563     {\leavevmode
564     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
565     \nobreak
566     \if@compatibility
567     \global\@nobreaktrue
568     \everypar{\global\@nobreakfalse\everypar{}}}%

```




```

569     \fi
570   \endgroup
571 \fi}
572 \renewcommand*\l@section[2]{%
573   \ifnum \c@tocdepth >\z@
574     \addpenalty\@secpenalty
575     \addvspace{1.0em \@plus\p@}%
576     \setlength\@tempdima{1.5em}%
577     \begingroup
578       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
579       \parfillskip -\@pnumwidth
580       \leavevmode \bfseries
581       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
582       \hskip -\if@RTL\rightskip\else\leftskip\fi
583       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
584     \endgroup
585   \fi}
586 \renewcommand\left@footnoterule{%
587   \kern-3\p@
588   \hrule\@width.4\columnwidth
589   \kern2.6\p@}
590 \renewcommand\right@footnoterule{%
591   \kern-3\p@
592   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
593   \kern2.6\p@}
594 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
595 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
596 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
597 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
598 \ApplyPatchIfPackageLoaded{nameref}{%
599   \bidi@patchcmd\NR@part\raggedright{%
600     \if@RTL\raggedleft\else\raggedright\fi
601   }{\bidi@warningnoline{Oops! patching `string\NR@part' failed}}%
602   \bidi@patchcmd\NR@spart\raggedright{%
603     \if@RTL\raggedleft\else\raggedright\fi
604   }{\bidi@warningnoline{Oops! patching `string\NR@spart' failed}}%
605 }{%
606   \bidi@patchcmd\@part\raggedright{%
607     \if@RTL\raggedleft\else\raggedright\fi
608   }{\bidi@warningnoline{Oops! patching `string\@part' failed}}%
609   \bidi@patchcmd\@spart\raggedright{%
610     \if@RTL\raggedleft\else\raggedright\fi
611   }{\bidi@warningnoline{Oops! patching `string\@spart' failed}}%
612 }
613 \renewenvironment{thebibliography}[1]
614   {\section*\refname}%
615   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
616   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
617   \bidi@@thebibliography@font@hook%
618   \list{\@biblabel{\@arabic\c@enumiv}}%
619     {\settowidth\labelwidth{\@biblabel{#1}}%
620     \leftmargin\labelwidth
621     \advance\leftmargin\labelsep
622     \@openbib@code

```



```

623         \usecounter{enumiv}%
624         \let\p@enumiv\@empty
625         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
626     \sloppy
627     \clubpenalty4000
628     \@clubpenalty \clubpenalty
629     \widowpenalty4000%
630     \sfcode`.\@m}
631 {\def\@noitemerr
632   {\@latex@warning{Empty `thebibliography' environment}}}%
633   \endlist}
634 \renewenvironment{theindex}
635   {\if@twocolumn
636     \@restonecolfalse
637   \else
638     \@restonecoltrue
639   \fi
640   \columnseprule \z@
641   \columnsep 35\p@
642   \twocolumn[\section*{\indexname}]}%
643   \@mkboth{\MakeUppercase\indexname}%
644   {\MakeUppercase\indexname}%
645   \thispagestyle{plain}\parindent\z@
646   \parskip\z@ \@plus .3\p@\relax
647   \let\item\@idxitem}
648   {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

728 \if@oldtoc
729 \renewcommand*\l@section[2]{%
730     \addpenalty\@secpenalty
731     \addvspace{1.0em \@plus\p@}%
732     \setlength\@tempdima{1.5em}%
733     \begingroup
734     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
735     \parfillskip -\@pnumwidth
736     \leavevmode \bfseries
737     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
738     \hskip -\if@RTL\rightskip\else\leftskip\fi
739     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
740     \endgroup}
741 \else
742     \renewcommand*\l@section{\@regtocline{1}}
743 \fi
744 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
745 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
746 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
747 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
748 \renewenvironment{thebibliography}[1]
749     {\section*\refname}%
750     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
751     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
752     \bidi@thebibliography@font@hook%
753     \list{\@biblabel{\@arabic\c@enumiv}}%
754         {\settowidth\labelwidth{\@biblabel{#1}}%
755         \leftmargin\labelwidth
756         \advance\leftmargin\labelsep
757         \@openbib@code
758         \usecounter{enumiv}%
759         \let\p@enumiv\@empty
760         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
761     \sloppy\clubpenalty4000\widowpenalty4000%
762     \sfcode\.\@m}
763     {\def\@noitemerr
764     {\@latex@warning{Empty `thebibliography' environment}}}%
765     \endlist}
766 \renewcommand*\left@footnoterule{%
767     \kern-3\p@
768     \kern.5\baselineskip
769     \hrule\@width\unitindent
770     \kern.4\baselineskip
771 }
772 \renewcommand*\right@footnoterule{%
773     \kern-3\p@
774     \kern.5\baselineskip
775     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
776     \kern.4\baselineskip}
777 \if@titlepage
778 \renewcommand*\TitleFont{\rmfamily}
779 \renewcommand*\maketitle{%
780     \begin{titlepage}%
781     \let\footnotesize\small

```



```

782 \let\right@footnoterule\relax
783 \let\left@footnoterule\relax
784 \let\textwidth@footnoterule\relax
785 \let \footnote \thanks
786 \long\def\@makefntext##1{\parindent\z@
787 \def\labelitemi{\textendash}\@revlabeltrue
788 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
789 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
790 \if@compatibility\setcounter{page}{0}\fi
791 \null\vfil
792 \vskip 60\p@
793 \begin{center}%
794 \TitleFont
795 {\LARGE \def\\{\penalty -\@M}
796 \if@allcaps
797 \expandafter\uc@nothanks\@title\thanks\relax
798 \else
799 \@title
800 \fi\par}%
801 \vskip 3em%
802 {\large
803 \lineskip .75em \parindent\z@
804 \begin{tabular}[t]{c}%
805 \if@allcaps
806 \expandafter\uc@authornothanks\@author\and\relax
807 \else
808 \@author
809 \fi
810 \end{tabular}\par}%
811 \vskip 1.5em%
812 {\large
813 \if@allcaps
814 \uppercase\expandafter{\@date}%
815 \else
816 \@date
817 \fi\par}%
818 \end{center}\par
819 \@thanks
820 \vfil\null
821 \end{titlepage}%
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@thanks\@empty
826 \global\let\@author\@empty
827 \global\let\@title\@empty
828 \global\let\@date\@empty
829 \global\let\title\relax
830 \global\let\author\relax
831 \global\let\date\relax
832 \global\let\and\relax
833 }
834 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
835 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax

```



```

836 \futurelet\@tempa\uc@ax}
837 \def\uc@ax{%
838 \ifx\@tempa\relax
839 \else
840 \\\andname \\\expandafter\uc@authornothanks
841 \fi}
842 \def\uc@tx{\ifx\@tempa\relax
843 \else \expandafter\uc@ty \fi}
844 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
845 \else
846 \renewcommand*\maketitle{\par
847 \begingroup
848 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
849 \def\@makefnmark{\rlap{%
850 \@textsuperscript{\normalfont\@thefnmark}}}%
851 \long\def\@makefntext{\@xmakefntext{%
852 \@textsuperscript{\normalfont\@thefnmark}}}%
853 \if@twocolumn
854 \ifnum \col@number=\@one
855 \@maketitle
856 \else
857 \twocolumn[\@maketitle]%
858 \fi
859 \else
860 \newpage
861 \global\@topnum\z@
862 \@maketitle
863 \fi
864 \thispagestyle{plain}\@thanks
865 \endgroup
866 \setcounter{footnote}{0}%
867 \global\let\thanks\relax
868 \global\let\maketitle\relax
869 \global\let\@maketitle\relax
870 \global\let\@thanks\@empty
871 \global\let\@author\@empty
872 \global\let\@title\@empty
873 \global\let\@date\@empty
874 \global\let\title\relax
875 \global\let\author\relax
876 \global\let\date\relax
877 \global\let\and\relax
878 }
879 \def\@maketitle{%
880 \newpage
881 \null
882 \vskip 2em%
883 \begin{center}%
884 \let \footnote \thanks
885 {\LARGE \TitleFont \@title \par}%
886 \vskip 1.5em%
887 {\large \TitleFont
888 \lineskip .5em%
889 \begin{tabular}[t]{c}%

```



```

890      \@author
891    \end{tabular}\par}%
892    \vskip 1em%
893    {\large \TitleFont \@date}%
894  \end{center}%
895  \par
896  \vskip 1.5em}
897 \fi

```

11 File artikel2-xetex-bidi.def

```

898 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
899 \renewenvironment{theindex}{%
900   \if@twocolumn
901     \@restonecolfalse
902   \else
903     \@restonecoltrue
904   \fi
905   \columnseprule \z@
906   \columnsep 35\p@
907   \twocolumn[\section*{\indexname}]%
908   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
909   \thispagestyle{plain}\parindent\z@
910   \parskip\z@ \@plus .3\p@\relax
911   \let\item\@idxitem
912   }{%
913   \if@restonecol\onecolumn\else\clearpage\fi}
914 \renewcommand*\@regtocline[3]{%
915   \ifnum #1>\c@tocdepth
916   \else
917     \vskip\z@ \@plus.2\p@
918     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
919     \if@RTL\righskip\else\leftskip\fi\unitindent
920     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
921     \parfillskip\z@
922     \@tempdima\unitindent
923     \advance\@tempdima by \othermargin
924     \parindent\z@
925     \leavevmode
926     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
927     \hskip 1em \nobreak{\slshape #3}\par
928   }%
929   \fi}
930 \if@oldtoc
931 \renewcommand*\l@section[2]{%
932   \addpenalty\@secpenalty
933   \addvspace{1.0em \@plus\p@}%
934   \setlength\@tempdima{1.5em}%
935   \begingroup
936   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
937   \parfillskip -\@pnumwidth
938   \leavevmode \bfseries
939   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
940   \hskip -\if@RTL\righskip\else\leftskip\fi

```



```

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

```




```

995     \fi}
996     {\if@twocolumn\else\par\endlist\fi}
997 \fi
998 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
999 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1000 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1001 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1002 \renewcommand*\left@footnoterule{%
1003   \kern-3\p@
1004   \hrule\@width 3\unitindent
1005   \kern 2.6\p@
1006 }
1007 \renewcommand*\right@footnoterule{%
1008   \kern-3\p@
1009   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1010   \kern 2.6\p@}
1011 \renewenvironment{thebibliography}[1]
1012   {\section*{\refname}%
1013     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1014     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1015     \bidi@thebibliography@font@hook%
1016     \list{\@biblabel{\@arabic\c@enumiv}}%
1017       {\settowidth\labelwidth{\@biblabel{#1}}%
1018         \leftmargin\labelwidth
1019         \advance\leftmargin\labelsep
1020         \@openbib@code
1021         \usecounter{enumiv}%
1022         \let\p@enumiv\@empty
1023         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1024     \sloppy\clubpenalty4000\widowpenalty4000%
1025     \sfcode\.\@m}
1026   {\def\@noitemerr
1027     {\@latex@warning{Empty `thebibliography' environment}}%
1028     \endlist}
1029 \if@titlepage
1030 \renewcommand*\TitleFont{\rmfamily}
1031 \renewcommand*\maketitle{%
1032   \begin{titlepage}%
1033     \let\footnotesize\small
1034     \let\right@footnoterule\relax
1035     \let\left@footnoterule\relax
1036     \let\textwidth\footnoterule\relax
1037     \let\footnote\thanks
1038     \long\def\@makefnmark##1{\parindent\z@
1039       \def\labelitemi{\textendash}\@revlabeltrue
1040       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1041     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1042     \if@compatibility\setcounter{page}{0}\fi
1043     \null\vfil
1044     \vskip 60\p@
1045     \begin{center}%
1046       \TitleFont
1047       {\LARGE \def\\{\penalty -\@M}
1048         \if@allcaps

```



```

1049         \expandafter\uc@nothanks\@title\thanks\relax
1050     \else
1051         \@title
1052     \fi\par}%
1053 \vskip 3em%
1054 {\large
1055     \lineskip .75em \parindent\z@
1056     \begin{tabular}[t]{c}%
1057         \if@allcaps
1058             \expandafter\uc@authornothanks\@author\and\relax
1059         \else
1060             \@author
1061         \fi
1062     \end{tabular}\par}%
1063 \vskip 1.5em%
1064 {\large
1065     \if@allcaps
1066         \uppercase\expandafter{\@date}%
1067     \else
1068         \@date
1069     \fi\par}%
1070 \end{center}\par
1071 \@thanks
1072 \vfil\null
1073 \end{titlepage}%
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@thanks\@empty
1078 \global\let\@author\@empty
1079 \global\let\@title\@empty
1080 \global\let\@date\@empty
1081 \global\let\title\relax
1082 \global\let\author\relax
1083 \global\let\date\relax
1084 \global\let\and\relax
1085 }
1086 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1087 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1088     \futurelet\@tempa\uc@ax}
1089 \def\uc@ax{%
1090     \ifx\@tempa\relax
1091     \else
1092         \\\andname \\\expandafter\uc@authornothanks
1093     \fi}
1094 \def\uc@tx{\ifx\@tempa\relax
1095     \else \expandafter\uc@ty \fi}
1096 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1097 \else
1098 \renewcommand*\maketitle{\par
1099     \begingroup
1100     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1101     \long\def\@makefntext##1{\parindent\z@
1102         \def\labelitemi{\textendash}%

```



```

1103     \leavevmode\hb@xt@.5\unitindent{%
1104         \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1105     \if@twocolumn
1106         \ifnum \col@number=\@ne
1107             \@maketitle
1108         \else
1109             \twocolumn[\@maketitle]%
1110         \fi
1111     \else
1112         \newpage
1113         \global\@topnum\z@
1114         \@maketitle
1115     \fi
1116     \thispagestyle{plain}\@thanks
1117 \endgroup
1118 \setcounter{footnote}{0}%
1119 \global\let\thanks\relax
1120 \global\let\maketitle\relax
1121 \global\let\@maketitle\relax
1122 \global\let\@thanks\@empty
1123 \global\let\@author\@empty
1124 \global\let\@title\@empty
1125 \global\let\@date\@empty
1126 \global\let\title\relax
1127 \global\let\author\relax
1128 \global\let\date\relax
1129 \global\let\and\relax
1130 }
1131 \def\@maketitle{%
1132     \newpage
1133     \null
1134     \vskip 2em%
1135     \begin{center}%
1136         \let \footnote \thanks
1137         {\LARGE \TitleFont \@title \par}%
1138         \vskip 1.5em%
1139         {\large \TitleFont
1140             \lineskip .5em%
1141             \begin{tabular}[t]{c}%
1142                 \@author
1143             \end{tabular}\par}%
1144         \vskip 1em%
1145         {\large \TitleFont \@date}%
1146     \end{center}%
1147     \par
1148     \vskip 1.5em}
1149 \fi

```

12 File artikel3-xetex-bidi.def

```

1150 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1151 \renewenvironment{theindex}{%
1152     \if@twocolumn
1153         \@restonecolfalse

```



```

1154 \else
1155 \@restonecoltrue
1156 \fi
1157 \columnseprule \z@
1158 \columnsep 35\p@
1159 \twocolumn[\section*{\indexname}]%
1160 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1161 \thispagestyle{plain}\parindent\z@
1162 \parskip\z@ \@plus .3\p@\relax
1163 \let\item\@idxitem
1164 }{%
1165 \if@restonecol\onecolumn\else\clearpage\fi}
1166 \renewcommand*\head@style{%
1167 \interlinepenalty \@M
1168 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1169 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1170 \renewcommand*\@regtocline[3]{%
1171 \ifnum #1>\c@tocdepth
1172 \else
1173 \vskip\z@ \@plus.2\p@
1174 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
1175 \if@RTL\rightskip\else\leftskip\fi\unitindent
1176 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1177 \parfillskip\z@
1178 \@tempdima\unitindent
1179 \parindent\z@
1180 \leavevmode
1181 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1182 \hskip 1em \nobreak{\slshape #3}\par
1183 }%
1184 \fi}
1185 \if@oldtoc
1186 \renewcommand*\l@part[2]{%
1187 \ifnum \c@tocdepth >-2\relax
1188 \addpenalty\@secpenalty
1189 \addvspace{2.25em \@plus\p@}%
1190 \begingroup
1191 \setlength\@tempdima{3em}%
1192 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1193 \parfillskip -\@pnumwidth
1194 {\leavevmode
1195 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1196 \nobreak
1197 \if@compatibility
1198 \global\@nobreaktrue
1199 \everypar{\global\@nobreakfalse\everypar{}}%
1200 \fi
1201 \endgroup
1202 \fi}
1203 \else
1204 \renewcommand*\l@part{%
1205 \ifnum \c@tocdepth >-2\relax
1206 \addpenalty\@secpenalty
1207 \addvspace{2.25em \@plus \p@}%

```



```

1208 \regtocline{0}%
1209 \fi}
1210 \fi
1211
1212 \if@oldtoc
1213 \renewcommand*\l@section[2]{%
1214 \addpenalty\@secpenalty
1215 \addvspace{1.0em \@plus\p@}%
1216 \setlength\@tempdima{1.5em}%
1217 \begingroup
1218 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1219 \parfillskip -\@pnumwidth
1220 \leavevmode \bfseries
1221 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1222 \hskip -\if@RTL\rightskip\else\leftskip\fi
1223 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1224 \endgroup}
1225 \else
1226 \renewcommand*\l@section{\@regtocline{1}}
1227 \fi
1228 \if@titlepage
1229 \renewenvironment{abstract}{%
1230 \titlepage
1231 \null\vfil
1232 \section*{\SectFont\abstractname}%
1233 \noindent\ignorespaces}
1234 {\par\vfil\null\endtitlepage}
1235 \else
1236 \renewenvironment{abstract}{%
1237 \if@twocolumn
1238 \section*{\abstractname}%
1239 \else
1240 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1241 \section*{\small\SectFont\abstractname}%
1242 \noindent\ignorespaces
1243 \fi}
1244 {\if@twocolumn\else\par\egroup\fi}
1245 \fi
1246 \renewcommand*\left@footnoterule{%
1247 \kern-3\p@
1248 \kern.5\baselineskip
1249 \hrule\@width\unitindent
1250 \kern.4\baselineskip
1251 }
1252 \renewcommand*\right@footnoterule{%
1253 \kern-3\p@
1254 \kern.5\baselineskip
1255 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1256 \kern.4\baselineskip}
1257 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1258 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1259 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1260 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1261 \renewenvironment{thebibliography}[1]

```



```

1262 {\section*{\refname}%
1263 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1264 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1265 \bidi@thebibliography@font@hook%
1266 \list{\@biblabel{\@arabic\c@enumiv}}%
1267 {\settowidth\labelwidth{\@biblabel{#1}}%
1268 \leftmargin\labelwidth
1269 \advance\leftmargin\labelsep
1270 \@openbib@code
1271 \usecounter{enumiv}%
1272 \let\p@enumiv\@empty
1273 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1274 \sloppy\clubpenalty4000\widowpenalty4000%
1275 \sfcode\.\@m}
1276 {\def\@noitemerr
1277 {\@latex@warning{Empty `thebibliography' environment}}}%
1278 \endlist}
1279 \if@titlepage
1280 \renewcommand*\TitleFont{\rmfamily}
1281 \renewcommand*\maketitle{%
1282 \begin{titlepage}%
1283 \let\footnotesize\small
1284 \let\right@footnoterule\relax
1285 \let\left@footnoterule\relax
1286 \let\textwidth\footnoterule\relax
1287 \let\footnote\thanks
1288 \long\def\@makefntext##1{\parindent\z@
1289 \def\labelitemi{\textendash}\@revlabeltrue
1290 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1291 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1292 \if@compatibility\setcounter{page}{0}\fi
1293 \null\vfil
1294 \vskip 60\p@
1295 \begin{center}%
1296 \TitleFont
1297 {\LARGE \def\\{\penalty -\@M}
1298 \if@allcaps
1299 \expandafter\uc@nothanks\@title\thanks\relax
1300 \else
1301 \@title
1302 \fi\par}%
1303 \vskip 3em%
1304 {\large
1305 \lineskip .75em \parindent\z@
1306 \begin{tabular}[t]{c}%
1307 \if@allcaps
1308 \expandafter\uc@authornothanks\@author\and\relax
1309 \else
1310 \@author
1311 \fi
1312 \end{tabular}\par}%
1313 \vskip 1.5em%
1314 {\large
1315 \if@allcaps

```



```

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

```



```

1370 \global\let\maketitle\relax
1371 \global\let\@maketitle\relax
1372 \global\let\@thanks\@empty
1373 \global\let\@author\@empty
1374 \global\let\@title\@empty
1375 \global\let\@date\@empty
1376 \global\let\title\relax
1377 \global\let\author\relax
1378 \global\let\date\relax
1379 \global\let\and\relax
1380 }
1381 \def\@maketitle{%
1382 \newpage
1383 \null
1384 \vskip 2em%
1385 \if@titlecentered
1386 \begin{center}%
1387 \let \footnote \thanks
1388 {\LARGE \TitleFont \@title \par}%
1389 \vskip 1.5em%
1390 {\large \TitleFont
1391 \lineskip .5em%
1392 \begin{tabular}[t]{c}%
1393 \@author
1394 \end{tabular}\par}%
1395 \vskip 1em%
1396 {\large \TitleFont \@date}%
1397 \end{center}%
1398 \else
1399 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1400 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1401 \def\and{%% \begin{tabular} has already started
1402 \end{tabular}\hskip 1em plus .17fil
1403 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
1404 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
1405 \vskip 1em {\large \TitleFont \@date}
1406 \fi
1407 \par
1408 \vskip 1.5em}
1409 \fi

```

13 File arydshln-xetex-bidi.def

```

1410 \ProvidesFile{arydshln-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for arydshln package]
1411 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \ifRTL\egroup\endR\egroup\fi\egroup}
1412 \def\endtabular{\endarray $\ifRTL\egroup\endR\fi\egroup}
1413 \expandafter\let\csname endtabular*\endcsname\endtabular
1414 \let\adl@array\@array
1415 \def\@array{\adl@everyvbox\everyvbox
1416 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1417 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1418 \let\adl@noalign\noalign
1419 \adl@array}
1420 \ifadl@usingarypkg

```




```

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

```



```

1475             \if #1@tw@ \else
1476             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1477     \fi \fi \fi \fi \fi \fi \fi \fi}
1478
1479 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1480             \or \or \@addamp \or
1481             \@acolampacol \or \@firstampfalse \@acol \fi
1482     \edef\@preamble{\@preamble
1483             \ifcase \@chnum
1484             \hfil\adl@putlrc{$\relax\@sharp$}\hfil
1485             \or \adl@putlrc{$\relax\@sharp$}\hfil
1486             \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
1487 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1488             \or \or \@addamp \or
1489             \@acolampacol \or \@firstampfalse \@acol \fi
1490     \edef\@preamble{\@preamble
1491             \ifcase \@chnum
1492             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1493             \or \adl@putlrc{\@sharp\unskip}\hfil
1494             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1495 \def\adl@class@start{6}
1496 \def\adl@class@iiiorvii{3}
1497 \fi
1498 \ApplyPatchCodeToPackage{colortbl}{%
1499 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1500 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1501             \let\@endpbox\adl@org@endpbox}
1502 \let\adl@CT@setup\CT@setup
1503 \def\CT@setup{\adl@CT@setup
1504             \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1505             \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1506             \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1507 \let\adl@act@CT@setup\CT@setup
1508 \def\@classz{\@classx
1509             \@tempcnta\count@ \prepnext@tok
1510             \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1511             \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1512             \expandafter\adl@extract@drsc
1513             \the\toks\@tempcnta\doublerulesepcolor!\@nil
1514             \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1515             \@addtopreamble{\if@RTL\beginL\fi%
1516             \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1517             \ifcase \@chnum
1518             \hskip\stretch{.5}\kern\z@
1519             \dollarbegin
1520             \insert@column
1521             \dollarend\hskip\stretch{.5}%
1522             \or \dollarbegin \insert@column \dollarend \hfill
1523             \or \hfill \kern\z@ \dollarbegin \insert@column \dollarend
1524             \or $\vcenter
1525             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1526             \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1527             \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1528             \fi

```



```

1529             \if@RTL\endR\fi\egroup\egroup
1530             \beginngroup
1531                 \CT@setup
1532                 \CT@column@color
1533                 \CT@row@color
1534                 \CT@cell@color
1535                 \CT@do@color
1536             \endgroup
1537             \@tempdima\ht\z@
1538             \advance\@tempdima\minrowclearance
1539             \vrule\@height\@tempdima\@width\z@
1540             \unhbox\z@\if@RTL\endL\fi}%
1541         \prepnext@tok}
1542 \let\adl@act@classz\@classz
1543 \let\adl@org@classz\@classz
1544 }

```

14 File beamer-xetex-bidi.def

```

1545 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for Xe
1546 \AtBeginDocument{%
1547   \if@RTLmain
1548     \raggedleft
1549   \else
1550     \raggedright
1551   \fi
1552 }
1553
1554 \renewcommand*{\bidi@beamer@ragged}{%
1555   \if@RTL
1556     \raggedleft
1557   \else
1558     \raggedright
1559   \fi
1560 }
1561
1562

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1563 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2025/01/03 v0.5 bidi adaptations for be
1564 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1565
1566 \bidi@csundef{beamer@tmpop@subsubsection in toc@sections numbered}
1567
1568 \bidi@csundef{beamer@tmpop@section in toc@subsections numbered}
1569
1570 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1571
1572 \bidi@csundef{beamer@tmpop@subsubsection in toc@subsections numbered}
1573
1574 \defbeamer@template{subsection in toc}{sections numbered}
1575 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1576

```



```

1577 \defbeamertemplate{subsubsection in toc}{sections numbered}
1578 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeamerfont{subsubsection in toc}\bidi@beamer@leftskip=3.5em\inserttocsubsubsection\par}
1579 \inserttocsubsubsection\par}
1580
1581 \defbeamertemplate{section in toc}{subsections numbered}
1582 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1583
1584 \defbeamertemplate{subsection in toc}{subsections numbered}
1585 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip-2em\inserttocsectionnumber.\inserttocsubsubsection\par}
1586
1587 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1588 {\leavevmode\normalsize\usebeamerfont{subsection in
1589 toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}}%
1590 \inserttocsubsubsection\par}
1591
1592 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1593
1594 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1595
1596 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1597
1598 \defbeamertemplate{section in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2ex%
1600 \llap{%
1601 \usebeamerfont*{section number projected}}%
1602 \usebeamerfont{section number projected}}%
1603 \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1604 \color{bg}
1605 \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1606 \pgfusepath{fill}
1607 \pgftext[base]{\color{fg}\inserttocsectionnumber}
1608 \end{pgfpicture}\kern1.25ex%
1609 }%
1610 \inserttocsection\par}
1611
1612 \defbeamertemplate{subsection in toc}{circle}
1613 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsubsection\par}
1614
1615 \defbeamertemplate{subsubsection in toc}{circle}
1616 {\leavevmode\normalsize\usebeamerfont{subsection in
1617 toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}}%
1618 \inserttocsubsubsection\par}
1619
1620 \bidi@csundef{beamer@@tmpop@section in toc@square}
1621
1622 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1623
1624 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1625
1626 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1627
1628 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1629
1630 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}

```



```

1631
1632 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1633
1634 \defbeamertemplate{section in toc}{square}
1635 {\leavevmode\bidi@beamer@leftskip=3ex%
1636 \llap{%
1637 \usebeamerfont*{section number projected}%
1638 \usebeamercolor[bg]{section number projected}%
1639 \if@RTL
1640 \else
1641 \vrule width2.25ex height1.85ex depth.4ex%
1642 \hskip-2.25ex%
1643 \fi
1644 \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}%
1645 \if@RTL
1646 \hskip-2.25ex%
1647 \vrule width2.25ex height1.85ex depth.4ex%
1648 \fi
1649 }\kern1.25ex}%
1650 \inserttocsection\par}
1651
1652 \defbeamertemplate{subsection in toc}{square}
1653 {\leavevmode\bidi@beamer@leftskip=5ex\llap{%
1654 \usebeamercolor[bg]{subsection number projected}%
1655 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1656
1657 \defbeamertemplate{subsubsection in toc}{square}
1658 {\leavevmode\normalsize\usebeamerfont{subsection in
1659 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1660 \llap{%
1661 \usebeamercolor[bg]{subsubsection number projected}%
1662 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1663
1664 \defbeamertemplate{enumerate item}{square}
1665 {
1666 \hbox{%
1667 \usebeamerfont*{item projected}%
1668 \usebeamercolor[bg]{item projected}%
1669 \if@RTL
1670 \else
1671 \vrule width2.25ex height1.85ex depth.4ex%
1672 \hskip-2.25ex%
1673 \fi
1674 \hbox to2.25ex{%
1675 \hfil%
1676 \color{fg}\insertenumlabel%
1677 \hfil}}%
1678 \if@RTL
1679 \hskip-2.25ex%
1680 \vrule width2.25ex height1.85ex depth.4ex%
1681 \fi
1682 }}%
1683 }
1684 [action]

```



```

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

```



```

1739 \hbox to2.25ex{ {%
1740 \hfil%
1741 \color{fg}\insertenumlabel%
1742 \hfil}}%
1743 \if@RTL
1744 \hskip-2.25ex%
1745 \vrule width2.25ex height1.85ex depth.4ex%
1746 \fi
1747 }}%
1748 }
1749
1750 \bidi@csundef{beamer@@tmpop@section in toc@ball unnumbered}
1751
1752 \bidi@csundef{beamer@@tmpop@subsection in toc@ball unnumbered}
1753
1754 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1755
1756 \defbeamertemplate{section in toc}{ball unnumbered}
1757 { \leavevmode\bidi@beamer@leftskip=2.25ex%
1758 \llap{%
1759 \raise0.1ex\beamer@usesphere{section number projected}{bigsphere}\kern1.25ex}%
1760 \inserttocsection\par}
1761
1762 \defbeamertemplate{subsection in toc}{ball unnumbered}
1763 { \leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1764 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttocsection\par}
1765
1766 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1767 { \leavevmode\normalsize\usebeamerfont{subsection in
1768 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1769 \llap{%
1770 \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsubsubsection\par}
1771
1772 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1773
1774 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1775
1776 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1777
1778 \defbeamertemplate{section in toc}{ball}
1779 { \leavevmode\bidi@beamer@leftskip=2.75ex%
1780 \llap{%
1781 \normalsize%
1782 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1783 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1784 \pgftext{%
1785 \usebeamerfont*{section number projected}%
1786 \usebeamercolor{section number projected}%
1787 \color{fg!90!bg}%
1788 \inserttocsectionnumber}
1789 \end{pgfpicture}%
1790 \kern1.25ex}%
1791 \inserttocsection\par
1792 }

```



```

1793 [action]
1794 {\setbeamerfont{section number projected}{size=\scriptsize}}
1795
1796 \defbeamertemplate{subsection in toc}{ball}
1797 {\leavevmode\bidibeamer@leftskip=5ex%
1798 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1799 \inserttocsubsection\par%
1800 }
1801
1802 \defbeamertemplate{subsubsection in toc}{ball}
1803 {\leavevmode\normalsize\usebeamerfont{subsection in
1804 toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1805 \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1806 \inserttocsubsubsection\par%
1807 }
1808
1809 \bidi@csundef{beamer@@tmpop@block begin@rounded}
1810
1811 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1812
1813 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1814
1815 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1816 {%
1817 \par\vskip\medskipamount%
1818 \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1819 {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1820 \bidi@beamer@ragged%
1821 \usebeamerfont{block body}%
1822 }
1823
1824 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1825 {%
1826 \par\vskip\medskipamount%
1827 \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1828 {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1829 \bidi@beamer@ragged%
1830 \usebeamerfont{block body alerted}%
1831 }%
1832
1833 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1834 {%
1835 \par\vskip\medskipamount%
1836 \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]%
1837 {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1838 \bidi@beamer@ragged%
1839 \usebeamerfont{block body example}%
1840 }%
1841
1842 \bidi@csundef{beamer@@tmpop@caption@numbered}
1843
1844 \defbeamertemplate{caption}{numbered}
1845 {%
1846 \leavevmode

```




```

1847 \bidi@beamer@ragged
1848 {%
1849   \usebeamercolor[fg]{caption name}%
1850   \usebeamerfont*{caption name}%
1851   \insertcaptionname~\insertcaptionnumber
1852   \usebeamertemplate{caption label separator}%
1853 }%
1854 \insertcaption\par
1855 }
1856
1857 \bidi@csundef{beamer@@tmpop@caption@caption name own line}
1858
1859 \defbeamertemplate{caption}{caption name own line}
1860 {%
1861   \begin{minipage}{\textwidth}
1862     \leavevmode
1863     \bidi@beamer@ragged
1864     {%
1865       \usebeamercolor[fg]{caption name}%
1866       \usebeamerfont*{caption name}%
1867       \insertcaptionname%
1868     }\\
1869     \insertcaption
1870   \end{minipage}
1871 }
1872
1873 \ApplyPatchCodeToPackage{caption}{%
1874   \DeclareCaptionFont{beamer@font}{%
1875     \usebeamerfont*{caption}%
1876     \usebeamercolor[fg]{caption}%
1877   }
1878   \SetCaptionDefault{font}{beamer@font}
1879   \DeclareCaptionJustification{bidi@beamer@ragged}{\bidi@beamer@ragged}
1880   \SetCaptionDefault{justification}{bidi@beamer@ragged}
1881 }
1882

```

16 File beamerbaseboxes-xetex-bidi.def

```

1883 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1884 \renewcommand\beamerboxesrounded[2] [] {%
1885   \global\let\beamer@firstlineitemizeunskip=\relax%
1886   \vbox\bgroup%
1887   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1888   \setkeys{beamerboxes}{#1}%
1889   {%
1890     \usebeamercolor{\bmb@lower}%
1891     \globalcolorstrue%
1892     \colorlet{lower.bg}{bg}%
1893   }%
1894   {%
1895     \usebeamercolor{\bmb@upper}%
1896     \globalcolorstrue%
1897     \colorlet{upper.bg}{bg}%

```



```

1898 }%
1899 %
1900 % Typeset head
1901 %
1902 \vskip4bp
1903 \setbox\bmb@box=\hbox{%
1904   \begin{minipage}[b]{\bmb@width}%
1905     \usebeamercolor[fg]{\bmb@upper}%
1906     #2%
1907   \end{minipage}}%
1908 \ifdim\wd\bmb@box=0pt%
1909   \setbox\bmb@box=\hbox{}%
1910   \ht\bmb@box=1.5pt%
1911   \bmb@prevheight=-4.5pt%
1912 \else%
1913   \wd\bmb@box=\bmb@width%
1914   \bmb@temp=\dp\bmb@box%
1915   \ifdim\bmb@temp<1.5pt%
1916     \bmb@temp=1.5pt%
1917   \fi%
1918   \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1919   \dp\bmb@box=0pt%
1920   \bmb@prevheight=\ht\bmb@box%
1921 \fi%
1922 \bmb@temp=\bmb@width%
1923 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1924 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1925 \hbox{%
1926   \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1927     \ifdim\wd\bmb@box=0pt%
1928       \color{lower.bg}%
1929     \else%
1930       \color{upper.bg}%
1931     \fi%
1932     \pgfpathmoveto{-4bp}{-1bp}
1933     \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1934     \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1935     \pgfpathcurveto%
1936       {\pgfpoint{\bmb@dima}{3bp}}%
1937       {\pgfpoint{\bmb@dimb}{1.2bp}}%
1938       {\pgfpoint{\bmb@dimb}{-1bp}}%
1939     \bmb@dima=-\ht\bmb@box%
1940     \advance\bmb@dima by-2pt%
1941     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1942     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1943     \pgfusepath{fill}
1944   \end{pgfpicture}%
1945   \copy\bmb@box%
1946 }%
1947 \nointerlineskip%
1948 \vskip-1pt%
1949 \ifdim\wd\bmb@box=0pt%
1950 \else%
1951 \hbox{%

```



```

1952 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1953 \bmb@dima=\bmb@width%
1954 \advance\bmb@dima by8bp%
1955 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1956 \pgfusepath{clip}
1957 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1958 \end{pgfpicture}%
1959 }%
1960 \nointerlineskip%
1961 \vskip-0.5pt%
1962 \fi%
1963 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1964 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1965 \vskip2pt%
1966 \usebeamercolor[fg]{\bmb@lower}%
1967 \colorlet{beamerstructure}{upper.bg}%
1968 \colorlet{structure}{upper.bg}%
1969 %\color{.}%
1970 \@bidi@list@minipage@parboxfalse
1971 }
1972
1973 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1974 \begingroup
1975 \@RTLfalse
1976 }{}{}
1977
1978

```

17 File beamerbasecolor-xetex-bidi.def

```

1979 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1980 \renewenvironment{beamercolorbox}[2][]{%
1981 \def\beamer@vmode{\leavevmode}%
1982 \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1983 leftskip=0pt,rightskip=0pt plus1fil,%
1984 sep=0pt,colsep=0pt,colsep*=0pt,%
1985 shadow=false,rounded=false,ignorebg=false}%
1986 \if@RTL
1987 \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1988 \else
1989 \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1990 \fi
1991 \setkeys{beamercolbox}{#1}%
1992 \ifbeamercoloreempty[bg]{#2}{\@tempwafalse}{\@tempwattrue}%
1993 \ifbeamer@colbox@ignorebg\@tempwafalse\fi%
1994 \def\beamer@colbox@color{#2}%
1995 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1996 \ifbeamer@colbox@ignorebg%
1997 \colorlet{beamer@temp@color}{bg}%
1998 \usebeamercolor[fg]{#2}%
1999 \colorlet{bg}{beamer@temp@color}%
2000 \else%
2001 \usebeamercolor[fg]{#2}%
2002 \fi%

```



```

2003 \beginL
2004 \vbox\bgroup%
2005 \hsize=\beamer@colbox@wd%
2006 \@arrayparboxrestore%
2007 \leftskip=\beamer@colbox@ls%
2008 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
2009 \rightskip=\beamer@colbox@rs%
2010 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
2011 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
2012 \advance\leftskip by\beamer@colbox@colsep%
2013 \advance\rightskip by\beamer@colbox@colsep%
2014 \vskip\beamer@colbox@colsep%
2015 \fi%
2016 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2017 \fi%
2018 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2019 \beamer@vmode\ignorespaces}{%
2020 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2021 \if@tempswa
2022 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
2023 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2024 \fi%
2025 \egroup\endL\color@endgroup\egroup%
2026 \wd\beamer@tempbox=\beamer@colbox@wd%
2027 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
2028 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
2029 \ifbeamer@colbox@rounded%
2030 \if@tempswa%
2031 \begin{beamerboxesrounded}[%
2032 shadow=\beamer@colbox@shadow,%
2033 lower=\beamer@colbox@color,%
2034 upper=normal text,%
2035 width=\beamer@colbox@wd]{%
2036 \box\beamer@tempbox%
2037 \end{beamerboxesrounded}%
2038 \else%
2039 \ifdim\wd\beamer@tempbox>\textwidth%
2040 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2041 \fi%
2042 \box\beamer@tempbox%
2043 \fi%
2044 \else%
2045 \if@tempswa\setbox\beamer@tempbox=\hbox{%
2046 \usebeamercolor{\beamer@colbox@color}%
2047 \hskip-\beamer@colbox@colseps%
2048 \fboxsep=\z@\colorbox{bg}{%
2049 \hskip\beamer@colbox@colseps%
2050 \box\beamer@tempbox%
2051 \hskip\beamer@colbox@colseps%
2052 }%
2053 \hskip-\beamer@colbox@colseps%
2054 }\fi%
2055 \ifdim\wd\beamer@tempbox>\textwidth%
2056 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box

```



```

2057 \fi%
2058 \box\beamer@tempbox%
2059 \fi%
2060 }
2061
2062

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2063 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for b
2064 \def\insertvrule#1#2{\hbox{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\h
2065
2066

```

19 File beamerbaseframecomponents-xetex-bidi.def

```

2067 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2024/12/28 v0.7 bidi adaptations for
2068 \renewcommand{\setbeamersize}[1]{%
2069 \beamer@dogeometryfalse%
2070 \setkeys{beamer@margin}{#1}%
2071 \ifbeamer@dogeometry%
2072 % Reset left margin now
2073 \beamer@tempdim=\beamer@leftmargin%
2074 \advance\beamer@tempdim by\beamer@leftsidebar%
2075 \if@RTLmain
2076 \geometry{right=\the\beamer@tempdim}%
2077 \else
2078 \geometry{left=\the\beamer@tempdim}%
2079 \fi
2080 % Reset right margin now
2081 \beamer@tempdim=\beamer@rightmargin%
2082 \advance\beamer@tempdim by\beamer@rightsidebar%
2083 \if@RTLmain
2084 \geometry{left=\the\beamer@tempdim}%
2085 \else
2086 \geometry{right=\the\beamer@tempdim}%
2087 \fi
2088 \fi%
2089 }
2090
2091 \newcommand*\bidi@beamer@Gm@lmargin){%
2092 \if@RTLmain
2093 \Gm@rmargin
2094 \else
2095 \Gm@lmargin
2096 \fi
2097 }
2098
2099 \newcommand*\bidi@beamer@Gm@rmargin){%
2100 \if@RTLmain
2101 \Gm@lmargin
2102 \else
2103 \Gm@rmargin
2104 \fi

```



```

2105 }
2106
2107 \def\ps@navigation{
2108   \def\@oddhead{%
2109     \begin{group}%
2110     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2111     \beamer@tempdim=\ht\beamer@tempbox%
2112     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2113     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2114     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}}%
2115     \beamer@tempdim=\ht\@tempboxa%
2116     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}}%
2117     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2118     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}%
2119     \hbox{%
2120       {%
2121         \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2122         \if@RTLmain
2123           {%
2124             \vbox to \sidebarheight{%
2125               \usebeamertemplate***{sidebar left}%
2126               \vfil%
2127             }}%
2128             \ApplyPatchIfPackageLoadedF{beamerinnerthemeinmargin}{%
2129               \hskip-\textwidth
2130             }%
2131             \fi
2132             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2133               \usebeamercolor*{sidebar left}%
2134               \usebeamertemplate{sidebar canvas left}%
2135               \vss%
2136             }}%
2137             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2138             \box\beamer@tempbox}%
2139             \if@RTLmain
2140             \else
2141             {%
2142               \vbox to \sidebarheight{%
2143                 \usebeamertemplate***{sidebar left}%
2144                 \vfil%
2145               }}\fi}%
2146             \beamer@tempdim=\ht\beamer@tempbox%
2147             \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2148             \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2149             \box\beamer@tempbox%
2150           }%
2151           {% print right sidebar first, since it should be overwritten by headline
2152           \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2153           \if@RTLmain
2154             {%
2155               \vbox to \sidebarheight{%
2156                 \usebeamertemplate***{sidebar right}%
2157                 \vfil%
2158               }}%

```



```

2159         \hskip-\textwidth
2160     \fi
2161     {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2162         \usebeamercolor*{sidebar right}%
2163         \usebeamertemplate{sidebar canvas right}%
2164         \vss%
2165     }}%
2166     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2167     \box\beamer@tempbox}%
2168     \if@RTLmain
2169     \else
2170     {%
2171         \vbox to \sidebarheight{%
2172             \usebeamertemplate***{sidebar right}%
2173             \vfil%
2174         }}\fi}%
2175     \beamer@tempdim=\ht\beamer@tempbox%
2176     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2177     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2178     \box\beamer@tempbox%
2179     }%
2180     \beamer@typesetheadorfoot{headline}%
2181     }%
2182     \hfil}%
2183     \endgroup}
2184     \def\@oddfoot{%
2185         \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2186             \hfil}\hbox{}}\hfil
2187     }%
2188     \let\@evenhead\@oddhead
2189     \let\@evenfoot\@oddfoot}
2190
2191 \AtBeginDocument{%
2192     \pagestyle{navigation}%
2193 }
2194
2195 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2196     {\parskip0pt\offinterlineskip%
2197         \hbox{%
2198             \hskip-\bidi@beamer@Gm@lmargin%
2199             \hbox{%
2200                 \vbox{%
2201                     \@tempdima=\textwidth%
2202                     \textwidth=\paperwidth%
2203                     \hsize=\textwidth%
2204                     \def\{\,%
2205                         \usebeamertemplate***{#1}%
2206                     }%
2207                     \hskip-\bidi@beamer@Gm@rmargin%
2208                 }}\hfil%
2209     }
2210
2211 \def\ps@empty{%
2212     \let\@mkboth\@gobbletwo%

```



```

2213 \def\@oddhead{\begingroup%
2214   \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2215   \beamer@tempdim=\ht\beamer@tempbox%
2216   \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2217   \wd\beamer@tempbox=Opt\ht\beamer@tempbox=Opt\dp\beamer@tempbox=Opt%
2218   \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2219   \beamer@tempdim=\ht\@tempboxa%
2220   \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}}%
2221   \wd\@tempboxa=Opt\ht\@tempboxa=Opt\dp\@tempboxa=Opt%
2222   \vbox{\hbox{\hskip-\Gm\lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box\
2223   \endgroup%
2224 }
2225 \def\@oddfoot{{\normalcolor{\hfil%
2226   \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beame
2227   \ht\beamer@tempbox=Opt%
2228   \dp\beamer@tempbox=Opt%
2229   \box\beamer@tempbox}}}%
2230 \let\@evenhead\@oddhead\let\@evenfoot\@oddfoot}
2231
2232 \renewenvironment<>{beamer@columnenv}[2][\beamer@colmode]{%
2233   \beamer@colclose\def\beamer@colclose{%
2234     \begin{actionenv}#3%
2235       \setkeys{beamer@col}{#1}%
2236       \begin{minipage}[\beamer@colalign]{#2}%
2237         \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2238       {\end{minipage}\hfill\end{actionenv}\@ignoretrue}
2239 \let\endcolumn\endbeamer@columnenv
2240
2241 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2242   \beamer@colclose%
2243   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2244 \begin{actionenv}#3%
2245   \setkeys{beamer@col}{#1}%
2246   \begin{minipage}[\beamer@colalign]{#2}%
2247     \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2248
2249 \renewenvironment<>{columns}[1][{}]{%
2250   \begin{actionenv}#2%
2251     \ifbeamer@onlytextwidth
2252       \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2253       \def\beamer@colexitcode{\unskip\egroup}
2254     \else%
2255       \def\beamer@colentrycode{%
2256         \hbox to\textwidth\bgroup%
2257         \leavevmode%
2258         \hskip-\beamer@leftmargin%
2259         \nobreak%
2260         \beamer@tempdim=\textwidth%
2261         \advance\beamer@tempdim by\beamer@leftmargin%
2262         \advance\beamer@tempdim by\beamer@rightmargin%
2263         \hbox to\beamer@tempdim\bgroup%
2264         \hbox{}\hfill\ignorespaces}%
2265       \def\beamer@colexitcode{\egroup%
2266         \nobreak%

```




```

2267 \hskip-\beamer@rightmargin\egroup}%
2268 \fi%
2269 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2270 \setkeys{beamer@col}{#1}%
2271 \par%
2272 \leavevmode
2273 \beamer@colentrycode%
2274 \def\beamer@colclose{}\ignorespaces}%
2275 {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}}%
2276
2277
2278 \def\@makeRTLfntext#1{%
2279 \def\insertfootnotetext{#1}%
2280 \def\insertfootnotemark{\@makefnmark}%
2281 \usebeamertemplate***{RTLfootnote}}
2282
2283 \def\@makeLTRfntext#1{%
2284 \def\insertfootnotetext{#1}%
2285 \def\insertfootnotemark{\@makefnmark}%
2286 \usebeamertemplate***{LTRfootnote}}
2287
2288 \renewcommand<>\beamer@framefootnotetext[1]{%
2289 \global\setbox\beamer@footins\vbox{%
2290 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2291 \hsize\framewidth
2292 \textwidth\hsize
2293 \columnwidth\hsize
2294 \unvbox\beamer@footins
2295 \reset@font
2296 \bidi@@footnotetext@font
2297 \@parboxrestore
2298 \protected@edef\@currentlabel
2299 {\csname p@footnote\endcsname\@thefnmark}%
2300 \color@begingroup
2301 \uncover#2{\@makefntext{%
2302 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2303 \color@endgroup}}
2304
2305 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2306 \global\setbox\beamer@footins\vbox{%
2307 \@RTLtrue
2308 \hsize\framewidth
2309 \textwidth\hsize
2310 \columnwidth\hsize
2311 \unvbox\beamer@footins
2312 \reset@font
2313 \bidi@@RTLfootnotetext@font
2314 \@parboxrestore
2315 \protected@edef\@currentlabel
2316 {\csname p@footnote\endcsname\@thefnmark}%
2317 \color@begingroup
2318 \uncover#2{\@makeRTLfntext{%
2319 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2320 \color@endgroup}}

```



```

2321
2322 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2323   \global\setbox\beamer@footins\vbox{%
2324     \RTLfalse
2325     \hsize\framewidth
2326     \textwidth\hsize
2327     \columnwidth\hsize
2328     \unvbox\beamer@footins
2329     \reset@font
2330     \bidi@@LTRfootnotetext@font
2331     \@parboxrestore
2332     \protected@edef\@currentlabel
2333       {\csname p@footnote\endcsname\@thefnmark}%
2334     \color@begingroup
2335       \uncover#2{\@makeLTRfntext{%
2336         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2337     \color@endgroup}}
2338
2339 \renewcommand<>\@mpfootnotetext[1]{%
2340 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
2341   \global\setbox\@mpfootins\vbox{%
2342     \unvbox\@mpfootins
2343     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
2344     \reset@font
2345     \bidi@@footnotetext@font
2346     \hsize\columnwidth
2347     \@parboxrestore
2348     \protected@edef\@currentlabel
2349       {\csname p@mpfootnote\endcsname\@thefnmark}%
2350     \color@begingroup
2351       \uncover#2{\@makefntext{%
2352         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2353     \color@endgroup}}
2354
2355 \renewcommand<>\@mpRTLfootnotetext[1]{%
2356 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule
2357   \global\setbox\@mpfootins\vbox{%
2358     \unvbox\@mpfootins
2359     \@RTLtrue
2360     \reset@font
2361     \bidi@@RTLfootnotetext@font
2362     \hsize\columnwidth
2363     \@parboxrestore
2364     \protected@edef\@currentlabel
2365       {\csname p@mpfootnote\endcsname\@thefnmark}%
2366     \color@begingroup
2367       \uncover#2{\@makeRTLfntext{%
2368         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2369     \color@endgroup}}
2370
2371 \renewcommand<>\@mpLTRfootnotetext[1]{%
2372 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule
2373   \global\setbox\@mpfootins\vbox{%
2374     \unvbox\@mpfootins

```



```

2375 \@RTLfalse
2376 \reset@font
2377 \bidi@L@L@footnotetext@font
2378 \hsize\columnwidth
2379 \@parboxrestore
2380 \protected@edef\@currentlabel
2381 {\csname p@mpfootnote\endcsname\@thefnmark}%
2382 \color@begingroup
2383 \uncover#2{\@makeL@Rfntext{%
2384 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2385 \color@endgroup}}
2386
2387 \let\@footnotetext=\beamer@framefootnotetext
2388 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2389 \let\@L@R@footnotetext=\beamer@frameL@R@footnotetext
2390
2391 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2392 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2393 \footdir@temp\footdir@ORG@bidi@beamer@L@R@footnotetext\@L@R@footnotetext{L}%
2394
2395 \renewcommand<>{\footnote}[1] [] {%
2396 \let\beamer@footnotetext=\@footnotetext%
2397 \let\beamer@mpfn=\@mpfn%
2398 \let\beamer@thempfn=\thempfn%
2399 \let\beamer@kvorig=\KV@errx%
2400 \let\beamer@xkvorig=\XKV@err
2401 \def\beamer@footarg{}%
2402 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2403 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2404 \setkeys{beamerfootnote}{#1}%
2405 \let\KV@errx=\beamer@kvorig%
2406 \let\XKV@errx=\beamer@xkvorig%
2407 \ifx\beamer@footarg\@empty%
2408 \def\beamer@next{\stepcounter\beamer@mpfn
2409 \protected@xdef\@thefnmark{\beamer@thempfn}%
2410 \@footnotemark\beamer@footnotetext#2}%
2411 \else%
2412 \def\beamer@next{%
2413 \begingroup
2414 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2415 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2416 \endgroup
2417 \@footnotemark\beamer@footnotetext#2}%
2418 \fi%
2419 \beamer@next}
2420
2421 \renewcommand<>{\RTLfootnote}[1] [] {%
2422 \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2423 \let\beamer@mpfn=\@mpfn%
2424 \let\beamer@thempfn=\thempfn%
2425 \let\beamer@kvorig=\KV@errx%
2426 \let\beamer@xkvorig=\XKV@err
2427 \def\beamer@footarg{}%
2428 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%

```



```

2429 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2430 \setkeys{beamerfootnote}{#1}%
2431 \let\KV@errx=\beamer@kvorig%
2432 \let\XKV@errx=\beamer@xkvorig
2433 \ifx\beamer@footarg\@empty%
2434   \def\beamer@next{\stepcounter\beamer@mpfn
2435     \protected@xdef\@thefnmark{\beamer@thempfn}%
2436     \@footnotemark\beamer@RTLfootnotetext#2}%
2437 \else%
2438   \def\beamer@next{%
2439     \begingroup
2440       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2441       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2442     \endgroup
2443     \@footnotemark\beamer@RTLfootnotetext#2}%
2444 \fi%
2445 \beamer@next}
2446
2447 \renewcommand<>{\LTRfootnote}[1] [] {%
2448   \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2449   \let\beamer@mpfn=\@mpfn%
2450   \let\beamer@thempfn=\thempfn%
2451   \let\beamer@kvorig=\KV@errx%
2452   \let\beamer@xkvorig=\XKV@err
2453   \def\beamer@footarg{}%
2454   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2455   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2456   \setkeys{beamerfootnote}{#1}%
2457   \let\KV@errx=\beamer@kvorig%
2458   \let\XKV@errx=\beamer@xkvorig
2459   \ifx\beamer@footarg\@empty%
2460     \def\beamer@next{\stepcounter\beamer@mpfn
2461       \protected@xdef\@thefnmark{\beamer@thempfn}%
2462       \@footnotemark\beamer@LTRfootnotetext#2}%
2463   \else%
2464     \def\beamer@next{%
2465       \begingroup
2466         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2467         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2468       \endgroup
2469       \@footnotemark\beamer@LTRfootnotetext#2}%
2470   \fi%
2471   \beamer@next}
2472
2473

```

20 File beamerbaseframesize-xetex-bidi.def

```

2474 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamer]
2475 \def\beamer@framezoom<#1><#2>[#3](#4,#5)(#6,#7){%
2476   \par\nointerlineskip%
2477   \global\beamer@slidehaszoomtrue%
2478   \advance\beamer@zoomcount by1\relax%
2479   \def\beamer@zoomborderwidth{0}%

```



```

2480 \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomco
2481 \setkeys{beamerzoom}{#3}%
2482 \only<#1>{%
2483   {\hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2484   \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2485     \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2486       \vbox to #7{%
2487         \hbox to#6{\hfil}%
2488         \vfil%
2489       }%
2490     \else%
2491       \begin{group}%
2492         \normalsize%
2493         \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2494           \pgfsetfillopacity{0}
2495           \pgftext[x=0cm,y=3pt]{.}
2496           \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2497         \end{pgfpicture}%
2498       \end{group}%
2499     \fi%
2500   }}%
2501   \ht\@tempboxa=0pt%
2502   \wd\@tempboxa=0pt%
2503   \dp\@tempboxa=0pt%
2504   \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@te
2505   \ht\@tempboxa=0pt%
2506   \wd\@tempboxa=0pt%
2507   \dp\@tempboxa=0pt%
2508   \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2509 }%
2510 \only<#2>{%
2511   \@ifundefined{\beamer@labelzoomed}%
2512   {%
2513     \hypertarget{\beamer@labelzoomed}{}%
2514     \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2515   }{}%
2516   \gdef\beamer@zoomer{%
2517     % compute zoom factor
2518     \@tempdima=\beamer@frametextheight%
2519     \@tempdimb=#7\relax%
2520     \@tempcnta=\@tempdimb%
2521     \divide\@tempcnta by4096\relax%
2522     \multiply\@tempdima by16\relax%
2523     \divide\@tempdima by\@tempcnta%
2524     \@tempdimb=\paperwidth%
2525     \ifbeamer@plainframe%
2526     \else%
2527       \advance\@tempdimb by-\beamer@leftsidebar%
2528       \advance\@tempdimb by-\beamer@rightsidebar\relax%
2529     \fi%
2530     \@tempdimc=#6\relax%
2531     \@tempcntb=\@tempdimc%
2532     \divide\@tempcntb by4096\relax%
2533     \multiply\@tempdimb by16\relax%

```



```

2534 \divide\@tempdimb by\@tempcntb%
2535 \ifdim\@tempdimb<\@tempdima%
2536 \@tempdima=\@tempdimb%
2537 \fi%
2538 \edef\beamer@temp{\strip@pt\@tempdima}%
2539 \@tempdimc=\beamer@frametextheight%
2540 \advance\@tempdimc by4pt%
2541 \@tempdimb=\paperwidth%
2542 \ifbeamer@plainframe%
2543 \else%
2544 \advance\@tempdimb by-\beamer@leftsidebar%
2545 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2546 \fi%
2547 \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2548 \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2549 \ht\@tempboxa=0pt%
2550 \wd\@tempboxa=0pt%
2551 \dp\@tempboxa=0pt%
2552 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2553 \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2554 \ifRTL
2555 \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\pape
2556 \pgftext[right,top]{\box\@tempboxa}
2557 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2558 \pgfusepath{clip}
2559 \begingroup
2560 \pgftransformscale{\beamer@temp}
2561 \@tempdima=#4\relax%
2562 \@tempdimb=#5\relax%
2563 {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}}%
2564 \pgftext[right,top]{\vbox{\vbox{}\nointerlineskip\unvbox\beamer@framebox}}
2565 \endgroup
2566 \end{pgfpicture}}%
2567 \else
2568 \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargi
2569 \pgftext[left,top]{\box\@tempboxa}
2570 \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2571 \pgfusepath{clip}
2572 \begingroup
2573 \pgftransformscale{\beamer@temp}
2574 \@tempdima=#4\relax%
2575 \@tempdimb=#5\relax%
2576 {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2577 \pgftext[left,top]{\vbox{\vbox{}\nointerlineskip\unvbox\beamer@framebox}}
2578 \endgroup
2579 \end{pgfpicture}}%
2580 \fi
2581 }}%
2582 \setbox\beamer@framebox=\vbox{%
2583 \nobreak\vbox{}\nobreak\par\nobreak\beamer@entrycode\nobreak%
2584 \nointerlineskip\unvbox\beamer@frametitlebox%
2585 \nobreak%
2586 \box\beamer@framebox%
2587 \nobreak%

```



```

2588         \vss%
2589         \beamer@exitcode%
2590     }%
2591     \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2592 }%
2593 }%
2594 }
2595
2596

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2597 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2598 \def\beamer@enum{%
2599     \beamer@compute\pref\@itemdepth% sets \beameritemnestingprefix
2600     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2601     \bgroup
2602     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2603     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2604     \egroup
2605     \expandafter
2606         \list
2607         {\usebeamertemplate{\beamer@enumtempl}}
2608         {\usecounter\@enumctr%
2609         \def\makelabel##1{\hss\llap{\hss
2610             \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2611             \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}%
2612     \beamer@cramped%
2613     \bidi@beamer@ragged%
2614     \beamer@firstlineitemizeunskip%
2615 }
2616
2617 \renewcommand{\itemize}[1][1]{%
2618     \ifblank{#1}{\def\beamer@defaulttospec{#1}}%
2619     \ifnum \@itemdepth >2\relax\@toodeep\else
2620         \advance\@itemdepth\@ne
2621         \beamer@compute\pref\@itemdepth% sets \beameritemnestingprefix
2622         \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2623         \bgroup
2624         \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2625         \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2626         \egroup
2627         \list
2628         {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2629         {\def\makelabel##1{\hss
2630             \hss\llap{\hss
2631                 \usebeamerfont*{itemize \beameritemnestingprefix item}%
2632                 \usebeamerfont{fg}{itemize \beameritemnestingprefix item}##1}}}%
2633             }%
2634         }%
2635     }%
2636 }
2637 \fi%
2638 \beamer@cramped%

```



```

2639 \bidi@beamer@ragged%
2640 \beamer@firstlineitemizeunskip%
2641 }
2642
2643 \def\@@description{%
2644 \advance\beamer@descdefault by \labelsep%
2645 \usebeamerfont{description body}%
2646 \bgroup
2647 \usebeamercolor[fg]{description body}%
2648 \usebeamertemplate{description body begin}%
2649 \egroup
2650 \list
2651 {}
2652 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2653 \beamer@cramped%
2654 \bidi@beamer@ragged
2655 \beamer@firstlineitemizeunskip%
2656 }
2657
2658 \renewenvironment{thebibliography}[1]
2659 {%\leavevmode\unskip%
2660 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2661 \bidi@thebibliography@font@hook%
2662 \list{\@biblabel{\@arabic\c@enumiv}}%
2663 {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2664 \leftmargin\labelwidth
2665 \advance\leftmargin\labelsep
2666 \itemsep=0pt%
2667 \partopsep=0pt%
2668 \topsep=0pt%
2669 \usecounter{enumiv}%
2670 \let\p@enumiv\@empty
2671 \renewcommand\theenumiv{\@arabic\c@enumiv}
2672 \let\makelabel\beamer@biblabeltemplate}%
2673 \sloppy\bidi@beamer@ragged
2674 \clubpenalty10000
2675 \@clubpenalty \clubpenalty
2676 \widowpenalty10000%
2677 \sfcode`.\@m}
2678 {\def\@noitemerr
2679 {\@latex@warning{Empty `thebibliography' environment}}}%
2680 \ifhmode\unskip\fi\endlist}
2681
2682

```

22 File beamerbasemisc-xetex-bidi.def

```

2683 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbase
2684 \define@key{beamerst}{width}{%
2685 \def\beamer@ststart{%
2686 \begin{minipage}[t]{#1}%
2687 \bidi@beamer@ragged
2688 \beamer@stalign
2689 \beamer@stlinebreakrule

```




```

2690 }%
2691 \def\beamer@stend{\end{minipage}}
2692
2693

```

23 File beamerbasenavigation-xetex-bidi.def

```

2694 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for beam
2695 \def\slideentry#1#2#3#4#5#6{%
2696 %section number, subsection number, slide number, first/last frame, page number, part numb
2697 \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2698 \ifbeamer@compress%
2699 \advance\beamer@xpos by1\relax%
2700 \else%
2701 \ifnum#2=0%
2702 \beamer@ypos@offset=1\relax%
2703 \fi
2704 \beamer@xpos=#3\relax%
2705 \beamer@ypos=#2\relax%
2706 \advance\beamer@ypos by \beamer@ypos@offset\relax
2707 \fi%
2708 \hbox to 0pt{%
2709 \beamer@tempdim=-\beamer@vboxoffset%
2710 \advance\beamer@tempdim by-\beamer@boxsize%
2711 \multiply\beamer@tempdim by\beamer@ypos%
2712 \advance\beamer@tempdim by -.05cm%
2713 \raise\beamer@tempdim\hbox{%
2714 \beamer@tempdim=\beamer@boxsize%
2715 \multiply\beamer@tempdim by\beamer@xpos%
2716 \advance\beamer@tempdim by -\beamer@boxsize%
2717 \advance\beamer@tempdim by 1pt%
2718 \kern\beamer@tempdim
2719 \global\beamer@section@min@dim\beamer@tempdim
2720 \hbox{\beamer@link(#4){%
2721 \usebeamerfont{mini frame}%
2722 \ifnum\c@section=#1%
2723 \ifnum\c@subsection=#2%
2724 \usebeamercolor[fg]{mini frame}%
2725 \ifnum\c@subsectionslide=#3%
2726 \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2727 \else%
2728 \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhil
2729 \fi%
2730 \else%
2731 \usebeamercolor{mini frame}%
2732 \%color{fg!50!bg}%
2733 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2734 \fi%
2735 \else%
2736 \usebeamercolor{mini frame}%
2737 \%color{fg!50!bg}%
2738 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2739 \fi%
2740 }}}\hskip-10cm plus 1fil%

```



```

2741 } \fi \fi %
2742 \else %
2743 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2744 \fi \ignorespaces
2745 }
2746
2747 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2748 {
2749 \pgfpathmoveto{3.5bp}{0.5bp}
2750 \pgfpathqlineto{1.5bp}{2bp}
2751 \pgfpathqlineto{3.5bp}{3.5bp}
2752 \pgfusepathqfill
2753 }
2754
2755 \def\insertgotosymbol{%
2756 \if@RTL
2757 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2758 \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2759 \end{pgfpicture}%
2760 \else
2761 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2762 \pgfuseobject{beamer@gotosymbol}%
2763 \end{pgfpicture}%
2764 \fi
2765 }
2766
2767 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2768 {
2769 \pgfpathmoveto{5.5bp}{0.5bp}
2770 \pgfpathqlineto{3.5bp}{2bp}
2771 \pgfpathqlineto{5.5bp}{3.5bp}
2772 \pgfpathmoveto{3.5bp}{0.5bp}
2773 \pgfpathqlineto{1.5bp}{2bp}
2774 \pgfpathqlineto{3.5bp}{3.5bp}
2775 \pgfusepathqfill
2776 }
2777
2778 \def\insertskipsymbol{%
2779 \if@RTL
2780 \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2781 \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2782 \end{pgfpicture}%
2783 \else
2784 \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2785 \pgfuseobject{beamer@skipsymbol}%
2786 \end{pgfpicture}%
2787 \fi
2788 }
2789
2790 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2791 {
2792 \pgfpathmoveto{1.5bp}{0.5bp}
2793 \pgfpathqlineto{3.5bp}{2bp}
2794 \pgfpathqlineto{1.5bp}{3.5bp}

```



```

2795 \pgfusepathqfill
2796 }
2797
2798 \def\insertreturnsymbol{%
2799 \if@RTL
2800 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2801 \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2802 \end{pgfpicture}%
2803 \else
2804 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2805 \pgfuseobject{beamerreturnsymbol}%
2806 \end{pgfpicture}%
2807 \fi
2808 }
2809
2810

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2811 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2812 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2813
2814

```

25 File beamerinnerthemedefault-xetex-bidi.def

```

2815 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for beamer]
2816 \newcommand*{\bidi@beamer@leftskip}{%
2817 \if@RTL
2818 \rightskip
2819 \else
2820 \leftskip
2821 \fi
2822 }
2823
2824 \newcommand*{\bidi@beamer@rightskip}{%
2825 \if@RTL
2826 \leftskip
2827 \else
2828 \rightskip
2829 \fi
2830 }
2831
2832 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2833
2834 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2835
2836 \defbeamertemplate*{subsection in toc}{default}
2837 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2838
2839 \defbeamertemplate*{subsubsection in toc}{default}
2840 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2841 \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2842

```



```

2843 \newcommand*{\bidi@beamer@blacktriangle}{%
2844   \if@RTL
2845     $\blacktriangleleft$%
2846   \else
2847     $\blacktriangleright$%
2848   \fi
2849 }
2850
2851 \bidi@csundef{beamer@@tmpop@itemize item@default}
2852
2853 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2854
2855 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2856
2857 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\v
2858 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2859 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2860
2861 \bidi@undef\beamer@@tmpop@footnote@default
2862
2863 \defbeamertemplate*{footnote}{default}
2864 {
2865   \parindent 1em\noindent%
2866   \bidi@beamer@ragged
2867   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2868 }
2869
2870 \defbeamertemplate*{RTLfootnote}{default}
2871 {
2872   \parindent 1em\noindent%
2873   \raggedleft
2874   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2875 }
2876
2877 \defbeamertemplate*{LTRfootnote}{default}
2878 {
2879   \parindent 1em\noindent%
2880   \raggedright
2881   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2882 }
2883
2884 \bidi@undef\beamer@@tmpop@caption@default
2885
2886 \defbeamertemplate*{caption}{default}
2887 {%
2888   \bidi@beamer@ragged
2889   {%
2890     \leavevmode
2891     \usebeamerfont*{caption name}%
2892     \usebeamerfont*{caption name}%
2893     \insertcaptionname
2894     \usebeamertemplate{caption label separator}%
2895   }%
2896   \insertcaption\par

```



```

2897 }
2898
2899 \bidi@csundef{beamer@@tmpop@block begin@default}
2900
2901 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2902
2903 \bidi@csundef{beamer@@tmpop@block example begin@default}
2904
2905 \defbeamertemplate*{block begin}{default}
2906 {
2907   \par\vskip\medskipamount%
2908   \begin{beamercolorbox}[colsep*=.75ex]{block title}
2909     \usebeamerfont*{block title}\insertblocktitle%
2910   \end{beamercolorbox}%
2911   {\parskip0pt\par}%
2912   \ifbeamercoloreempty[bg]{block title}
2913   {}
2914   {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2915   \usebeamerfont{block body}%
2916   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2917     \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\basel
2918   }
2919
2920 \defbeamertemplate*{block alerted begin}{default}
2921 {
2922   \par\vskip\medskipamount%
2923   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2924     \usebeamerfont*{block title alerted}\insertblocktitle%
2925   \end{beamercolorbox}%
2926   {\parskip0pt\par}%
2927   \ifbeamercoloreempty[bg]{block title alerted}
2928   {}
2929   {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2930   \usebeamerfont{block body alerted}%
2931   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2932     \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2933   }
2934
2935 \defbeamertemplate*{block example begin}{default}
2936 {
2937   \par\vskip\medskipamount%
2938   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2939     \usebeamerfont*{block title example}\insertblocktitle%
2940   \end{beamercolorbox}%
2941   {\parskip0pt\par}%
2942   \ifbeamercoloreempty[bg]{block title example}
2943   {}
2944   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2945   \usebeamerfont{block body example}%
2946   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2947     \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2948   }
2949
2950 \bidi@csundef{beamer@@tmpop@abstract begin@default}

```



```

2951
2952 \defbeamer@template*{abstract begin}{default}
2953 {\beamer@colorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil
2954
2955 \bidi@undef\beamer@tmpop@button@default
2956
2957 \defbeamer@template*{button}{default}
2958 {%
2959   \setbox\beamer@tempbox=\hbox{{\insertbuttontext}}%
2960   \ht\beamer@tempbox=6pt%
2961   \dp\beamer@tempbox=0pt%
2962   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2963   \beamer@tempdim=\wd\beamer@tempbox%
2964   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2965   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2966   \if@RTL
2967     \kern4pt%
2968     \box\beamer@tempbox%
2969     \hskip-\beamer@tempdim%
2970   \fi
2971   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2972     \color{bg}
2973     \pgfsetlinewidth{0.8pt}
2974     \pgfpathqmoveto{0pt}{0pt}
2975     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2976     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2977     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2978     \pgfpathcurveto%
2979       {\pgfpoint{\the\beamer@dima}{8pt}}%
2980       {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2981       {\pgfpoint{\the\beamer@dimb}{4pt}}
2982     \pgfpathcurveto%
2983       {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2984       {\pgfpoint{\the\beamer@dima}{0pt}}%
2985       {\pgfpoint{\the\beamer@tempdim}{0pt}}
2986     \pgfpathclose
2987     \pgfusepathqfill
2988     \colorlet{bg}{parent.bg}
2989     \usebeamercolor{fg}{button border}
2990     \pgfpathqmoveto{0pt}{0pt}
2991     \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2992     \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2993     \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2994     \pgfpathcurveto%
2995       {\pgfpoint{\the\beamer@dima}{8pt}}%
2996       {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2997       {\pgfpoint{\the\beamer@dimb}{4pt}}
2998     \pgfpathcurveto%
2999       {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
3000       {\pgfpoint{\the\beamer@dima}{0pt}}%
3001       {\pgfpoint{\the\beamer@tempdim}{0pt}}
3002     \pgfpathclose
3003     \pgfusepathqstroke
3004   \end{pgfpicture}%

```



```

3005 \if@RTL
3006 \else
3007     \hskip-\beamer@tempdim%
3008     \box\beamer@tempbox%
3009     \kern4pt%
3010 \fi
3011 }
3012
3013

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

3014 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for beamer]
3015 \setbeamertemplate{sections/subsections in toc}[circle]
3016

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

3017 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for beamer]
3018 \setbeamertemplate{section in toc}[square]
3019 \setbeamertemplate{subsection in toc}[square]
3020
3021 \setbeamertemplate{itemize items}[square]
3022 \setbeamertemplate{itemize subitem}[triangle]
3023
3024 \bidi@csundef{beamer@@tmpop@title page@focus}
3025
3026 \defbeamertemplate*{title page}{focus}{%
3027     {%
3028         \usebeamercolor{frametitle}\colorlet{focus@@temp}{bg}%
3029         \begin{tikzpicture}[overlay, remember picture]
3030             \fill[color=focus@@temp] (current page.north west) rectangle ([shift = {(0, -0.4}
3031         \end{tikzpicture}
3032     }
3033
3034     \vspace{-1.65\baselineskip}
3035     \begin{minipage}[b] [0.35\paperheight]{\textwidth}
3036         \vspace{\baselineskip}
3037         \usebeamerfont{title}
3038         \usebeamercolor[fg]{frametitle}
3039         \inserttitle
3040     \end{minipage}
3041
3042     \begin{minipage}[t] [0.1\paperheight]{\textwidth}
3043         \usebeamerfont{subtitle}
3044         \usebeamercolor[fg]{frametitle}
3045         \insertsubtitle
3046     \end{minipage}
3047
3048     % Set the title graphic in a zero-height box, so that
3049     % the position of other elements is not affected.
3050     {\vfuzz=9999pt\vbox to 0pt {
3051         \if@RTL
3052         \raggedright

```



```

3053         \else
3054         \raggedleft
3055         \fi
3056         \inserttitlegraphic
3057     }}
3058
3059     \begin{minipage}[t]{\textwidth}
3060         \usebeamerfont{author}
3061         \insertauthor
3062     \end{minipage}
3063
3064     \vspace*{\baselineskip}
3065     \begin{minipage}[t]{\textwidth}
3066         \usebeamerfont{institute}
3067         \insertinstitute
3068     \end{minipage}
3069
3070     \vspace*{\baselineskip}
3071     \begin{minipage}[t]{\textwidth}
3072         \usebeamerfont{date}
3073         \insertdate
3074     \end{minipage}
3075
3076     \vspace*{0pt plus 100fill}
3077
3078     \addtocounter{framenum}{-1}
3079     \addtocounter{realframenum}{-1}
3080 }
3081
3082
3083

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3084 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3085 \AtBeginDocument{%
3086   \setbeamersize{sidebar width left=.25\paperwidth}%
3087 }
3088
3089 \bidi\csundef{beamer@@tmpop@section in toc@inmargin}
3090
3091 \bidi\csundef{beamer@@tmpop@title page@inmargin}
3092
3093 \bidi\csundef{beamer@@tmpop@block begin@inmargin}
3094
3095 \bidi\csundef{beamer@@tmpop@block end@inmargin}
3096
3097 \bidi\csundef{beamer@@tmpop@block alerted begin@inmargin}
3098
3099 \bidi\csundef{beamer@@tmpop@block alerted end@inmargin}
3100
3101 \bidi\csundef{beamer@@tmpop@block example begin@inmargin}
3102
3103 \bidi\csundef{beamer@@tmpop@block example end@inmargin}

```




```

3104
3105 \defbeamertemplate*{section in toc}{inmargin}
3106 {\leavevmode
3107   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3108
3109 \defbeamertemplate*{title page}{inmargin}
3110 {
3111   \begin{block}{\inserttitleindicator}
3112     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3113     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3114   \end{block}
3115   \vfill
3116   \ifx\insertauthor\@empty
3117     \else
3118     \begin{block}{\insertauthorindicator}
3119       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3120     \end{block}
3121     \fi
3122     \ifx\insertinstitute\@empty
3123       \else
3124       \begin{block}{\insertinstituteindicator}
3125         \bgroup\usebeamercolor[fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3126       \end{block}
3127       \fi
3128       \ifx\insertdate\@empty
3129         \else
3130         \begin{block}{\insertdateindicator}
3131           \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3132         \end{block}
3133         \fi
3134       }
3135
3136 \defbeamertemplate*{block begin}{inmargin}
3137 {
3138   \par\vskip\medskipamount%
3139   \leavevmode%
3140   \beamer@putleft{\normalfont\usebeamercolor[fg]{block title}\usebeamerfont*{block title}\i
3141   \beginL\beamer@putright
3142   %\usebeamercolor[fg]{block body}% to be done!
3143 }
3144
3145 \defbeamertemplate*{block end}{inmargin}
3146 {\endbeamer@putright\endL\vskip\smallskipamount}
3147
3148 \defbeamertemplate*{block alerted begin}{inmargin}
3149 {
3150   \par\vskip\medskipamount%
3151   \leavevmode%
3152   \beamer@putleft{\normalfont\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3153   \beginL\beamer@putright
3154   %\usebeamercolor[fg]{block body alerted}% to be done!
3155 }
3156
3157 \defbeamertemplate*{block alerted end}{inmargin}

```



```

3158 {\endbeamer@putright\endL\vskip\smallskipamount}
3159
3160 \defbeamertemplate*{block example begin}{inmargin}
3161 {
3162   \par\vskip\medskipamount%
3163   \leavevmode%
3164   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}}\usebeamerfont*{block
3165   \beginL\beamer@putright
3166   %\usebeamercolor[fg]{block body example}% to be done
3167 }
3168
3169 \defbeamertemplate*{block example end}{inmargin}
3170 {\endbeamer@putright\endL\vskip\smallskipamount}
3171
3172 \bidi@AfterFile{beamerinnerthememetropolis-xetex-bidi.def}{%
3173   \setbeamertemplate{section in toc}[inmargin]%
3174   \setbeamertemplate{subsection in toc}[inmargin]%
3175   \setbeamertemplate{subsubsection in toc}[inmargin]%
3176 }
3177
3178

```

29 File beamerinnerthememetropolis-xetex-bidi.def

```

3179 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3180 \setbeamertemplate{title}{
3181   \bidi@beamer@ragged%
3182   \linespread{1.0}%
3183   \inserttitle%
3184   \par%
3185   \vspace*{0.5em}
3186 }
3187
3188 \setbeamertemplate{subtitle}{
3189   \bidi@beamer@ragged%
3190   \insertsubtitle%
3191   \par%
3192   \vspace*{0.5em}
3193 }
3194
3195 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3196
3197 \defbeamertemplate{section page}{progressbar}{
3198   \centering
3199   \begin{minipage}{22em}
3200     \bidi@beamer@ragged
3201     \usebeamercolor[fg]{section title}
3202     \usebeamerfont{section title}
3203     \insertsectionhead\[-1ex]
3204     \usebeamertemplate*{progress bar in section page}
3205     \par
3206     \ifx\insertsubsectionhead\@empty\else%
3207       \usebeamercolor[fg]{subsection title}%
3208       \usebeamerfont{subsection title}%

```



```

3209     \insertsubsectionhead
3210     \fi
3211 \end{minipage}
3212 \par
3213 \vspace{\baselineskip}
3214 }
3215
3216 \setbeamertemplate{progress bar in section page}{
3217   \setlength{\metropolis@progressonsectionpage}{%
3218     \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3219   }%
3220   \begin{tikzpicture}
3221     \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3222   \if@RTLmain
3223     \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3224   \else
3225     \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsectionpage@linewidth);
3226   \fi
3227   \end{tikzpicture}%
3228 }
3229
3230 \renewcommand{\metropolis@block}[1]{
3231   \par\vskip\medskipamount%
3232   \setlength{\parskip}{0pt}
3233   \ifbeamercolorempy[bg]{block title#1}{%
3234     \if@RTL
3235       \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3236     \else
3237       \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3238     \fi
3239   }{%
3240     \ifbeamercolorempy[bg]{block title}{%
3241       \if@RTL
3242         \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3243       \else
3244         \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3245       \fi
3246     }%
3247     {%
3248     \if@RTL
3249       \begin{beamercolorbox}[
3250         sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3251         rightskip=\metropolis@blockadjust,
3252         leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3253       ]{block title#1}%
3254     \else
3255       \begin{beamercolorbox}[
3256         sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3257         leftskip=\metropolis@blockadjust,
3258         rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3259       ]{block title#1}%
3260     \fi
3261   }}%
3262   \usebeamerfont*{block title#1}%

```



```

3263 \metropolis@strut%
3264 \insertblocktitle%
3265 \metropolis@strut%
3266 \end{beamercolorbox}%
3267 \nointerlineskip%
3268 \ifbeamercoloreempty[bg]{block body#1}{%
3269 \begin{beamercolorbox}[vmode]{block body#1}}{
3270 \ifbeamercoloreempty[bg]{block body}{%
3271 \begin{beamercolorbox}[vmode]{block body#1}%
3272 }{%
3273 \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3274 \vspace{-\metropolis@parskip}
3275 }}%
3276 \usebeamerfont{block body#1}%
3277 \setlength{\parskip}{\metropolis@parskip}%
3278 }
3279
3280
3281 \setbeamertemplate{footnote}{%
3282 \parindent 0em\noindent%
3283 \bidi@beamer@ragged
3284 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3285 }
3286
3287 \setbeamertemplate{RTLfootnote}{%
3288 \parindent 0em\noindent%
3289 \raggedleft
3290 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3291 }
3292
3293 \setbeamertemplate{LTRfootnote}{%
3294 \parindent 0em\noindent%
3295 \raggedright
3296 \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3297 }
3298
3299 \setbeamertemplate{itemize items}{\textbullet}
3300
3301 \setbeamertemplate{section page}[progressbar]
3302
3303

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3304 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations fo
3305 \setbeamertemplate{sections/subsections in toc}[square]
3306 \setbeamertemplate{items}[square]
3307

```

31 File beamerinnerthemerounded-xetex-bidi.def

```

3308 \ProvidesFile{beamerinnerthemerounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
3309 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themerounded@shadow]
3310 \setbeamertemplate{items}[ball]

```



```

3311 \setbeamertemplate{sections/subsections in toc}[ball]
3312

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3313 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for b
3314 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
3315
3316 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
3317
3318 \AtBeginDocument{%
3319   \if@RTLmain
3320     \setbeamertemplate{frametitle}[default][right]
3321   \fi
3322 }
3323
3324 \bidi@csundef{beamer@@tmpop@note page@default}
3325
3326 \newcommand*{\bidi@beamer@today}{%
3327 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3328
3329 \defbeamertemplate*{note page}{default}
3330 {%
3331   {%
3332     \scriptsize
3333     \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3334     \ifbeamercoloreempty[bg]{note title}{\}%
3335     \insertvrule{.25\paperheight}{note title.bg}%
3336     \vskip-.25\paperheight%
3337     \nointerlineskip%
3338   }%
3339   \vbox{
3340     \hfill\insertslideintonotes{0.25}\hskip-\Gm@rmargin\hskip0pt%
3341     \vskip-0.25\paperheight%
3342     \nointerlineskip
3343     \if@RTL
3344       \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3345         \begin{pgflowlevelscope}{\pgftransformrotate{-90}}
3346           {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3347           \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3348         \end{pgflowlevelscope}
3349       \end{pgfpicture}%
3350     \else
3351       \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3352         \begin{pgflowlevelscope}{\pgftransformrotate{90}}
3353           {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3354           \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3355         \end{pgflowlevelscope}
3356       \end{pgfpicture}%
3357     \fi
3358     \nointerlineskip
3359     \vbox to .25\paperheight{\vskip0.5em
3360     \if@RTL
3361       \moveright0.25\textwidth

```



```

3362 \fi
3363 \hbox{\insertshorttitle[width=0.75\textwidth]}}%
3364 \setbox\beamer@tempbox=\hbox{\insertsection}%
3365
3366 \if@RTL
3367 \moveright\dimexpr0.29\textwidth-14pt\relax
3368 \fi
3369 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3370 width0.4pt height7pt\vrule width 9pt
3371 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}%
3372 \if@RTL\endR\fi}%
3373 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3374
3375 \if@RTL
3376 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3377 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3378 width0.4pt height7pt\vrule width 9pt
3379 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}%
3380 \if@RTL\endR\fi}%
3381 \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3382
3383 \if@RTL
3384 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3385 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule
3386 width0.4pt height7pt\vrule width 9pt
3387 height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi}%
3388 \if@RTL\endR\fi}%
3389 \vfil}%
3390 }%
3391 \ifbeamercolorempy[bg]{note page}{}{%
3392 \nointerlineskip%
3393 \insertvrule{.75\paperheight}{note page.bg}%
3394 \vskip-.75\paperheight%
3395 }%
3396 \vskip.25em
3397 \nointerlineskip
3398 \insertnote
3399 }
3400
3401
3402

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3403 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3404 \bidi@undef\beamer@tmpop@footline@progressbar
3405
3406 \defbeamertemplate*{footline}{progressbar}{%
3407 % If not appendix.
3408 \ifnum\mainend<0% From package appendixnumberbeamer.
3409 %
3410 \settowidth{\focus@pbar@leftoffset}{1}%
3411 \addtolength{\focus@pbar@leftoffset}{1.5em}%
3412 %

```



```

3413 \ifx\beamer@focus@totalframenumbering\no%
3414 \settowidth{\focus@pbar@rightoffset}{}%
3415 \addtolength{\focus@pbar@rightoffset}{0.5em}%
3416 \else%
3417 \settowidth{\focus@pbar@rightoffset}{\inserttotalframenumber}%
3418 \addtolength{\focus@pbar@rightoffset}{1.5em}%
3419 \fi%
3420 %
3421 % If not title page.
3422 \ifnum\value{realframenumber}>0%
3423 \ifnum\value{framenumber}<\inserttotalframenumber%
3424 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footli
3425 \pgfmathsetmacro{\focus@pbar@progress}%
3426 {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inse
3427
3428 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3429 \if@RTLmain
3430 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoff
3431 \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle
3432 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3433 \else
3434 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\fo
3435 \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pb
3436 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,
3437 \fi
3438 \ifx\beamer@focus@totalframenumbering\no%
3439 \else%
3440 \if@RTLmain
3441 \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\t
3442 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=e
3443 \else
3444 \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rig
3445 ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=w
3446 \fi
3447 \fi%
3448 \end{tikzpicture}%
3449 \else%
3450 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3451 \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3452 \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height
3453 \if@RTLmain
3454 \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\
3455 \else
3456 \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightof
3457 \fi
3458 \ifx\beamer@focus@totalframenumbering\no%
3459 \else%
3460 \if@RTLmain
3461 \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\focus@pba
3462 \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{0
3463 \else
3464 \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.
3465 \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rig
3466 \fi

```



```

3467             \fi%
3468         \end{tikzpicture}%
3469     \fi%
3470 \fi%
3471 \fi%
3472 }
3473
3474

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3475 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for
3476 \bidi@csundef{beamer@@tmpop@footline@infolines theme}
3477
3478 \defbeamertemplate*{footline}{infolines theme}
3479 {%
3480     \leavevmode%
3481     \hbox{%
3482         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
3483         \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b
3484         \end{beamercolorbox}}%
3485         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
3486         \usebeamerfont{title in head/foot}\insertshorttitle
3487         \end{beamercolorbox}}%
3488         \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
3489         \hfill%
3490         \usebeamerfont{date in head/foot}%
3491         \insertshortdate{}}%
3492         \hfill%
3493         \bgroup
3494         \usebeamercolor[fg]{page number in head/foot}%
3495         \usebeamerfont{page number in head/foot}%
3496         \usebeamertemplate{page number in head/foot}%
3497         \egroup
3498         \end{beamercolorbox}}}%
3499     \vskip0pt%
3500 }
3501
3502 \bidi@csundef{beamer@@tmpop@headline@infolines theme}
3503
3504 \defbeamertemplate*{headline}{infolines theme}
3505 {%
3506     \leavevmode%
3507     \hbox{%
3508         \if@RTL
3509         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3510         \else
3511         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3512         \fi
3513         \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3514         \end{beamercolorbox}}%
3515         \if@RTL
3516         \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3517         \else

```




```

3518 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
3519 \fi
3520 \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3521 \end{beamercolorbox}}%
3522 \vskip0pt%
3523 }
3524
3525 \bidi@AfterFile{beamerouterthememsplit-xetex-bidi.def}{%
3526 \setbeamertemplate{footline}[infolines theme]%
3527 }
3528

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3529 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3530 \setbeamertemplate{progress bar in head/foot}{
3531 \nointerlineskip
3532 \setlength{\metropolis@progressinheadfoot}{%
3533 \paperwidth * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}%
3534 }%
3535 \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3536 \begin{tikzpicture}
3537 \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3538 \if@RTLmain
3539 \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \metr
3540 \else
3541 \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinheadf
3542 \fi
3543 \end{tikzpicture}%
3544 \end{beamercolorbox}
3545 }
3546
3547 \AtBeginDocument{%
3548 \setbeamertemplate{frametitle}[plain]%
3549 }
3550
3551

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3552 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3553 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3554
3555 \defbeamertemplate*{headline}{miniframes theme}
3556 {%
3557 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3558 \end{beamercolorbox}
3559 \begin{beamercolorbox}{section in head/foot}
3560 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3561 \end{beamercolorbox}%
3562 \ifbeamer@theme@subsection%
3563 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3564 \end{beamercolorbox}
3565 \if@RTL

```



```

3566 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3567 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3568 \else
3569 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3570 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3571 \fi
3572 \usebeamerfont{subsection in head/footer}\insertsubsectionhead
3573 \end{beamercolorbox}%
3574 \fi%
3575 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3576 \end{beamercolorbox}
3577 }
3578
3579

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3580 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
3581 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3582
3583 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3584
3585 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3586
3587 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3588
3589 \ifdim\beamer@headheight>0pt
3590
3591 \defbeamertemplate*{frametitle}{sidebar theme}
3592 {%
3593 \nointerlineskip%
3594 \ifbeamer@plainframe%
3595 \hbox{\usebeamercolor[bg]{frametitle}%
3596 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3597 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\beam
3598 \nointerlineskip%
3599 \fi%
3600 \vskip-\beamer@headheight%
3601 \vbox to \beamer@headheight{%
3602 \vfil
3603 \bidi@beamer@leftskip=-\beamer@leftmargin%
3604 \advance\bidi@beamer@leftskip by0.3cm%
3605 \bidi@beamer@rightskip=-\beamer@rightmargin%
3606 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3607 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
3608 \ifx\insertframesubtitle\@empty\else%
3609 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
3610 \fi%
3611 \vbox{}%
3612 \vskip-1em%
3613 \vfil
3614 }%
3615 }
3616

```



```

3617 \AtBeginDocument{%
3618   \setbeamertemplate{frametitle}[sidebar theme]%
3619 }
3620
3621 \defbeamertemplate*{headline}{sidebar theme}
3622 {%
3623   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3624     \ifx\beamer@sidebarside\beamer@lefttext%
3625       \else%
3626         \hfill%
3627       \fi%
3628     \ifdim\beamer@sidebarwidth>0pt%
3629       \bgroup
3630       \usebeamercolor[bg]{logo}%
3631       \if@RTLmain
3632       \else
3633         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3634         \hskip-\beamer@sidebarwidth%
3635       \fi
3636       \hbox to \beamer@sidebarwidth{\hss\vbox to
3637         \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
3638       \if@RTLmain
3639         \hskip-\beamer@sidebarwidth%
3640         \vrule width\beamer@sidebarwidth height \beamer@headheight%
3641       \fi
3642       \egroup
3643     \else%
3644       \vrule width0pt height \beamer@headheight%
3645     \fi%
3646   \end{beamercolorbox}
3647 }
3648 \fi
3649
3650 \def\beamer@sidebarformat#1#2#3{%
3651 \if@RTL
3652   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#
3653 \else
3654   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#
3655 \fi
3656   \vbox{%
3657     #3\par%
3658     \vbox{%
3659       \vskip-1.5ex%
3660     \end{beamercolorbox}
3661 }
3662
3663 \ifdim\beamer@sidebarwidth>0pt
3664
3665 \AtBeginDocument{%
3666   \setbeamerzsize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3667 }
3668
3669 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
3670 {

```



```

3671 \beamer@tempdim=\beamer@sidebarwidth%
3672 \advance\beamer@tempdim by -6pt%
3673 {\usebeamerfont{title in sidebar}%
3674 \vskip1.5em%
3675 \hskip3pt%
3676 \bgroup
3677 \usebeamercolor[fg]{title in sidebar}%
3678 \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3679 \vskip1.25em%
3680 }%
3681 {%
3682 \hskip3pt%
3683 \bgroup
3684 \usebeamercolor[fg]{author in sidebar}%
3685 \usebeamerfont{author in sidebar}%
3686 \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3687 \vskip1.25em%
3688 }%
3689 \insertverticalnavigation{\beamer@sidebarwidth}%
3690 \vfill
3691 \ifx\beamer@sidebarside\beamer@lefttext%
3692 \else%
3693 \usebeamercolor{normal text}%
3694 \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
3695 \vskip2pt%
3696 \fi%
3697 }%
3698 \fi
3699

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3700 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for bea
3701 \bidi@csundef{beamer@tmpop@footline@split theme}
3702
3703 \defbeamertemplate*{footline}{split theme}
3704 {%
3705 \leavevmode%
3706 \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm pl
3707 \else
3708 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightski
3709 \fi
3710 \usebeamerfont{author in head/foot}\insertshortauthor
3711 \end{beamercolorbox}}%
3712 \if@RTL
3713 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3714 \else
3715 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
3716 \fi
3717 \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
3718 \end{beamercolorbox}}}%
3719 \vskip0pt%
3720 }
3721

```



39 File beamerouterthemeshadow-xetex-bidi.def

```

3723 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
3724 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
3725   color(0pt)=(frametitle right.bg);
3726   color(\paperwidth)=(frametitle.bg)
3727 }
3728
3729 \newcommand*{\bidi@beamer@frametitlesshade}{%
3730   \if@RTLmain
3731     \pgfuses shading{bidi@beamer@RTL@frametitlesshade}%
3732   \else
3733     \pgfuses shading{beamer@frametitlesshade}%
3734   \fi
3735 }
3736
3737 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
3738
3739 \defbeamer template*{frametitle}{shadow theme}
3740 {%
3741   \nointerlineskip%
3742   \vskip-2pt%
3743   \hbox{\leavevmode
3744     \advance\beamer@leftmargin by -12bp%
3745     \advance\beamer@rightmargin by -12bp%
3746     \beamer@tempdim=\textwidth%
3747     \advance\beamer@tempdim by \beamer@leftmargin%
3748     \advance\beamer@tempdim by \beamer@rightmargin%
3749     \hskip-\Gm@lmargin\hbox{%
3750       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3751         \vbox{\vskip-.75ex%
3752           \bidi@beamer@leftskip0.3cm%
3753           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3754           \bgroup\usebeamer color{fg}{frametitle}\usebeamer font{frametitle}\strut\insertframe
3755           \ifx\insertframesubtitle@empty\else%
3756             {\usebeamer font*{framesubtitle}\usebeamer color{fg}{framesubtitle}\insertframesu
3757           \fi%
3758           \nointerlineskip
3759           \vbox{}}%
3760         \end{minipage}}%
3761       \beamer@tempdim=\ht\beamer@tempbox%
3762       \advance\beamer@tempdim by 2pt%
3763       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3764         \begin{pgfscope}
3765           \pgfsetfillcolor{black}%
3766           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3767           \pgfsetfading{beamer@topshadowmask}{}%
3768           \pgfusepath{fill}%
3769         \end{pgfscope}
3770         \begin{pgfscope}
3771           \usebeamer color{frametitle right}%
3772           \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%

```



```

3773         \pgfusepath{clip}%
3774         \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3775         \end{pgfscope}
3776         \end{pgfpicture}
3777         \hskip-\paperwidth%
3778         \box\beamer@tempbox%
3779     }%
3780     \hskip-\Gm@rmargin%
3781 }%
3782 \vskip-2pt
3783 }
3784
3785 \AtBeginDocument{%
3786     \setbeamertemplate{frametitle}[shadow theme]%
3787 }
3788
3789

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3790 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for]
3791 \bidi@csundef{beamer@@tmpop@headline@smoothbars theme}
3792
3793 \bidi@csundef{beamer@@tmpop@frametitle@smoothbars theme}
3794
3795 \defbeamertemplate*{headline}{smoothbars theme}
3796 {%
3797     \pgfuses shading{beamer@barshade}%
3798     \vskip-0.05ex%
3799     \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3800     \begin{pgfpicture}
3801         \begin{pgfscope}%
3802             \ifbeamer@sb@subsection%
3803                 \pgfsetfillcolor{subsection in head/foot.bg}%
3804             \else%
3805                 \pgfsetfillcolor{section in head/foot.bg}%
3806             \fi%
3807             \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3808             \pgfsetfading{beamer@belowframetitlemask}{}%
3809             \pgfusepath{fill}%
3810         \end{pgfscope}%
3811     \end{pgfpicture}%
3812     \end{beamer colorbox}%
3813     \ifbeamer@sb@subsection%
3814         \vskip-9.75ex%
3815     \else%
3816         \vskip-6.85ex%
3817     \fi%
3818     \begin{beamer colorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3819         \insertnavigation{\paperwidth}
3820     \end{beamer colorbox}%
3821     \ifbeamer@sb@subsection%
3822     \if@RTL
3823         \begin{beamer colorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%

```



```

3824     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3825   \else
3826     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3827       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3828     \fi
3829     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3830   \end{beamercolorbox}%
3831 \fi%
3832 }%
3833
3834 \defbeamertemplate*{frametitle}{smoothbars theme}
3835 {%
3836   \nointerlineskip%
3837   \vskip-0.19ex%
3838   \usebeamerfont{headline}%
3839   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3840     \pgfuses shading{beamer@aboveframetitle}%
3841   \end{beamercolorbox}%
3842   \vskip-1ex%
3843   \nointerlineskip%
3844   \if@RTL
3845     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3846   \else
3847     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti
3848   \fi
3849     \vskip0.5ex%
3850     \usebeamerfont*{frametitle}\strut\insertframetitle%
3851     \ifx\insertframesubtitle\@empty%
3852       \strut\par%
3853     \else
3854       \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertf
3855     \fi}%
3856     \usebeamerfont{headline}%
3857     \vskip0.05ex%
3858   \end{beamercolorbox}%
3859   \nointerlineskip%
3860   \vskip-0.05ex%
3861   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3862   \begin{pgfpicture}
3863     \begin{pgfscope}%
3864       \pgfsetfillcolor{frametitle.bg}%
3865       \pgfpathrectangle{\pgfpoint{- .5\paperwidth}{- .5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3866       \pgfsetfading{beamer@belowframetitlemask}{}%
3867       \pgfusepath{fill}%
3868     \end{pgfscope}%
3869   \end{pgfpicture}%
3870   \end{beamercolorbox}%
3871 }
3872
3873 \AtBeginDocument{%
3874   \setbeamertemplate{frametitle}[smoothbars theme]%
3875 }
3876
3877

```



41 File beamerouterthemesmoothtree-xetex-bidi.def

```

3878 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3879 \bidi\csundef{beamer@tmpop@headline@smoothtree theme}
3880
3881 \bidi\csundef{beamer@tmpop@frametitle@smoothtree theme}
3882
3883 \defbeamertertemplate*{headline}{smoothtree theme}
3884 {%
3885   \pgfuses shading{beamer@treeshade}%
3886   \vskip-0.05ex%
3887   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3888   \begin{pgf picture}
3889     \begin{pgf scope}%
3890       \pgfset fillcolor{subsection in head/foot.bg}%
3891       \pgfpath rectangle{\pgf point{-0.5\paperwidth}{-0.5ex}}{\pgf point{\paperwidth}{1ex}}%
3892       \pgfset fading{beamer@belowframetitlemask}%
3893       \pgfuse path{fill}%
3894     \end{pgf scope}%
3895   \end{pgf picture}%
3896   \end{beamer colorbox}%
3897   \vskip-9.15ex%
3898   \if@RTL
3899     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3900       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3901     \else
3902     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3903       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3904       \fi
3905       \usebeamer font{title in head/foot}\insertshorttitle
3906     \end{beamer colorbox}
3907   \if@RTL
3908     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3909       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3910     \else
3911     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3912       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3913       \fi
3914       \usebeamer font{section in head/foot}%
3915       \hskip6pt\insertsectionhead
3916     \end{beamer colorbox}
3917   \if@RTL
3918     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3919       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3920     \else
3921     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3922       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3923       \fi
3924       \usebeamer font{subsection in head/foot}%
3925       \hskip12pt\insertsubsectionhead
3926     \end{beamer colorbox}
3927   \vskip-0.4ex%
3928 }
3929

```




```

3930 \defbeamertemplate*{frametitle}{smoothtree theme}
3931 {%
3932   \nointerlineskip%
3933   \vskip-0.05ex%
3934   \usebeamerfont{headline}%
3935   \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3936     \pgfuses shading{beamer@aboveframetitle}%
3937   \end{beamercolorbox}
3938   \nointerlineskip%
3939   \if@RTL
3940     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3941   \else
3942     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3943   \fi
3944     \vskip-1.2ex%
3945     \usebeamerfont*{frametitle}\strut\insertframetitle%
3946     \ifx\insertframesubtitle\@empty%
3947       \strut\par%
3948     \else
3949       \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}%
3950     \fi%%
3951     \usebeamerfont{headline}%
3952   \end{beamercolorbox}%
3953   \nointerlineskip
3954   \vskip-0.2ex%
3955   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3956   \begin{pgfpicture}
3957     \begin{pgfscope}%
3958       \pgfsetfillcolor{frametitle.bg}%
3959       \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3960       \pgfsetfading{beamer@belowframetitlemask}{}%
3961       \pgfusepath{fill}%
3962     \end{pgfscope}%
3963   \end{pgfpicture}%
3964   \end{beamercolorbox}%
3965 }
3966
3967
3968 \AtBeginDocument{%
3969   \setbeamertemplate{frametitle}[smoothtree theme]%
3970 }
3971
3972

```

42 File beamerouterthemetree-xetex-bidi.def

```

3973 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3974 \bidi@csundef{beamer@tmpop@headline@tree theme}
3975
3976 \defbeamertemplate*{headline}{tree theme}
3977 {%
3978   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3979   \end{beamercolorbox}
3980   \if@RTL

```



```

3981 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3982 rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3983 \else
3984 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3985 leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3986 \fi
3987 \usebeamerfont{title in head/foot}\insertshorttitle
3988 \end{beamercolorbox}
3989 \if@RTL
3990 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3991 rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3992 \else
3993 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3994 leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3995 \fi
3996 \usebeamerfont{section in head/foot}%
3997 \ifbeamer@tree@showhooks
3998 \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3999 \ifdim\wd\beamer@tempbox>1pt%
4000 \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.
4001 \hskip1pt%
4002 \fi%
4003 \else%
4004 \hskip6pt%
4005 \fi%
4006 \insertsectionhead
4007 \end{beamercolorbox}
4008 \if@RTL
4009 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
4010 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
4011 \else
4012 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
4013 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
4014 \fi
4015 \usebeamerfont{subsection in head/foot}%
4016 \ifbeamer@tree@showhooks
4017 \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
4018 \ifdim\wd\beamer@tempbox>1pt%
4019 \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height
4020 \hskip1pt%
4021 \fi%
4022 \else%
4023 \hskip12pt%
4024 \fi%
4025 \insertsubsectionhead
4026 \end{beamercolorbox}
4027 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
4028 \end{beamercolorbox}
4029 }
4030
4031

```

43 File beamerthemeHannover-xetex-bidi.def



```

4032 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beamer]
4033 \AtBeginDocument{%
4034   \if@RTLmain
4035     \setbeamertemplate{frametitle}[default][left]%
4036   \else
4037     \setbeamertemplate{frametitle}[default][right]%
4038   \fi
4039 }
4040
4041

```

44 File beamerthemeSingapore-xetex-bidi.def

```

4042 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
4043 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{%
4044
4045 \beamertemplatedotitem
4046
4047 \AtBeginDocument{%
4048   \setbeamertemplate{frametitle}[default][center]%
4049 }
4050
4051

```

45 File bidi.sty

```

4052 \NeedsTeXFormat{LaTeX2e}
4053 \def\bididate{2025/09/11}
4054 \def\bidi@version{25.09.11}
4055 \def\bidi@releasename{Iran}
4056 \newcommand*{\bidi@releasename}{\bidi@releasename}
4057 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\space]
4058 Bidirectional typesetting in plain TeX and LaTeX]
4059 \newif\if@bidi@banner
4060 \newif\if@bidi@pdfbanner
4061 \newif\iffootdir@debug
4062 \newif\if@extrafootnote@features
4063 \newif\if@nonlatin
4064 \newif\if@bidi@pdfm@mark
4065 \newif\if@bidi@perpage@footnote
4066 \ExplSyntaxOn
4067 \msg_new:nnn {bidi} {cannot-use-engine}
4068 {
4069   Oops!~can-not-use~\c_sys_engine_str.\\
4070   The~bidi~package~requires~XeTeX.
4071 }
4072 \sys_if_engine_xetex:F
4073 {
4074   \msg_fatal:nn {bidi} {cannot-use-engine}
4075 }
4076
4077 \keys_define:nn { bidi }
4078 {
4079   banner .choice: ,

```



```

4080     banner / on .code:n = \@bidi@bannertrue ,
4081     banner / off .code:n = \@bidi@bannerfalse ,
4082     banner .default:n = on
4083 }
4084 \keys_define:nn { bidi }
4085 {
4086     PDFbanner .choice: ,
4087     PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4088     PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4089     PDFbanner .default:n = on
4090 }
4091 \keys_define:nn { bidi }
4092 {
4093     RTLdocument .choice: ,
4094     RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4095     RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4096     RTLdocument .default:n = on
4097 }
4098 \keys_define:nn { bidi }
4099 {
4100     rldocument .choice: ,
4101     rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4102     rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4103     rldocument .default:n = on
4104 }
4105 \keys_define:nn { bidi }
4106 {
4107     documentdirection .choice: ,
4108     documentdirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtrue} ,
4109     documentdirection / lefttoright .code:n = \AtEndOfPackage{\@RTLfalse}
4110 }
4111 \keys_define:nn { bidi }
4112 {
4113     tabledirection .choice: ,
4114     tabledirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtabtrue} ,
4115     tabledirection / lefttoright .code:n = \AtEndOfPackage{\@RTLtabfalse}
4116 }
4117 \keys_define:nn { bidi }
4118 {
4119     footnotedirection .choice: ,
4120     footnotedirection / righttoleft .code:n = \AtEndOfPackage{\@RTL@footnotetrue} ,
4121     footnotedirection / lefttoright .code:n = \AtEndOfPackage{\@RTL@footnotefalse}
4122 }
4123 \keys_define:nn { bidi }
4124 {
4125     debugfootnotedirection .choice: ,
4126     debugfootnotedirection / on .code:n = \footdir@debugtrue ,
4127     debugfootnotedirection / off .code:n = \footdir@debugfalse ,
4128     debugfootnotedirection .default:n = on
4129 }
4130 \keys_define:nn { bidi }
4131 {
4132     footnoterule .choice: ,
4133     footnoterule / automatic .code:n = \AtEndOfPackage{\autofootnoterule} ,

```



```

4134 footnoterule / left .code:n = \AtEndOfPackage{\leftfootnoterule} ,
4135 footnoterule / right .code:n = \AtEndOfPackage{\rightfootnoterule} ,
4136 footnoterule / split .code:n = \AtEndOfPackage{\SplitFootnoteRule} ,
4137 footnoterule / textwidth .code:n = \AtEndOfPackage{\textwidthfootnoterule}
4138 }
4139 \keys_define:nn { bidi }
4140 {
4141   extrafootnotefeatures .choice: ,
4142   extrafootnotefeatures / on .code:n = \@extrafootnotefeaturestrue ,
4143   extrafootnotefeatures / off .code:n = \@extrafootnotefeaturesfalse ,
4144   extrafootnotefeatures .default:n = on
4145 }
4146 \keys_define:nn { bidi }
4147 {
4148   script .choice: ,
4149   script / latin .code:n = \@nonlatinfalse ,
4150   script / nonlatin .code:n = \@nonlatintrue ,
4151   script .default:n = latin
4152 }
4153 \keys_define:nn { bidi }
4154 {
4155   DetectColumn .choice: ,
4156   DetectColumn / on .code:n =
4157     \def\bidi@firstcolumn@status@write{%
4158       \protected@write\@auxout{%
4159         {\string\bidi@column@status
4160           {1}}}}
4161     \def\bidi@lastcolumn@status@write{%
4162       \protected@write\@auxout{%
4163         {\string\bidi@column@status{2}}}} ,
4164   DetectColumn / off .code:n =
4165     \let\bidi@firstcolumn@status@write\relax
4166     \let\bidi@lastcolumn@status@write\relax ,
4167   DetectColumn .default:n = on
4168 }
4169 \keys_define:nn { bidi }
4170 {
4171   logo .choice: ,
4172   logo / on .code:n = \AtEndOfPackage{\AtBeginDocument{\@bidi@inslogo@}} ,
4173   logo / off .code:n = \let\@bidi@logo@\empty \let\@bidi@inslogo@\empty ,
4174   logo .default:n = on
4175 }
4176 \keys_define:nn { bidi }
4177 {
4178   pdfinfo .choice: ,
4179   pdfinfo / on .code:n = \@bidi@pdfm@marktrue ,
4180   pdfinfo / off .code:n = \@bidi@pdfm@markfalse ,
4181   pdfinfo .default:n = on
4182 }
4183 % The `perpagefootnote' option is documented in UK TeX FAQ at
4184 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4185 \keys_define:nn { bidi }
4186 {
4187   perpagefootnote .choice: ,

```



```

4188     perpagefootnote / on .code:n = \@bidi@perpage@footnotetrue ,
4189     perpagefootnote / off .code:n = \@bidi@perpage@footnotefalse ,
4190     perpagefootnote .default:n = on
4191 }
4192 \keys_set:nn { bidi }
4193 {
4194     banner = on ,
4195     PDFbanner = on ,
4196     DetectColumn = off
4197 }
4198 }
4199 \ExplSyntaxOff
4200 \ProcessKeyOptions
4201 \edef\@bidi@info{*****~J%
4202 * ~J%
4203 * bidi package (Bidirectional typesetting with~J%
4204 * plain TeX and LaTeX formats in XeTeX and LuaTeX engines)~J%
4205 * ~J%
4206 * Description: A convenient interface for~J%
4207 * typesetting bidirectional texts in plain TeX~J%
4208 * and LaTeX. The package includes adaptations~J%
4209 * for use with many other commonly-used packages.~J%
4210 * ~J%
4211 * Copyright (c) 2007--2025 Vafa Khalighi~J%
4212 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
4213 * ~J%
4214 * v\bidi@version\space (Release \bidi@releasename), \bididate~J%
4215 * ~J%
4216 * License: LaTeX Project Public License, version~J%
4217 * 1.3c or higher (your choice)~J%
4218 * ~J%
4219 * Location on CTAN: /macros/unicodetex/latex/bidi~J%
4220 * ~J%
4221 * Issue tracker: https://github.com/xepersian/bidi/issues~J%
4222 * ~J%
4223 * Primary author of bidi package: Vafa Khalighi.~J%
4224 * ~J%
4225 *****}
4226 \edef\bidi@everyjob{\the\everyjob}
4227 \if@bidi@banner
4228   \typeout{\@bidi@info}
4229   \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4230 \fi
4231 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
4232 \RequirePackage{biditools}
4233 \RequirePackage{zref-abspage}
4234 \RequirePackage{auxhook}
4235 \RequirePackage{ltxcmds}
4236 \eqnewif{\if@RTLmain}{\if@rlmain}
4237 \eqnewif{\if@RTL}{\if@rl}
4238 \newcommand*{\setlatin}{\@nonlatinfalse}
4239 \newcommand*{\setnonlatin}{\@nonlatintrue}
4240 \eqnewif{\if@RTLtab}{\if@tab@rl}
4241 \newif\if@hboxRconstruct

```



```

4242 \newif\if@bidi@pdfencrypt
4243 \newcommand*{\setRTLtable}{\@RTLtabtrue}
4244 \newcommand*{\setLTRtable}{\@RTLtabfalse}
4245 \newif\if@RTLmarginpar
4246 \newif\if@LTRmarginpar
4247 \newif\if@LTRbibitems
4248 \newif\if@RTLbibitems
4249 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4250 \newif\if@bidi@list@minipage@parbox
4251 \newif\if@bidi@list@minipage@parbox@not@nob
4252 \newcommand*{\@bidi@pdfcreator}{%
4253   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4254 }
4255 \newcommand*{\@bidi@pdfproducer}{%
4256   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4257 }
4258 \newcommand*{\@bidi@pdfcustomproperties}{%
4259   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4260   Released September 11, 2025.
4261 }
4262 \newcommand*{\@bidi@beamer@ragged}{%
4263   \@RTLmainfalse
4264   \AtBeginDocument{%
4265     \if@RTLmain\else
4266       \if@RTL\@RTLmaintrue%
4267       \else\@RTLmainfalse%
4268       \fi%
4269     \fi%
4270 }
4271 \let\n@xt=\
4272 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4273 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4274 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4275 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4276 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4277   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4278 \newinsert\@bidi@copyins@
4279 \skip\@bidi@copyins@=12\p@
4280 \dimen\@bidi@copyins@=40pc
4281 \count\@bidi@copyins@=1000
4282 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
4283 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4284   \if@RTLmain
4285     \if@twocolumn
4286       \hboxR to \columnwidth
4287     \else
4288       \hboxR to \textwidth
4289     \fi
4290   \else
4291     \if@twocolumn
4292       \hboxL to \columnwidth
4293     \else
4294       \hboxL to \textwidth
4295     \fi

```



```

4296 \fi
4297 }
4298 \newcommand*{\@bidi@logo}[1]{%
4299 \toks@{%
4300 \setbox\z@\hbox{%
4301 \special{%
4302 pdf:image width 50pt height 50pt (#1)%
4303 }
4304 }%
4305 \dp\z@\z@
4306 \ht\z@=50pt
4307 \wd\z@=50pt
4308 \beginL
4309 \lower20pt\box\z@
4310 \endL
4311 }%
4312 \the\toks@
4313 }
4314 \newcount\bidi@typesethour
4315 \newcount\bidi@typesetminute
4316 \bidi@typesethour=\time
4317 \divide\bidi@typesethour 60
4318 \bidi@typesetminute=-\bidi@typesethour
4319 \multiply\bidi@typesetminute 60
4320 \advance\bidi@typesetminute \time
4321 \newcommand*{\TypesetHour}{\two@digits\bidi@typesethour}
4322 \newcommand*{\TypesetMinute}{\two@digits\bidi@typesetminute}
4323 \newcommand*{\TypesetTime}{\TypesetHour:\TypesetMinute}
4324 \newcommand*{\@bidi@logo@}{%
4325 \@bidi@logo@hb@xt@columnwidth
4326 {\hss\LRE{\bfseries Typeset {\today} at {\TypesetTime} by the \textsf{bidi}
4327 package\quad\@bidi@logo{bidi-logo.pdf}}}}
4328 \ExplSyntaxOn
4329 \keys_define:nn { bidi / pdfencrypt }
4330 {
4331 userpassword .code:n = \def\bidi@pdfencrypt@userpassword{#1} ,
4332 userpassword .default:n =
4333 }
4334 \keys_define:nn { bidi / pdfencrypt }
4335 {
4336 ownerpassword .code:n = \def\bidi@pdfencrypt@ownerpassword{#1} ,
4337 ownerpassword .default:n =
4338 }
4339 \keys_define:nn { bidi / pdfencrypt }
4340 {
4341 keylength .code:n = \def\bidi@pdfencrypt@keylength{#1} ,
4342 keylength .default:n = 128
4343 }
4344 \keys_define:nn { bidi / pdfencrypt }
4345 {
4346 permissionflags .code:n = \def\bidi@pdfencrypt@permissionflags{#1} ,
4347 permissionflags .default:n = 2052
4348 }
4349 \NewDocumentCommand \pdfencryptsetup {m} { \keys_set:nn { bidi / pdfencrypt } {#1} }

```




```

4350 \ExplSyntaxOff
4351 \@onlypreamble\pdfencryptsetup
4352 \input{latex-xetex-bidi.def}
4353
4354 \pdfencryptsetup{%
4355   userpassword,%
4356   ownerpassword,%
4357   keylength,%
4358   permissionflags%
4359 }
4360
4361 \if@extrafootnotefeatures
4362 \input{extrafootnotefeatures-xetex-bidi.def}
4363 \fi
4364 \newcount\bididigits
4365 \XeTeXinterchartokenstate=\@ne
4366 \newXeTeXintercharclass\bididigits@charclass
4367 \newXeTeXintercharclass\bidisepmark@charclass
4368 \XeTeXcharclass`\.\bidisepmark@charclass
4369 \XeTeXcharclass`\- \bidisepmark@charclass
4370 \bididigits=\@0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
4371 \bididigits=\` \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
4372 \bididigits=\` \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
4373 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
4374 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
4375 \bididigits\AtEndPreamble{%
4376   \if@bidi@perpage@footnote
4377     \RequirePackage{bidi-perpage}%
4378     \ResetCounterPerPage{footnote}%
4379   \fi
4380   \ifx\bidid@pdfencrypt@ownerpassword\bidid@empty
4381     \ifx\bidid@pdfencrypt@userpassword\bidid@empty
4382       \bidid@pdfencryptfalse
4383     \else
4384       \bidid@pdfencrypttrue
4385     \fi
4386   \else
4387     \bidid@pdfencrypttrue
4388   \fi
4389   \if@bidi@pdfencrypt
4390     \special{pdf:encrypt
4391       userpw (\bidid@pdfencrypt@userpassword)
4392       ownerpw (\bidid@pdfencrypt@ownerpassword)
4393       length \bidid@pdfencrypt@keylength
4394       perm \bidid@pdfencrypt@permissionflags
4395     }%
4396   \fi
4397 }
4398 \if@bidi@pdfbanner
4399 \if@bidi@pdfm@mark
4400 \AtEndDocument{%
4401 \special{pdf:%
4402   docinfo<<%
4403     /Creator(\@bidi@pdfcreator)%

```



```

4404         /Producer(\@bidi@pdfproducer)%
4405         /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4406         \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4407             /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4408         }{}%
4409         >>%
4410     }%
4411 }
4412 \else
4413     \AtEndDocument{%
4414         \special{pdf:%
4415             docinfo<<%
4416                 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4417                 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4418                     /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4419                 }{}%
4420             >>%
4421         }%
4422     }
4423 \fi
4424 \else
4425     \if@bidi@pdfm@mark
4426         \AtEndDocument{%
4427             \special{pdf:%
4428                 docinfo<<%
4429                     /Creator(\@bidi@pdfcreator)%
4430                     /Producer(\@bidi@pdfproducer)%
4431                 >>%
4432             }%
4433         }
4434 \fi
4435 \fi

```

46 File bidi.tex

```

4436 \def\bididate{2025/09/11}
4437 \catcode`@=11
4438 \def\bidi@version{25.09.11}
4439 \def\bidi@releasename{Iran}
4440 \def\bidireleasename{\bidi@releasename}
4441 \let \protect \relax
4442 \newlinechar`\^^J
4443 \edef\@bidi@info{*****~J%
4444 * ~J%
4445 * bidi package (Bidirectional typesetting with~J%
4446 * plain TeX and LaTeX formats in XeTeX and LuaTeX engines)~J%
4447 * ~J%
4448 * Description: A convenient interface for~J%
4449 * typesetting bidirectional texts in plain TeX~J%
4450 * and LaTeX. The package includes adaptations~J%
4451 * for use with many other commonly-used packages.~J%
4452 * ~J%
4453 * Copyright (c) 2007--2025 Vafa Khalighi~J%
4454 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%

```



```

4455 * ^^J%
4456 * v\bididate@version\space (Release \bididate@releasename), \bididate^^J%
4457 * ^^J%
4458 * License: LaTeX Project Public License, version^^J%
4459 * 1.3c or higher (your choice)^^J%
4460 * ^^J%
4461 * Location on CTAN: /macros/unicodetex/latex/bidi^^J%
4462 * ^^J%
4463 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4464 * ^^J%
4465 * Primary author of bidi package: Vafa Khalighi.^^J%
4466 * ^^J%
4467 *****}
4468 \edef\bididate@everyjob{\the\everyjob}
4469 \message{\@bididate@info}
4470 \everyjob{\bididate@everyjob\message{\@bididate@info}}
4471 \def\bididate@version{%
4472   \relax
4473   \ifmmode
4474     \bididate@version
4475   \else
4476     $\bididate@version$
4477   \fi
4478 }
4479 \input iftex.sty
4480 \RequireXeTeX
4481 \newif\if@bididate@pdfmark
4482 \newif\if@RTLmain
4483 \newif\if@RTL
4484 \newif\if@hboxRconstruct
4485 \newif\if@sentedir
4486 \newif\if@RTL@footnote
4487 \@RTLmainfalse
4488 \def\setRTLmain{%
4489   \if@RTLmain\else
4490     \if@RTL\@RTLmaintrue%
4491     \else\@RTLmainfalse%
4492     \fi%
4493   \fi%
4494 }
4495 \let\n@xt=\
4496 \protected\def\LRE{\protect\pLRE}%
4497 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4498 \protected\def\RLE{\protect\pRLE}
4499 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4500 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4501   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4502 \newinsert\@bididate@copyins@
4503 \skip\@bididate@copyins@=12\p@
4504 \dimen\@bididate@copyins@=40pc
4505 \count\@bididate@copyins@=1000
4506 \def\@bididate@inslogo@{\insert\@bididate@copyins@{\@bididate@logo@}}
4507 \def\@bididate@logo@hb@xt@{%
4508   \if@RTLmain

```



```

4509 \hboxR to
4510 \else
4511 \hboxL to
4512 \fi
4513 }
4514 \def\@bidi@logo#1{%
4515 \toks@{%
4516 \setbox\z@\hbox{%
4517 \special{%
4518 pdf:image width 50pt height 50pt (#1)%
4519 }
4520 }%
4521 \dp\z@\z@
4522 \ht\z@=50pt
4523 \wd\z@=50pt
4524 \beginL
4525 \lower20pt\box\z@
4526 \endL
4527 }%
4528 \the\toks@
4529 }
4530 \def\today{\ifcase\month\or
4531 January\or February\or March\or April\or May\or June\or
4532 July\or August\or September\or October\or November\or December\fi
4533 \space\number\day, \number\year}
4534 \def\two@digits#1{\ifnum#1<10 0\fi\number#1}
4535 \newcount\@bidi@typesethour
4536 \newcount\@bidi@typesetminute
4537 \@bidi@typesethour=\time
4538 \divide\@bidi@typesethour 60
4539 \@bidi@typesetminute=-\@bidi@typesethour
4540 \multiply\@bidi@typesetminute 60
4541 \advance\@bidi@typesetminute \time
4542 \def\TypesetHour{\two@digits\@bidi@typesethour}
4543 \def\TypesetMinute{\two@digits\@bidi@typesetminute}
4544 \def\TypesetTime{\TypesetHour:\TypesetMinute}
4545 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset {\today} at {\TypesetTime} by
4546 \def\bidilogo{\@bidi@inslogo@}
4547 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4548 \def\@bidi@pdfcreator{%
4549 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \bididate
4550 }
4551 \def\@bidi@pdfproducer{%
4552 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \bididate
4553 }
4554 \def\@bidi@pdfcustomproperties{%
4555 This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4556 Released September 11, 2025.
4557 }
4558 \def\@bidi@pdfm@mark{%
4559 \special{pdf:%
4560 docinfo<<%
4561 \if\@bidi@pdfm@mark
4562 /Creator(\@bidi@pdfcreator)%

```



```

4563      /Producer(\@bidi@pdfproducer)%
4564      \fi
4565      /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4566      >>%
4567      }%
4568 }
4569 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
4570 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
4571 \input plain-xetex-bidi.def
4572 \outer\def\bye{\@bidi@pdfm@mark\par\vfill\supereject\end}
4573 \catcode\@=12
4574 \bidipdfinfoon

```

47 File bidi2in1.sty

```

4575 \NeedsTeXFormat{LaTeX2e}
4576 \ProvidesPackage{bidi2in1}
4577 \pagestyle{plain}
4578 \newcount\evenpage
4579 \newcount\oddpag
4580 \twocolumn
4581 \def\@oddfoot{\evenpage=\thepage%
4582 \multiply\evenpage by 2%
4583 \oddpag=\the\evenpage%
4584 \advance\oddpag by -1%
4585 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
4586 \def\@evenfoot{\evenpage=\thepage%
4587 \multiply\evenpage by 2%
4588 \oddpag=\the\evenpage%
4589 \advance\oddpag by -1%
4590 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
4591 \textwidth 9.49in
4592 \textheight 6.7in
4593 \columnsep 0.9in
4594 \columnseprule 0.125pt
4595 \headheight 0cm
4596 \topmargin 0in
4597 \marginparwidth 0in
4598 \marginparsep 0in
4599 \hoffset 0.05in % Corrected
4600 \voffset -0.5in %top margin space is 1.0in by default
4601 \oddsidemargin 0in
4602 \evensidemargin 0in
4603 \headsep 0cm
4604 \topskip 0cm
4605 \parskip 0.15in %
4606 \headsep 0pt
4607 \special{papersize=11.69in,8.26in}
4608 \renewcommand\maketitle{\par
4609 \begingroup
4610 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4611 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4612 \long\def\@makefntext##1{\parindent 1em\noindent
4613 \hb@xt@1.8em{\%

```



```

4614 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4615 \@maketitle
4616 \@thanks
4617 \endgroup
4618 \setcounter{footnote}{0}%
4619 \global\let\thanks\relax
4620 \global\let\maketitle\relax
4621 \global\let\@maketitle\relax
4622 \global\let\@thanks\@empty
4623 \global\let\@author\@empty
4624 \global\let\@date\@empty
4625 \global\let\@title\@empty
4626 \global\let\title\relax
4627 \global\let\author\relax
4628 \global\let\date\relax
4629 \global\let\and\relax
4630 }

```

48 File bidicode.sty

```

4631 \NeedsTeXFormat{LaTeX2e}
4632 \ProvidesPackage{bidicode}
4633 \RequirePackage{xcolor}
4634 \RequirePackage{showexpl}
4635 \definecolor{hellgelb}{rgb}{1,1,0.85}
4636 \definecolor{colKeys}{rgb}{0.2,0.4,0.8}
4637 \definecolor{colCS}{rgb}{0.2,0.4,0.8}
4638 \definecolor{colIdentifier}{rgb}{0,0,0}
4639 \definecolor{colComments}{rgb}{1,0,0}
4640 \definecolor{colString}{rgb}{0,0.5,0}
4641 \lstset{%
4642     language=[LaTeX]TeX,%
4643     float=hbp,%
4644     basicstyle=\ttfamily\small,%
4645     identifierstyle=\color{colIdentifier},%
4646     keywordstyle=\color{colKeys},%
4647     texcsstyle=\color{colCS},%
4648     stringstyle=\color{colString},%
4649     commentstyle=\color{colComments},%
4650     backgroundcolor=\color{hellgelb},%
4651     columns=flexible,%
4652     tabsize=4,%
4653     extendedchars=true,%
4654     showspaces=false,%
4655     showstringspaces=false,%
4656     numbers=left,%
4657     numbersep=0.9em,%
4658     numberstyle=\tiny,%
4659     frame=single,%
4660     captionpos=b,%
4661     xleftmargin=1em,%
4662     breaklines=true,%
4663     breakautoindent=false,%
4664     breakindent=0pt,%

```



```

4665     escapeinside=**,%
4666     pos=r,%
4667     explpreset={%
4668         xleftmargin=1em,%
4669         columns=flexible,%
4670         language=[LaTeX]TeX%
4671     },%
4672     moretexcs={%
4673         bididate,%
4674         bidiversion,%
4675         deflatinfont,%
4676         defpersianfont,%
4677         ding,%
4678         endLTR,%
4679         endRTL,%
4680         false,%
4681         falsesymbol,%
4682         junicode,%
4683         lr,%
4684         LR,%
4685         LRE,%
4686         LTR,%
4687         maketitle,%
4688         Nastaliq,%
4689         newfontfamily,%
4690         Parsifont,%
4691         part,%
4692         RL,%
4693         RLE,%
4694         RTL,%
4695         RTLcases,%
4696         SepMark,%
4697         setLR,%
4698         setLTR,%
4699         setRL,%
4700         setRTL,%
4701         settextfont,%
4702         subsection,%
4703         subsubsection,%
4704         tableofcontents,%
4705         text,%
4706         theequation,%
4707         thesection,%
4708         true,%
4709         truesymbol,%
4710         XePersian,%
4711         xepersiandate,%
4712         xepersianversion%
4713     },%
4714 }
4715 \newcommand\HLON{%
4716     \gdef\lst@alloverstyle##1{%
4717         \fboxrule=0pt
4718         \fboxsep=0pt

```



```

4719 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4720 }}
4721 \newcommand\HLOFF{%
4722 \xdef\lst@alloverstyle##1{##1}%
4723 }
4724 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
4725 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
4726 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4727 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4728 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4729 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4730 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4731
4732 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4733 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4734 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
4735 \DeclareRobustCommand\lsb{\normalfont\ttfamily{}}
4736 \DeclareRobustCommand\rsb{\normalfont\ttfamily{}}
4737 \DeclareRobustCommand\lrb{\normalfont\ttfamily{}}
4738 \DeclareRobustCommand\rrb{\normalfont\ttfamily{}}
4739
4740 \def\Lcs#1{\nxLcs{#1}}
4741 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4742 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4743
4744 \def\Coordx#1{$x_{#1}$}
4745 \def\Coordy#1{$y_{#1}$}
4746 \def\Coordz#1{$z_{#1}$}
4747 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4748 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4749 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4750 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
4751 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4752 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
4753 \def\coordin{(\Coordx{n},\kern 1pt\Coordy{n})}
4754 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4755 \def\coordx#1{($x_{#1}$)}
4756 \def\coordy#1{($y_{#1}$)}
4757 \def\coordz#1{($z_{#1}$)}
4758 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
4759 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4760
4761 \newsavebox{\boxdef}
4762 \newenvironment{BDef}
4763 {\begin{lrbox}\boxdef
4764 \def\arraystretch{1.0}
4765 \begin{tabular}{@{}l@{}l@{}l@{}}
4766 }
4767 {\end{tabular}\end{lrbox}}
4768
4769 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4770 \aftergroup\@afterindentfalse\aftergroup\@afterheading
4771 }
4772

```




```

4773 \newenvironment{BDef*}
4774   {\begin{lrbox}\boxdef
4775     \def\arraystretch{1.0}
4776     \begin{tabular}{@{}l@{}l@{}l@{}}
4777   }
4778   {\end{tabular}\end{lrbox}
4779   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
4780   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4781 }
4782 \newenvironment{BCmd*}{
4783   \@beginparpenalty-\@lowpenalty
4784   \topsep\BDefaboveskip
4785   \fboxsep3pt
4786   \flushleft}
4787 {\@endparpenalty\@M
4788  \topsepadd\BDefbelowskip
4789  \endflushleft}
4790
4791 \newenvironment{BCmd*}{
4792   \@beginparpenalty\@M
4793   \topsep\BDefinlineskip
4794   \fboxsep3pt
4795   \flushleft}
4796 {\@endparpenalty5000
4797  \endflushleft}
4798
4799 \newskip\BDefaboveskip
4800 \newskip\BDefbelowskip
4801 \newskip\BDefinlineskip
4802 \setlength\BDefaboveskip{10pt plus 4pt}
4803 \setlength\BDefbelowskip{6pt}
4804 \setlength\BDefinlineskip{6pt}
4805
4806 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
4807 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
4808 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4809 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4810 \NeedsTeXFormat{LaTeX2e}
4811 \ProvidesPackage{bidiftnxtra}
4812 \newtoks\bidip@ftn
4813 \let\FN@sfc@footnote\footnote
4814 \let\FN@sfc@LTRfootnote\LTRfootnote
4815 \let\FN@sfc@RTLfootnote\RTLfootnote
4816 \def\footnote{\ifx\protect\@typeset@protect
4817   \expandafter\FN@sfc@footnote
4818   \else
4819     \expandafter\FN@sfc@gobble@opt
4820   \fi
4821 }
4822 \def\LTRfootnote{\ifx\protect\@typeset@protect
4823   \expandafter\FN@sfc@LTRfootnote

```



```

4824 \else
4825 \expandafter\FN@sfgobble@opt
4826 \fi
4827 }
4828 \def\RTLfootnote{\ifx\protect\@typeset@protect
4829 \expandafter\FN@sfgobble@RTLfootnote
4830 \else
4831 \expandafter\FN@sfgobble@opt
4832 \fi
4833 }
4834 \edef\FN@sfgobble@opt{\noexpand\protect
4835 \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
4836 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
4837 \@ifnextchar[%]
4838 \FN@sfgobble@twobrace
4839 \@gobble
4840 }
4841 \def\FN@sfgobble@twobrace[#1]#2{}
4842 \let\FN@sfgobble@footnotemark\footnotemark
4843 \def\footnotemark{\ifx\protect\@typeset@protect
4844 \expandafter\FN@sfgobble@footnotemark
4845 \else
4846 \expandafter\FN@sfgobble@optonly
4847 \fi
4848 }
4849 \edef\FN@sfgobble@optonly{\noexpand\protect
4850 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
4851 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
4852 \@ifnextchar[%]
4853 \FN@sfgobble@brace
4854 }%
4855 }
4856 \def\FN@sfgobble@brace[#1]{}
4857 \def\@tabular{%
4858 \leavevmode \hbox \bgroup
4859 \let\@footnotetext\@bidi@p@ftntext
4860 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4861 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4862 \let\@xfootnotenext\@bidi@p@xftntext
4863 \let\@xfootnote\@bidi@p@xfootnote
4864 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4865 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4866 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4867 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4868 \if@RTLtab\beginR \fi
4869 $\let\@acol\@tabacol
4870 \let\@classz\@tabclassz
4871 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
4872 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4873 \egroup $\if@RTLtab\endR\fi\egroup
4874 \ifx\@captive\@undefined
4875 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4876 \long\def\@bidi@p@ftntext#1{%
4877 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%

```



```

4878 \global\bidip@ftn\expandafter{\@tempy{#1}}}%
4879 \long\def\bidip@LTRftntext#1{%
4880 \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
4881 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
4882 \long\def\bidip@RTLftntext#1{%
4883 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
4884 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
4885
4886
4887 \long\def\bidip@xftntext[#1]#2{%
4888 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
4889
4890 \long\def\bidip@xLTRftntext[#1]#2{%
4891 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
4892
4893 \long\def\bidip@xRTLftntext[#1]#2{%
4894 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
4895
4896
4897 \def\bidip@xfootnote[#1]{%
4898 \begingroup
4899 \csname c@\mpfn\endcsname #1\relax
4900 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4901 \endgroup
4902 \@footnotemark\bidip@xftntext[#1]}
4903
4904
4905 \def\bidip@xLTRfootnote[#1]{%
4906 \begingroup
4907 \csname c@\mpfn\endcsname #1\relax
4908 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4909 \endgroup
4910 \@footnotemark\bidip@xLTRftntext[#1]}
4911
4912
4913 \def\bidip@xRTLfootnote[#1]{%
4914 \begingroup
4915 \csname c@\mpfn\endcsname #1\relax
4916 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4917 \endgroup
4918 \@footnotemark\bidip@xRTLftntext[#1]}
4919
4920 \def\@xfloat #1[#2]{%
4921 \@nodocument
4922 \def \@capttype {#1}%
4923 \def \@fps {#2}%
4924 \@onelevel@sanitize \@fps
4925 \def \reserved@b {!}%
4926 \ifx \reserved@b \@fps
4927 \@fpsadddefault
4928 \else
4929 \ifx \@fps \@empty
4930 \@fpsadddefault
4931 \fi

```



```

4932 \fi
4933 \ifhmode
4934 \@bsphack
4935 \@floatpenalty -\@Mii
4936 \else
4937 \@floatpenalty-\@Miii
4938 \fi
4939 \ifinner
4940 \@parmoderr\@floatpenalty\z@
4941 \else
4942 \@next\@currbox\@freelist
4943 {%
4944 \@tempcnta \sixt@@n
4945 \expandafter \@tfor \expandafter \reserved@a
4946 \expandafter :\expandafter =\@fps
4947 \do
4948 {%
4949 \if \reserved@a h%
4950 \ifodd \@tempcnta
4951 \else
4952 \advance \@tempcnta \@ne
4953 \fi
4954 \fi
4955 \if \reserved@a t%
4956 \setfpsbit \tw@
4957 \fi
4958 \if \reserved@a b%
4959 \setfpsbit 4%
4960 \fi
4961 \if \reserved@a p%
4962 \setfpsbit 8%
4963 \fi
4964 \if \reserved@a !%
4965 \ifnum \@tempcnta>15
4966 \advance\@tempcnta -\sixt@@n\relax
4967 \fi
4968 \fi
4969 }%
4970 \@tempcntb \csname ftype@\@capttype \endcsname
4971 \multiply \@tempcntb \@xxxii
4972 \advance \@tempcnta \@tempcntb
4973 \global \count\@currbox \@tempcnta
4974 }%
4975 \@fltovf
4976 \fi
4977 \global \setbox\@currbox
4978 \color@vbox
4979 \normalcolor
4980 \vbox \bgroup
4981 \let\@footnotetext\@p@ftntext
4982 \let\@LTRfootnotetext\@p@LTRftntext
4983 \let\@RTLfootnotetext\@p@RTLftntext
4984 \let\@xfootnotenext\@p@xftntext
4985 \let\@xfootnote\@p@xfootnote

```



```

4986      \let\@xLTRfootnotenext\bidip@xLTRftntext
4987      \let\@xLTRfootnote\bidip@xLTRfootnote
4988      \let\@xRTLfootnotenext\bidip@xRTLftntext
4989      \let\@xRTLfootnote\bidip@xRTLfootnote
4990      \hsize\columnwidth
4991      \@parboxrestore
4992      \@floatboxreset
4993 }
4994 \def \@endfloatbox{%
4995     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4996     \@minipagefalse
4997     \outer@nobreak
4998     \egroup                %% end of vbox
4999     \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
5000     \color@endbox
5001 }

```

50 File bidimoderncv.cls

```

5002 \NeedsTeXFormat{LaTeX2e}
5003 \ProvidesClass{bidimoderncv}
5004 \newif\if@DEBUG\@DEBUGfalse
5005 \DeclareOption{a4paper}{
5006     \setlength\paperheight{297mm}
5007     \setlength\paperwidth{210mm}}
5008 \DeclareOption{a5paper}{
5009     \setlength\paperheight{210mm}
5010     \setlength\paperwidth{148mm}}
5011 \DeclareOption{b5paper}{
5012     \setlength\paperheight{250mm}
5013     \setlength\paperwidth{176mm}}
5014 \DeclareOption{letterpaper}{
5015     \setlength\paperheight{11in}
5016     \setlength\paperwidth{8.5in}}
5017 \DeclareOption{legalpaper}{
5018     \setlength\paperheight{14in}
5019     \setlength\paperwidth{8.5in}}
5020 \DeclareOption{executivepaper}{
5021     \setlength\paperheight{10.5in}
5022     \setlength\paperwidth{7.25in}}
5023 \DeclareOption{landscape}{
5024     \setlength\@tempdima{\paperheight}
5025     \setlength\paperheight{\paperwidth}
5026     \setlength\paperwidth{\@tempdima}}
5027 \newcommand\@ptsize{}
5028 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
5029 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
5030 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
5031 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
5032 \DeclareOption{final}{\setlength\overfullrule{0pt}}
5033 \newif\if@colour\@colourtrue
5034 \DeclareOption{nocolour}{\@colourfalse}
5035 \ExecuteOptions{a4paper,11pt,colour,final}
5036 \ProcessOptions\relax

```



```

5037 \input{size1\@ptsize.clo}
5038 \RequirePackage{color}
5039 \RequirePackage{graphicx}
5040 \RequirePackage{ifthen}
5041 \RequirePackage{marvosym}
5042 \addtolength{\oddsidemargin}{-54pt}
5043 \addtolength{\textwidth}{109pt}
5044 \addtolength{\topmargin}{-70pt}
5045 \addtolength{\textheight}{122pt}
5046 \addtolength{\marginparsep}{-5pt}
5047 \addtolength{\marginparwidth}{-10pt}
5048 \RequirePackage{url}
5049 \RequirePackage{hyperref}
5050 \hypersetup{%
5051   breaklinks,
5052   baseurl      = http://,%
5053   pdfborder    = 0 0 0,%
5054   pdfpagemode  = UseNone,%
5055   pdfstartpage = 1}
5056 \AtEndOfClass{%
5057   \AtBeginDocument{%
5058     \hypersetup{%
5059       pdfauthor      = \@firstname~\@familyname,%
5060       pdftitle       = \@title,%
5061       pdfsubject     = \@firstname~\@familyname,%
5062       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
5063 \urlstyle{tt}
5064 \RequirePackage{fancyhdr}
5065 \fancypagestyle{plain}{%
5066   \renewcommand{\headrulewidth}{0pt}
5067   \renewcommand{\footrulewidth}{0pt}
5068   \fancyhf{}}
5069 \pagestyle{plain}
5070 \setlength\lineskip{1\p@}
5071 \setlength\normallineskip{1\p@}
5072 \renewcommand\baselinestretch{}
5073 \setlength{\parindent}{0pt}
5074 \setlength{\parskip}{0pt}
5075 \setlength\columnsep{10\p@}
5076 \setlength\columnseprule{0\p@}
5077 \pagestyle{empty}
5078 \pagenumbering{arabic}
5079 \raggedbottom
5080 \onecolumn
5081 \providecommand*\listitemsymbol{\textbullet}
5082 \providecommand*\addresssymbol{}
5083 \providecommand*\mobilesymbol{\Mobilefone}
5084 \providecommand*\phonesymbol{\Telefon}
5085 \providecommand*\faxsymbol{\FAX}
5086 \providecommand*\emailsymbol{\Letter}
5087 \definecolor{firstnamecolor}{rgb}{0,0,0}
5088 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
5089 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
5090 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}

```



```

5091 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
5092 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
5093 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
5094 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
5095 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
5096 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
5097 \providecommand*\{firstnamedfont}{\font}
5098 \providecommand*\{familynamedfont}{\font}
5099 \providecommand*\{titlefont}{\font}
5100 \providecommand*\{addressfont}{\font}
5101 \providecommand*\{quoteFont}{\font}
5102 \providecommand*\{sectionfont}{\font}
5103 \providecommand*\{subsectionfont}{\font}
5104 \providecommand*\{hintfont}{\font}
5105 \providecommand*\{firstnamedstyle}[1]{\font\@firstnamedfont\@firstnamedcolour#1}
5106 \providecommand*\{familynamedstyle}[1]{\font\@familynamedfont\@familynamedcolour#1}
5107 \providecommand*\{titlestyle}[1]{\font\@titlefont\@titlecolour#1}
5108 \providecommand*\{addresstyle}[1]{\font\@addressfont\@addresscolour#1}
5109 \providecommand*\{quotestyle}[1]{\font\@quoteFont\@quotecolour#1}
5110 \providecommand*\{sectionstyle}[1]{\font\@sectionfont\@sectiontitlecolour#1}
5111 \providecommand*\{subsectionstyle}[1]{\font\@subsectionfont\@subsectioncolour#1}
5112 \providecommand*\{hintstyle}[1]{\font\@hintfont\@hintcolour#1}
5113 \newcommand*\{cvtheme}[2]{}
5114 \def\@cvtheme{#2}
5115 \def\@cvthemeoptions{#1}
5116 \cvtheme{bidi-casual}
5117 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
5118 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
5119 \newcommand*\{firstnamed}[1]{\def\@firstnamed{#1}}
5120 \newcommand*\{familynamed}[1]{\def\@familynamed{#1}}
5121 \renewcommand*\{title}[1]{\def\@title{#1}}
5122 \newcommand*\{address}[1]{\def\@address{#1}}
5123 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
5124 \newcommand*\{phone}[1]{\def\@phone{#1}}
5125 \renewcommand*\{fax}[1]{\def\@fax{#1}}
5126 \newcommand*\{email}[1]{\def\@email{#1}}
5127 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
5128 \def\@photowidth{0pt}
5129 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
5130 \newcommand*\{quote}[1]{\def\@quote{#1}}
5131 \newlength{\quotewidth}
5132 \newlength{\hintscolumnwidth}
5133 \newlength{\separatorcolumnwidth}
5134 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5135 \newlength{\maincolumnwidth}
5136 \newlength{\doubleitemmaincolumnwidth}
5137 \newlength{\listitemsymbolwidth}
5138 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
5139 \newlength{\listitemmaincolumnwidth}
5140 \newlength{\listdoubleitemmaincolumnwidth}
5141 \newcommand*\{recomputethemelengths}{}
5142 \newcommand*\{recomputelengths}{%
5143 \setlength{\quotewidth}{0.65\textwidth}%
5144 \setlength{\maincolumnwidth}{\textwidth}%

```



```

5145 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5146 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5147 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
5148 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
5149 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5150 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5151 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5152 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5153 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
5154 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5155 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
5156 \renewcommand{\headwidth}{\textwidth}%
5157 \recomputethemelengths}
5158 \setlength{\hintscolumnwidth}{0.15\textwidth}
5159 \recomputelengths
5160 \title{}
5161 \renewcommand*{\maketitle}{}
5162 \newcommand*{\section}[1]{%
5163 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5164 \phantomsection}%
5165 \addcontentsline{toc}{part}{#1}%
5166 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5167 \hspace{\separatorcolumnwidth}%
5168 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\!ex}}
5169 \newcommand*{\subsection}[1]{%
5170 \cvline[0.45em]{\subsectionstyle{#1}}%
5171 \newcommand*{\cvline}[3][.25em]{%
5172 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
5173 \bidi@raggedleft\hintfont{#2} &{#3}%
5174 \end{tabular}\[\!#1}}
5175 \newcommand*{\cvdoubleitem}[4]{%
5176 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5177 \hfill%
5178 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\
5179 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
5180 \cvline[Opt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
5181 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
5182 \cvline[Opt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
5183 \hfill%
5184 \ifthenelse{\equal{#3}{}}%
5185 {}%
5186 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
5187 \newcommand*{\cventry}[6]{%
5188 \cvline{#1}{%
5189 {\bfseries#2}%
5190 \ifx#3\else{, {\slshape#3}}\fi%
5191 \ifx#4\else{, #4}\fi%
5192 \ifx#5\else{, #5}\fi%
5193 .%
5194 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
5195 }%
5196 \newcommand*{\cvlanguage}[3]{%
5197 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin
5198 \newcommand*{\cvcomputer}[4]{%

```




```

5199 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
5200 \newcommand*{\link}[2][{}]{%
5201 \ifthenelse{\equal{#1}{}}{%
5202 {\href{#2}{#2}}%
5203 {\href{#2}{#1}}}
5204 \newcommand*{\httplink}[2][{}]{%
5205 \ifthenelse{\equal{#1}{}}{%
5206 {\href{http://#2}{#2}}%
5207 {\href{http://#2}{#1}}}
5208 \newcommand*{\emailink}[2][{}]{%
5209 \ifthenelse{\equal{#1}{}}{%
5210 {\href{mailto:#2}{#2}}%
5211 {\href{mailto:#2}{#1}}}
5212 \newif\if@displaypagenumbers\@displaypagenumberstrue
5213 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5214 \AtBeginDocument{%
5215 \if@displaypagenumbers%
5216 \ifundefined{r@lastpage}{\fi%
5217 \ifthenelse{\pageref{lastpage} > 1}{%
5218 \fancypagestyle{plain}{%
5219 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
5220 \pagestyle{plain}}}{\fi}%
5221 \AtEndDocument{\label{lastpage}}%
5222 \fi}
5223 \newlength{\bibindent}
5224 \setlength{\bibindent}{1.5em}
5225 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5226 \newenvironment{thebibliography}[1]{%
5227 {%
5228 \section{\refname}%
5229 \small%
5230 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5231 \bidi@thebibliography@font@hook%
5232 \begin{list}{\bibliographyitemlabel}%
5233 {%
5234 \setlength{\topsep}{0pt}%
5235 \setlength{\labelwidth}{\hintscolumnwidth}%
5236 \setlength{\labelsep}{\separatorcolumnwidth}%
5237 \leftmargin\labelwidth%
5238 \advance\leftmargin\labelsep%
5239 \@openbib@code%
5240 \usecounter{enumiv}%
5241 \let\p@enumiv\empty%
5242 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5243 \sloppy\clubpenalty4000\widowpenalty4000%
5244 }%
5245 {%
5246 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5247 \end{list}%
5248 }
5249 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5250 \let\@openbib@code\empty

```



51 File bidi-perpage.sty

```

5251 \NeedsTeXFormat{LaTeX2e}
5252 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5253 \newcount\bidi@page@count
5254 \bidi@page@count\@ne
5255 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
5256   \if@bidi@csundef{bidi@stepcounterhook@#2}{%
5257     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{%
5258   }}%
5259   \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5260     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5261   }}%
5262   \if@bidi@csundef{bidi@#2@count}{%
5263     \expandafter\newcount\csname bidi@#2@count\endcsname
5264   }}%
5265   \csname bidi@#2@count\endcsname\z@
5266   \if@bidi@csundef{bidi@previous@page@#2@count}{%
5267     \expandafter\newcount\csname
5268       bidi@previous@page@#2@count\endcsname
5269   }}%
5270   \csname bidi@previous@page@#2@count\endcsname\z@
5271   \if@bidi@csundef{bidi@reset@#2@perpage}{%
5272     \bidi@AfterEndDocumentCheckLabelsRerun{%
5273       \csname if@bidi@reset@#2@rerun\endcsname
5274         \PackageWarningNoLine{bidi-perpage}{%
5275           Counter `#2' may not have been reset per page.
5276           Rerun to reset counter `#2' per page%
5277         }%
5278       \fi
5279     }%
5280   }}%
5281   \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5282     \global\advance\csname bidi@#2@count\endcsname\@ne
5283     \if@filesw
5284       \edef\@tempa{%
5285         \write\@auxout{%
5286           \string\bidi@counter@page{#2}%
5287           {\number\csname bidi@#2@count\endcsname}%
5288           {\noexpand\number\noexpand\bidi@page@count}%
5289         }%
5290       }%
5291       \@tempa
5292     \fi
5293     \begingroup\expandafter\expandafter\expandafter\endgroup
5294     \expandafter\ifx\csname bidi@#2@@\number\csname
5295       bidi@#2@count\endcsname\endcsname\relax
5296       \global\csname @bidi@reset@#2@reruntrue\endcsname
5297     \else
5298       \global\csname @bidi@reset@#2@rerunfalse\endcsname
5299       \expandafter\@tempcnta\csname bidi@#2@@\number
5300         \csname bidi@#2@count\endcsname\endcsname\relax
5301       \ifnum\@tempcnta=\csname
5302         bidi@previous@page@#2@count\endcsname

```



```

5303 \else
5304 \global\csname
5305 bidi@previous@page@@#2@count\endcsname\@tempcnta
5306 \global\csname c@#2\endcsname#1\relax
5307 \fi
5308 \fi
5309 }%
5310 \expandafter\bidi@gappto\csname
5311 bidi@stepcounterhook@@#2\endcsname{%
5312 \csname bidi@reset@#2@perpage\endcsname
5313 }%
5314 }
5315 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
5316 \bidi@AtEndOutputPage{%
5317 \global\advance\bidi@page@count\@ne
5318 }

```

52 File biditools.sty

```

5319 \NeedsTeXFormat{LaTeX2e}
5320 \ProvidesPackage{biditools}[2025/02/02 v2.7 Programming tools for bidi package]
5321 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
5322 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5323 \ifx\@tempa\@tempb \global\let#2#1%
5324 \else
5325 \edef\@tempb{\meaning#2}%
5326 \ifx\@tempa\@tempb
5327 \else
5328 \latex@error{Unable to properly define \string#2; primitive
5329 \noexpand#1no longer primitive}\@eha
5330 \fi
5331 \fi
5332 \endgroup}
5333 \newtoks\@bidi@envbody
5334 \newtoks\@bidi@emptytoks
5335 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5336 \def\bidi@collect@body#1{%
5337 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5338 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5339 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5340 \begingroup
5341 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
5342 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5343 \bidi@process@envbody
5344 }
5345 \def\bidi@push@begins#1\begin#2{%
5346 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
5347 }
5348 \def\bidi@collect@@body#1\end#2{%
5349 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5350 \ifx\@empty\begin@bidi@stack
5351 \endgroup
5352 \checkend{#2}%
5353 \bidi@addto@envbody{#1}%

```



```

5354 \else
5355   \bidi@addto@envbody{#1\end{#2}}%
5356 \fi
5357 \bidi@process@envbody % A little tricky! Note the grouping
5358 }
5359 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5360 \long\def\bidi@collect@long@body#1{%
5361   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5362   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
5363   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5364   \begingroup
5365   \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
5366   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
5367   \bidi@process@envbody
5368 }
5369 \long\def\bidi@push@long@begins#1\begin#2{%
5370   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
5371 }
5372 \long\def\bidi@collect@long@@body#1\end#2{%
5373   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
5374   \ifx\@empty\begin@bidi@stack
5375     \endgroup
5376     \@checkend{#2}%
5377     \bidi@addto@long@envbody{#1}%
5378   \else
5379     \bidi@addto@long@envbody{#1\end{#2}}%
5380   \fi
5381   \bidi@process@envbody % A little tricky! Note the grouping
5382 }
5383 \long\def\bidi@new@ifnextchar#1#2#3{%
5384   \let\reserved@d= #1%
5385   \def\reserved@a{#2}\def\reserved@b{#3}%
5386   \futurelet\@let@token\bidi@new@ifnch
5387 }
5388 \def\bidi@new@ifnch{%
5389   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5390   \reserved@b
5391 }
5392 \def\bidi@matrix@check#1{%
5393   \expandafter\ifx\csname\@currentvir\endcsname#1%
5394   \else\bidi@matrix@error#1%
5395     \expandafter\@gobble
5396   \fi
5397 }
5398 \def\bidi@matrix@error#1{%
5399   \PackageError{biditools}{%
5400 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5401 }{%
5402 ``\string#1{...}' is old bidi package syntax whose use is
5403 ill-advised in the old versions of bidi package.%
5404 }%
5405 }
5406 \def\eqnewif#1#2{%
5407   \count@\escapechar \escapechar\m@ne

```



```

5408 \let#1\iffalse
5409 \let#2\iffalse
5410 \eq@if#1#2\iftrue
5411 \eq@if#1#2\iffalse
5412 \escapechar\count@}
5413 \def\eq@if#1#2#3{%
5414 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5415 \expandafter@gobbletwo\string#3\endcsname
5416 {\let#1#3%
5417 \let#2#3}%
5418 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5419 \expandafter@gobbletwo\string#3\endcsname
5420 {\let#2#3%
5421 \let#1#3}}
5422 \def\noteqnewif#1#2{%
5423 \count@\escapechar \escapechar\m@ne
5424 \let#1\iffalse
5425 \let#2\iffalse
5426 \not@eq@if#1#2\iftrue\iffalse
5427 \escapechar\count@}
5428 \def\not@eq@if#1#2#3#4{%
5429 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5430 \expandafter@gobbletwo\string#3\endcsname
5431 {\let#1#3%
5432 \let#2#4}%
5433 \expandafter\def\csname\expandafter@gobbletwo\string#1%
5434 \expandafter@gobbletwo\string#4\endcsname
5435 {\let#1#4%
5436 \let#2#3}%
5437 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5438 \expandafter@gobbletwo\string#3\endcsname
5439 {\let#2#3%
5440 \let#1#4}%
5441 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5442 \expandafter@gobbletwo\string#4\endcsname
5443 {\let#2#4%
5444 \let#1#3}}
5445 \newcommand*\SetBoolean}[2]{%
5446 \lowercase{\def\@tempa{#2}}%
5447 \@ifundefined{\@tempa}{%
5448 {\PackageError{biditytools}%
5449 {You can only set a boolean to `true' or `false'}\@ehc}%
5450 {\@ifundefined{#1\@tempa}%
5451 {\PackageError{biditytools}{Boolean #1 undefined}\@ehc}%
5452 {\csname#1\@tempa\endcsname}}}%
5453 \newcommand*\GlobalSetBoolean}[2]{%
5454 \lowercase{\def\@tempa{#2}}%
5455 \@ifundefined{\@tempa}{%
5456 {\PackageError{biditytools}%
5457 {You can only set a boolean to `true' or `false'}\@ehc}%
5458 {\@ifundefined{#1\@tempa}%
5459 {\PackageError{biditytools}{Boolean #1 undefined}\@ehc}%
5460 {\global\csname#1\@tempa\endcsname}}}%
5461 \newcommand*\SetatBoolean}[2]{%

```



```

5462 \lowercase{\def\@tempa{#2}}%
5463 \@ifundefined{@tempwa\@tempa}%
5464 {\PackageError{biditools}%
5465   {You can only set a boolean to `true' or `false'}\@ehc}%
5466 {\@ifundefined{@#1\@tempa}%
5467   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5468   {\csname @#1\@tempa\endcsname}}}%
5469 \newcommand*\@GlobalSetatBoolean}[2]{%
5470 \lowercase{\def\@tempa{#2}}%
5471 \@ifundefined{@tempwa\@tempa}%
5472 {\PackageError{biditools}%
5473   {You can only set a boolean to `true' or `false'}\@ehc}%
5474 {\@ifundefined{@#1\@tempa}%
5475   {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5476   {\global\csname @#1\@tempa\endcsname}}}%
5477 \def\@bidi@removefromreset#1#2{%
5478 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5479 \def\@elt##1{%
5480 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5481 \else
5482 \noexpand\@elt{##1}%
5483 \fi}%
5484 \expandafter\xdef\csname cl@#2\endcsname{%
5485 \csname cl@#2\endcsname}}}%
5486 \newcommand*\@ifRtoL{%
5487 \if@RTL
5488 \expandafter\@firstoftwo
5489 \else
5490 \expandafter\@secondoftwo
5491 \fi}%
5492 \newcommand*\@ifLtoR{%
5493 \if@RTL
5494 \expandafter\@secondoftwo
5495 \else
5496 \expandafter\@firstoftwo
5497 \fi}%
5498 \newcommand*\@ifRtoLtable{%
5499 \if@RTLtab
5500 \expandafter\@firstoftwo
5501 \else
5502 \expandafter\@secondoftwo
5503 \fi}%
5504 \newcommand*\@ifLtoRtable{%
5505 \if@RTLtab
5506 \expandafter\@secondoftwo
5507 \else
5508 \expandafter\@firstoftwo
5509 \fi}%
5510 \newcommand*\@ifRtoLhboxconstruct{%
5511 \if@hboxRconstruct
5512 \expandafter\@firstoftwo
5513 \else
5514 \expandafter\@secondoftwo
5515 \fi}%

```



```

5516 \newcommand*{\ifLtoRhboxconstruct}{%
5517   \if@hboxRconstruct
5518     \expandafter\@secondoftwo
5519   \else
5520     \expandafter\@firstoftwo
5521   \fi}
5522 \newcommand*{\iflatin}{%
5523   \if@nonlatin
5524     \expandafter\@secondoftwo
5525   \else
5526     \expandafter\@firstoftwo
5527   \fi}
5528 \newcommand*{\ifnonlatin}{%
5529   \if@nonlatin
5530     \expandafter\@firstoftwo
5531   \else
5532     \expandafter\@secondoftwo
5533   \fi}
5534
5535 \newcommand*{\bidi@@convert@dimen@t@unit}[2]{%
5536   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5537
5538 \newcommand*{\bidi@@convert@dimen@t@pt}[1]{%
5539   \dimexpr #1*65536/\dimexpr 1pt\relax}
5540
5541 \newcommand*{\IfPackageVersionAtLeastTF}[1]{%
5542   \expandafter\@if@ver@pkg@least\csname #1@version\endcsname
5543 }
5544 \newcommand*{\@if@ver@pkg@least}[2]{%
5545   \ifnum\expandafter\bidi@parse@ver@#100\@nil<\expandafter\bidi@parse@ver@#200\@nil
5546     \expandafter\@secondoftwo
5547   \else
5548     \expandafter\@firstoftwo
5549   \fi
5550 }
5551 \newcommand*{\bidi@parse@ver@}[1]{\bidi@parse@ver0#1}
5552 \def\bidi@parse@ver#1.#2.#3#4#5\@nil{%
5553   \if\relax#2\relax\else#1\fi#2#3#4
5554 }
5555 \newcommand*{\IfPackageVersionAtMostTF}[1]{%
5556   \expandafter\@if@ver@pkg@most\csname #1@version\endcsname
5557 }
5558 \newcommand*{\@if@ver@pkg@most}[2]{%
5559   \ifnum\expandafter\bidi@parse@ver@#100\@nil>\expandafter\bidi@parse@ver@#200\@nil
5560     \expandafter\@secondoftwo
5561   \else
5562     \expandafter\@firstoftwo
5563   \fi
5564 }
5565 \newcommand*{\IfPackageVersionTF}[1]{%
5566   \expandafter\@if@ver@pkg@\csname #1@version\endcsname
5567 }
5568 \newcommand*{\@if@ver@pkg@}[2]{%
5569   \ifnum\expandafter\bidi@parse@ver@#100\@nil=\expandafter\bidi@parse@ver@#200\@nil

```



```

5570     \expandafter\@firstoftwo
5571   \else
5572     \expandafter\@secondoftwo
5573   \fi
5574 }
5575
5576 \newcommand*{\if@bidi@csdef}[1]{%
5577   \ifcsname#1\endcsname
5578     \expandafter\@firstoftwo
5579   \else
5580     \expandafter\@secondoftwo
5581   \fi}
5582 \newcommand*{\if@bidi@csundef}[1]{%
5583   \ifcsname#1\endcsname
5584     \expandafter\ifx\csname#1\endcsname\relax
5585       \expandafter\expandafter
5586       \expandafter\@firstoftwo
5587     \else
5588       \expandafter\expandafter
5589       \expandafter\@secondoftwo
5590     \fi
5591   \else
5592     \expandafter\@firstoftwo
5593   \fi}
5594 \newcommand{\if@bidi@def}[1]{%
5595   \ifdefined#1%
5596     \expandafter\@firstoftwo
5597   \else
5598     \expandafter\@secondoftwo
5599   \fi}
5600 \newcommand{\if@bidi@undef}[1]{%
5601   \ifdefined#1%
5602     \ifx#1\relax
5603       \expandafter\expandafter
5604       \expandafter\@firstoftwo
5605     \else
5606       \expandafter\expandafter
5607       \expandafter\@secondoftwo
5608     \fi
5609   \else
5610     \expandafter\@firstoftwo
5611   \fi}
5612 \newcommand{\if@bidi@blank}[1]{% from url.sty
5613   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5614 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
5615 \newcommand{\bidi@notblank}[1]{%
5616   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5617 \newcommand{\if@bidi@defmacro}{%
5618 \long\edef\if@bidi@defmacro#1{%
5619   \noexpand\expandafter\noexpand\bidi@ifdefmacro
5620   \noexpand\meaning#1\detokenize{macro}:&}
5621 \edef\bidi@ifdefmacro{%
5622   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5623 \bidi@ifdefmacro{\bidi@notblank{#2}}

```




```

5624 \newcommand*{\if@bidi@csmacro}[1]{%
5625   \if@bidi@csdef{#1}
5626     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5627     {\@secondoftwo}}
5628 \newcommand{\if@bidi@defprimitive}[1]{%
5629   \ifprimitive#1%
5630     \expandafter\@firstoftwo
5631   \else
5632     \expandafter\@secondoftwo
5633   \fi}
5634 \newcommand{\if@bidi@csprimitive}[1]{%
5635   \begingroup\expandafter\expandafter\expandafter\endgroup%
5636   \expandafter\ifprimitive\csname#1\endcsname%
5637   \expandafter\@firstoftwo
5638   \else
5639     \expandafter\@secondoftwo
5640   \fi}
5641 \newcommand*{\bidi@csdefcs}[2]{%
5642   \expandafter\@ifdefinable \csname#1\endcsname{%
5643     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5644   \newcommand*{\bidi@csletcs}[2]{%
5645     \expandafter\@ifdefinable \csname#1\endcsname{%
5646       \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}
5647     \newcommand*{\bidi@cslet}[2]{%
5648       \expandafter\@ifdefinable \csname#1\endcsname{%
5649         \expandafter\let\csname#1\endcsname#2}}
5650   \newcommand{\bidi@namelongdef}[1]{%
5651     \long\expandafter\def\csname #1\endcsname}
5652   \newcommand{\bidi@namelonggdef}[1]{%
5653     \long\expandafter\gdef\csname #1\endcsname}
5654   \newcommand{\bidi@namelongedef}[1]{%
5655     \long\expandafter\edef\csname #1\endcsname}
5656   \newcommand{\bidi@namelongxdef}[1]{%
5657     \long\expandafter\xdef\csname #1\endcsname}
5658   \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5659   \def\bidi@ensure@new@command#1{%
5660     \begingroup \escapechar\m@ne\xdef\@gtempa{\{string#1\}}\endgroup
5661     \expandafter\if@bidi@csundef\@gtempa
5662       {\new@command#1}{\relax%
5663       \let\@ifdefinable\@rc@ifdefinable%
5664       \new@command#1}}
5665   \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
5666
5667 \protected\def\bidi@error{\PackageError{bidi}}
5668 \protected\def\bidi@warning{\PackageWarning{bidi}}
5669 \protected\def\bidi@warningnoline{\PackageWarningNoLine{bidi}}
5670 \protected\def\bidi@info{\PackageInfo{bidi}}
5671
5672 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@#2@#3}{#4}}
5673
5674 \newcount\bidi@poscount
5675
5676 \newcommand*{\WriteStartXPostoaux}{%
5677   \global\advance\bidi@poscount\@ne

```



```

5678 \edef\@tempa{%
5679 \write\@auxout{%
5680 \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5681 }%
5682 }%
5683 \ifvmode
5684 \leavevmode
5685 \fi
5686 \if@RTL
5687 \if@filesw
5688 \@tempa
5689 \fi
5690 \pdfsavepos
5691 \else
5692 \pdfsavepos
5693 \if@filesw
5694 \@tempa
5695 \fi
5696 \fi
5697 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
5698 \PackageWarningNoLine{biditools}{%
5699 The start x position '\number\bidiposcount' is not known yet.
5700 Rerun to get this x position%
5701 }%
5702 }{}%
5703 }
5704
5705 \newcommand*\WriteEndXPostoaux{%
5706 \edef\@tempa{%
5707 \write\@auxout{%
5708 \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5709 }%
5710 }%
5711 \if@RTL
5712 \if@filesw
5713 \@tempa
5714 \fi
5715 \pdfsavepos
5716 \else
5717 \pdfsavepos
5718 \if@filesw
5719 \@tempa
5720 \fi
5721 \fi
5722 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
5723 \PackageWarningNoLine{biditools}{%
5724 The end x position '\number\bidiposcount' is not known yet.
5725 Rerun to get this x position%
5726 }%
5727 }{}%
5728 }
5729
5730 \newcommand*\WriteStartYPostoaux{%
5731 \global\advance\bidiposcount\@ne

```



```

5732 \edef\@tempa{%
5733 \write\@auxout{%
5734 \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdfasty
5735 }%
5736 }%
5737 \ifvmode
5738 \leavevmode
5739 \fi
5740 \if@RTL
5741 \if@filesw
5742 \@tempa
5743 \fi
5744 \pdfsavepos
5745 \else
5746 \pdfsavepos
5747 \if@filesw
5748 \@tempa
5749 \fi
5750 \fi
5751 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
5752 \PackageWarningNoLine{biditools}{%
5753 The start y position `\'number\bidiposcount' is not known yet.
5754 Rerun to get this y position%
5755 }%
5756 }{}%
5757 }
5758
5759 \newcommand*\WriteEndYPostoaux{%
5760 \edef\@tempa{%
5761 \write\@auxout{%
5762 \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdfasty
5763 }%
5764 }%
5765 \if@RTL
5766 \if@filesw
5767 \@tempa
5768 \fi
5769 \pdfsavepos
5770 \else
5771 \pdfsavepos
5772 \if@filesw
5773 \@tempa
5774 \fi
5775 \fi
5776 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
5777 \PackageWarningNoLine{biditools}{%
5778 The end y position `\'number\bidiposcount' is not known yet.
5779 Rerun to get this y position%
5780 }%
5781 }{}%
5782 }
5783
5784 \newcommand*\WriteStartXYPostoaux{%
5785 \global\advance\bidiposcount\@ne

```



```

5786 \edef\@tempa{%
5787 \write\@auxout{%
5788 \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5789 }%
5790 \write\@auxout{%
5791 \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
5792 }%
5793 }%
5794 \ifvmode
5795 \leavevmode
5796 \fi
5797 \if@RTL
5798 \if@filesw
5799 \@tempa
5800 \fi
5801 \pdfsavepos
5802 \else
5803 \pdfsavepos
5804 \if@filesw
5805 \@tempa
5806 \fi
5807 \fi
5808 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
5809 \PackageWarningNoLine{biditytools}{%
5810 The start x position '\number\bidiposcount' is not known yet.
5811 Rerun to get this x position%
5812 }%
5813 }{}%
5814 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
5815 \PackageWarningNoLine{biditytools}{%
5816 The start y position '\number\bidiposcount' is not known yet.
5817 Rerun to get this y position%
5818 }%
5819 }{}%
5820 }
5821
5822 \newcommand*\WriteEndXYPostoaux{%
5823 \edef\@tempa{%
5824 \write\@auxout{%
5825 \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
5826 }%
5827 \write\@auxout{%
5828 \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
5829 }%
5830 }%
5831 \if@RTL
5832 \if@filesw
5833 \@tempa
5834 \fi
5835 \pdfsavepos
5836 \else
5837 \pdfsavepos
5838 \if@filesw
5839 \@tempa

```



```

5840 \fi
5841 \fi
5842 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
5843     \PackageWarningNoLine{biditools}{%
5844         The end x position ` \number\bidi@poscount' is not known yet.
5845         Rerun to get this x position%
5846     }%
5847 }{%
5848 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
5849     \PackageWarningNoLine{biditools}{%
5850         The end y position ` \number\bidi@poscount' is not known yet.
5851         Rerun to get this y position%
5852     }%
5853 }{%
5854 }
5855
5856 \newcommand*{\currentposxwidth}{%
5857 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
5858 {%
5859     \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
5860     \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
5861     \endcsname
5862     \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
5863     \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
5864     \endcsname sp\relax
5865 \else
5866     \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
5867     \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
5868     \endcsname sp\relax
5869 \fi
5870 }%
5871 }
5872
5873 \newcommand*{\currentposyheight}{%
5874 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
5875 {%
5876     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
5877     \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
5878     \endcsname sp\relax
5879 }%
5880 }
5881
5882
5883
5884 \newcommand*{\setbaselineskip}[1]{%
5885     \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5886     \selectfont
5887 }
5888
5889
5890 \newcommand*{\bidi@newrobustcmd}{%
5891 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5892
5893 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}

```



```

5894
5895 \def\bidinewcommand#1[#2]{%
5896   \@ifnextchar[%
5897     {\bidixargdef#1[#2]}
5898     {\ifx\l@ngrel@x\relax
5899       \let\l@ngrel@x\protected
5900       \else
5901         \protected\def\l@ngrel@x{\protected\long}%
5902       \fi
5903     \@argdef#1[#2]}}
5904
5905 \long\def\bidixargdef#1[#2][#3]#4{%
5906   \@ifdefinable#1{%
5907     \expandafter\protected
5908     \expandafter\def
5909     \expandafter#1%
5910     \expandafter{%
5911       \expandafter\@testopt
5912       \csname\string#1\endcsname{#3}}%
5913     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
5914
5915 \bidinewrobustcmd*{\bidirenewrobustcmd}{\@star@or@long\bidirenew@command}
5916
5917 \def\bidirenew@command#1{%
5918   \if@bidi@undef{#1}
5919     {\bidierror{\string#1 undefined}\@ehc}
5920     {}%
5921   \let\@ifdefinable\@rc@ifdefinable
5922   \bidinew@command#1}
5923
5924
5925
5926 \bidinewrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidiprove@command}
5927
5928 \def\bidiprove@command#1{%
5929   \if@bidi@undef{#1}
5930     {\def\reserved@a{\bidinew@command#1}}
5931     {\def\reserved@a{\bidirenew@command\reserved@a}}%
5932   \reserved@a}
5933
5934 \newcommand*{\bidicsuse}[1]{%
5935   \ifcsname#1\endcsname
5936     \csname#1\expandafter\endcsname
5937   \fi}
5938
5939 \newcommand{\bidieexpandonce}[1]{%
5940   \unexpanded\expandafter{#1}}
5941
5942 \def\bidiprotected{%
5943   \let\@@protect\protect
5944   \let\protect\@unexpandable@protect
5945   \afterassignment\restore@protect}
5946
5947 \bidinewrobustcmd{\bidi@appto}[2]{%

```



```

5948 \if@bidi@undef{#1}
5949   {\edef#1{\unexpanded{#2}}}
5950   {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5951 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5952   \if@bidi@undef{#1}
5953     {\edef#1{#2}}
5954     {\edef#1{\bidi@expandonce#1#2}}}
5955 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5956   \if@bidi@undef{#1}
5957     {\xdef#1{\unexpanded{#2}}}
5958     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5959 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5960   \if@bidi@undef{#1}
5961     {\xdef#1{#2}}
5962     {\xdef#1{\bidi@expandonce#1#2}}}
5963
5964 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5965 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5966
5967
5968
5969 \bidi@newrobustcmd{\bidi@preto}[2]{%
5970   \if@bidi@undef{#1}
5971     {\edef#1{\unexpanded{#2}}}
5972     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5973 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5974   \if@bidi@undef{#1}
5975     {\edef#1{#2}}
5976     {\edef#1{#2\bidi@expandonce#1}}}
5977 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5978   \if@bidi@undef{#1}
5979     {\xdef#1{\unexpanded{#2}}}
5980     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5981 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5982   \if@bidi@undef{#1}
5983     {\xdef#1{#2}}
5984     {\xdef#1{#2\bidi@expandonce#1}}}
5985
5986 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5987 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5988
5989
5990
5991 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5992 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5993 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5994 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5995 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5996 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5997
5998
5999
6000 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
6001 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}

```



```

6002 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
6003 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
6004 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
6005 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
6006
6007
6008
6009 \bidi@newrobustcmd{\if@bidi@patchable}{%
6010   \bidi@dbg@trce\if@bidi@patchable
6011   \begingroup
6012   \@makeother\%
6013   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
6014
6015 \long\def\bidi@ifpatchable#1#2{%
6016   \endgroup
6017   \bidi@dbg@init#1%
6018   \if@bidi@undef{#1}
6019     {\bidi@dbg@fail{def}\@secondoftwo}
6020     {\bidi@dbg@info{def}%
6021       \if@bidi@defmacro{#1}
6022         {\bidi@dbg@info{mac}%
6023           \bidi@ifscanable{#1}
6024             {\bidi@ifhashcheck{#2}
6025               {\bidi@dbg@info{tok}%
6026                 \bidi@ifpattern#1{#2}
6027                   {\bidi@dbg@info{pat}%
6028                     \bidi@dbg@info{pos}\@firstoftwo}
6029                     {\bidi@dbg@fail{pat}\@secondoftwo}}
6030                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
6031                   {\bidi@dbg@fail{tok}\@secondoftwo}}
6032                   {\bidi@dbg@fail{mac}\@secondoftwo}}}
6033
6034 \long\def\bidi@ifpatchable@i#1{%
6035   \endgroup
6036   \bidi@dbg@init#1%
6037   \if@bidi@undef{#1}
6038     {\bidi@dbg@fail{def}\@secondoftwo}
6039     {\bidi@dbg@info{def}%
6040       \if@bidi@defmacro{#1}
6041         {\bidi@dbg@info{mac}%
6042           \if@bidi@defparam{#1}
6043             {\bidi@dbg@info{prm}%
6044               \bidi@ifscanable{#1}
6045                 {\bidi@dbg@info{tok}%
6046                   \bidi@dbg@info{pos}\@firstoftwo}
6047                   {\bidi@dbg@fail{tok}\@secondoftwo}}
6048                 {\bidi@dbg@info{prl}%
6049                   \if@bidi@defprotected{#1}
6050                     {\bidi@dbg@info{pro}}
6051                     {}%
6052                   \bidi@dbg@info{pos}\@firstoftwo}}
6053                 {\bidi@dbg@fail{mac}\@secondoftwo}}}
6054
6055 \bidi@newrobustcmd*{\bidi@patchcmd}{%

```




```

6056 \bidi@dbg@trce\bidi@patchcmd
6057 \begingroup
6058 \@makeother\%
6059 \bidi@@patchcmd}
6060
6061 \newcommand{\bidi@patchcmd}[4][#####1]{%
6062 \bidi@ifpatchable#2{#3}
6063 {\bidi@dbg@succ{ret}}%
6064 \begingroup
6065 \edef\bidi@resrvda{%
6066 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
6067 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
6068 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
6069 ####1\detokenize{#4}####2}%
6070 \edef\noexpand\bidi@resrvda{%
6071 \noexpand\bidi@resrvda\meaning#2&}}%
6072 \bidi@resrvda
6073 \bidi@patchcmd@scantoks\bidi@resrvda
6074 \let#2\bidi@resrvda
6075 \bidi@undef\bidi@resrvda
6076 \@firstoftwo}
6077 {\@secondoftwo}}
6078
6079 \def\bidi@patchcmd@scantoks#1{%
6080 \edef\bidi@resrvda{\endgroup
6081 \unexpanded{\makeatletter\scantokens}{#1}%
6082 \catcode\number`\@=\the\catcode`\@ \relax}%
6083 \bidi@resrvda}
6084
6085 \protected\def\bidi@ifscanable#1{%
6086 \begingroup
6087 \edef\bidi@resrvda{%
6088 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
6089 ####1\def\string\bidi@resrvda####2{####3}}%
6090 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
6091 \bidi@resrvda
6092 \makeatletter
6093 \scantokens\expandafter{\bidi@resrvda}%
6094 \expandafter\endgroup\ifx#1\bidi@resrvda
6095 \expandafter\@firstoftwo
6096 \else
6097 \expandafter\@secondoftwo
6098 \fi}
6099
6100
6101 \protected\long\def\bidi@ifhashcheck#1{%
6102 \begingroup
6103 \edef\bidi@resrvda{\detokenize{#1}}%
6104 \expandafter\endgroup
6105 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
6106
6107 \edef\bidi@ifhashcheck@i#1&{%
6108 \noexpand\expandafter
6109 \noexpand\bidi@ifhashcheck@ii

```



```

6110 \noexpand\strip@prefix#1\string#\string#&}
6111
6112 \edef\bidi@ifhashcheck@ii{%
6113 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
6114 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
6115
6116
6117 \protected\long\def\bidi@ifpattern#1#2{%
6118 \begingroup
6119 \edef\bidi@resrvda{%
6120 \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
6121 \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{###2}}}%
6122 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
6123 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
6124 \noexpand\bidi@resrvda}
6125 \bidi@resrvda\@secondoftwo\@firstoftwo}
6126
6127
6128 \newcommand{\if@bidi@defparam}{%
6129 \long\edef\if@bidi@defparam#1{%
6130 \noexpand\expandafter\noexpand\bidi@ifdefparam
6131 \noexpand\meaning#1\detokenize{macro}:->&}
6132 \edef\bidi@ifdefparam{%
6133 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
6134 \bidi@ifdefparam{\bidi@notblank{#2}}
6135
6136
6137 \newcommand{\if@bidi@defprotected}{%
6138 \long\edef\if@bidi@defprotected#1{%
6139 \noexpand\expandafter\noexpand\bidi@ifdefprotected
6140 \noexpand\meaning#1\string\protected&}
6141 \edef\bidi@ifdefprotected{%
6142 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
6143 \bidi@ifdefprotected{\bidi@notblank{#2}}
6144
6145
6146 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
6147 \bidi@newrobustcmd{\bidi@csundef}[1]{%
6148 \expandafter\let\csname #1\endcsname\bidi@undefined
6149 }
6150
6151 \let\bidi@dbg@trce\@gobble
6152 \let\bidi@dbg@init\@gobble
6153 \let\bidi@dbg@info\@gobble
6154 \let\bidi@dbg@succ\@gobble
6155 \let\bidi@dbg@fail\@gobble
6156
6157
6158
6159 \bidi@newrobustcmd*{\bidi@apptocmd}{%
6160 \bidi@dbg@trce\bidi@apptocmd
6161 \begingroup
6162 \@makeother\#%
6163 \bidi@hooktocmd\bidi@append}

```



```

6164
6165
6166
6167 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6168   \bidi@dbg@trce\bidi@pretocmd
6169   \begingroup
6170   \@makeother\#%
6171   \bidi@hooktocmd\bidi@prepend}
6172
6173 \long\def\bidi@hooktocmd#1#2#3{%
6174   \endgroup
6175   \bidi@dbg@init#2%
6176   \if@bidi@undef{#2}
6177     {\bidi@dbg@fail{def}\@secondoftwo}
6178     {\bidi@dbg@info{def}%
6179       \if@bidi@defmacro{#2}
6180         {\bidi@dbg@info{mac}%
6181           \if@bidi@defparam{#2}
6182             {\bidi@dbg@info{prm}%
6183               \bidi@ifscanable{#2}
6184                 {\bidi@ifhashcheck{#3}
6185                   {\bidi@dbg@info{tok}%
6186                     \bidi@dbg@succ{ret}%
6187                     \bidi@hooktocmd@i#1#2{#3}%
6188                     \@firstoftwo}
6189                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
6190                 {\bidi@dbg@fail{tok}\@secondoftwo}}
6191             {\bidi@dbg@info{prl}%
6192               \if@bidi@defprotected{#2}
6193                 {\bidi@dbg@info{pro}%
6194                   \bidi@dbg@succ{red}%
6195                   \protected}
6196                 {\bidi@dbg@succ{red}}}%
6197             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6198             \@firstoftwo}}
6199     {\bidi@dbg@fail{mac}\@secondoftwo}}
6200
6201 \long\def\bidi@hooktocmd@i#1#2#3{%
6202   \begingroup
6203   \edef\bidi@resrvda{%
6204     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6205       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
6206     \edef\noexpand\bidi@resrvda{%
6207       \noexpand\bidi@resrvda\meaning#2&}}%
6208   \bidi@resrvda
6209   \bidi@patchcmd@scantoks\bidi@resrvda
6210   \let#2\bidi@resrvda
6211   \bidi@undef\bidi@resrvda}
6212
6213 \long\def\bidi@append#1#2{#1#2}
6214 \long\def\bidi@prepend#1#2{#2#1}
6215
6216 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6217 %\newcommand*{\bidi@endpreamblehook}{

```



```

6218
6219 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}}%
6220
6221 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}%
6222 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6223
6224 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}%
6225 \newcommand*{\bidi@beforeheaderhook}{}
6226
6227 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput}%
6228 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6229
6230 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutput}%
6231 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6232
6233 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}%
6234 \newcommand*{\bidi@beforefooterhook}{}
6235
6236 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}%
6237 \newcommand*{\bidi@afterfooterhook}{}
6238
6239
6240 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipout}%
6241 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6242
6243 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}%
6244 \newcommand*{\bidi@atendoutputpagehook}{}
6245
6246 %\bidi@preto\document{%
6247 % \endgroup
6248 % \let\bidi@AtEndPreamble\@firstofone
6249 % \bidi@endpreamblehook
6250 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6251 % \bidi@undef\bidi@endpreamblehook
6252 % \begin{group}
6253
6254 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}%
6255 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}%
6256
6257 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}%
6258 %\newcommand*{\bidi@afterendpreamblehook}{}
6259
6260 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}}%
6261
6262 %\bidi@appto\document{%
6263 % \let\bidi@AfterEndPreamble\@firstofone
6264 % \bidi@afterendpreamblehook
6265 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6266 % \bidi@undef\bidi@afterendpreamblehook
6267 % \ignorespaces}
6268
6269 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerun}%
6270 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
6271

```



```

6272 \bidi@patchcmd\enddocument
6273   {\fi}
6274   {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
6275     \bidi@afterenddocumentchecklabelssrerunhook
6276     \fi}
6277   {}
6278   {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
6279
6280 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
6281
6282 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
6283 \newcommand*{\bidi@afterlastshipouthook}{}
6284
6285 \bidi@patchcmd\enddocument
6286   {\clearpage}
6287   {\clearpage
6288     \let\bidi@AfterLastShipout\@firstofone
6289     \bidi@afterlastshipouthook}
6290   {}
6291   {\let\bidi@clearpage\clearpage
6292     \def\clearpage{%
6293       \bidi@clearpage
6294       \let\bidi@AfterLastShipout\@firstofone
6295       \bidi@afterlastshipouthook}}
6296
6297 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
6298 %\newcommand*{\bidi@afterenddocumenthook}{}
6299
6300 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
6301
6302 %\bidi@patchcmd\enddocument
6303 % {\deadcycles}
6304 % {\let\bidi@AfterEndDocument\@firstofone
6305 %   \bidi@afterenddocumenthook
6306 %   \deadcycles}
6307 % {}
6308 % {\let\bidi@@end\@end
6309 %   \def\@end{%
6310 %     \let\bidi@AfterEndDocument\@firstofone
6311 %     \bidi@afterenddocumenthook
6312 %     \bidi@@end}}
6313
6314 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
6315   \bidi@csgappto{\bidi@begin@#1@hook}}
6316
6317 % Patch \begin<space> and \end<space> in newer LaTeX releases
6318 % \begin and \end in older ones.
6319 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6320   {\csname #1\endcsname}
6321   {\bidi@csuse{\bidi@begin@#1@hook}%
6322     \csname #1\endcsname}
6323   {}
6324   {\bidi@warning{%
6325     Patching '\string\begin' failed!\MessageBreak

```



```

6326 '\string\bid@AtBeginEnvironment' will not work\@gobble}}
6327
6328
6329
6330 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
6331 \bid@csgappto{@bid@end@#1@hook}}
6332
6333 \expandafter\bid@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6334 {\csname end#1\endcsname}
6335 {\bid@csuse{@bid@end@#1@hook}%
6336 \csname end#1\endcsname}
6337 {}
6338 {\bid@warning{%
6339 Patching '\string\end' failed!\MessageBreak
6340 '\string\bid@AtEndEnvironment' will not work\@gobble}}
6341
6342
6343
6344 \bid@newrobustcmd{\bid@BeforeBeginEnvironment}[1]{%
6345 \bid@csgappto{@bid@beforebegin@#1@hook}}
6346
6347 \expandafter\bid@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6348 {\bid@csuse{@bid@beforebegin@#1@hook}}
6349 {}
6350 {\bid@warning{%
6351 Patching '\string\begin' failed!\MessageBreak
6352 '\string\bid@BeforeBeginEnvironment' will not work\@gobble}}
6353
6354 \bid@newrobustcmd{\bid@AfterEndEnvironment}[1]{%
6355 \bid@csgappto{@bid@afterend@#1@hook}}
6356
6357 \expandafter\bid@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6358 {\if@ignore}
6359 {\bid@csuse{@bid@afterend@#1@hook}%
6360 \if@ignore}
6361 {}
6362 {\bid@warning{%
6363 Patching '\string\end' failed!\MessageBreak
6364 '\string\bid@AfterEndEnvironment' will not work\@gobble}}
6365
6366 \def\bid@namedef#1{\expandafter\def\csname #1\endcsname}
6367 \def\bid@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6368 \def\bid@nameedef#1{\expandafter\edef\csname #1\endcsname}
6369 \def\bid@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6370
6371 % From David Carlisle:
6372 % The \@stpelt redefinition below belongs to Heiko Oberdiek
6373 % See also https://github.com/ho-tex/oberdiek/issues/26
6374
6375 \let\@bid@stepcounter\stepcounter
6376 \let\@bid@\stpelt\@stpelt
6377
6378 \def\@stpelt#1{%
6379 \ifcsname bid@reset@#1@perpage\endcsname

```



```

6380 \begingroup
6381 \let\stepcounter\@bidi@stepcounter
6382 \@bidi@@stpelt{#1}%
6383 \endgroup
6384 \expandafter\@gobbletwo
6385 \fi
6386 \@bidi@@stpelt{#1}%
6387 }
6388
6389 \bidi@pretocmd\stepcounter
6390 {%
6391 \if@bidi@csundef{bidi@stepcounterhook@@#1}{%
6392 \csname bidi@stepcounterhook@@#1\endcsname
6393 }%
6394 }-}%
6395 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6396
6397 \chardef\bidi@backslash`\\
6398 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6399
6400 % anonymous control sequences
6401 \newcount\bidi@tempcountb
6402 \newtoks\bidi@temptoksa
6403 \newtoks\bidi@temptoksb
6404
6405 % Catcode (re)storing
6406 %
6407 \def\bidi@storecatcode#1%
6408 {\escapechar\m@ne
6409 \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6410 {\catcode`\string#1=
6411 \the\catcode\expandafter`\string#1}%
6412 \catcode\expandafter`\string#1=12\relax
6413 \escapechar`\\ \relax}
6414 \def\bidi@restorecatcode#1%
6415 {\escapechar\m@ne
6416 \csname bidi@restorecatcode\string#1\endcsname
6417 \escapechar`\\ \relax}
6418
6419 % Construct a control sequence inside \edef
6420 %
6421 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6422
6423 % Construct a control sequence out of #2, and give it to #1
6424 %
6425 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6426
6427 % Pick an escapecharacter
6428 % this presumes that its argument is a character.
6429 %
6430 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6431
6432 % Equality of strings.
6433 % the fast approach: does not work in expansion-only environment.

```



```

6434 %
6435 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
6436     \ifx\bidieqs@a\bidieqs@b}
6437
6438 % Test by expansion only
6439 %
6440 \def\bidiequalstringX#1#2{00\fi
6441     \csname if\@bidiequalstringX#1&#2$\endcsname}
6442 \def\@bidiequalstringX#1#2$#3#4$\ifx#1#3%
6443     \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
6444     \else false\fi}
6445 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
6446
6447 % Lexicographic ordering
6448 % note the use of \def
6449 % also note the characters 0,127,255 that are used,
6450 % these are not supposed to appear in the strings
6451 %
6452 {\catcode0=12 \catcode255=12 \catcode127=12
6453 \gdef\bidistringbeforeNC#1#2{00\fi
6454     \bidicharsbefore#1^^@^^?#2^^ff^^?}%
6455 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
6456     \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
6457     \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
6458     \else\ifnum\lccode`#1<\lccode`#3
6459         \def\bidinext{\csname iftrue\endcsname}%
6460     \else\ifnum\lccode`#1>\lccode`#3
6461         \def\bidinext{\csname iffalse\endcsname}%
6462     \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6463     \fi \fi \fi \fi
6464     \bidinext}
6465 \gdef\bidistringbefore#1#2{00\fi
6466     \bidicharsbefore#1^^@^^?#2^^ff^^?}%
6467 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
6468     \ifnum`#1<`#3
6469         \def\bidinext{\csname iftrue\endcsname}%
6470     \else\ifnum`#1>`#3
6471         \def\bidinext{\csname iffalse\endcsname}%
6472     \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
6473     \fi\fi
6474     \bidinext}
6475 }
6476
6477 % Null argument test
6478 %
6479 \def\bidieempty{}
6480 \def\bidieifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidie@null}
6481 \def\bidieifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidie@null}
6482 %\def\bidieifempty#1{\def\bidiecs@a{#1}\ifx\bidiecs@a\bidieempty}
6483 \def\bidieisemptylist#1{00\fi\def\bidiecs@a{#1}\ifx\cs@a\bidieempty}
6484
6485 % Next character test
6486 %
6487 \def\bidienextchar#1#2#3{00\fi

```




```

6488 \let\bidixnt@ch#1\def\bidixnt@a{#2}\def\bidixnt@b{#3}%
6489 \futurelet\bidixnt@c\@bidixntc}
6490 \def\bidixnt@ifNextChar#1#2#3{%
6491 \let\bidixnt@ch#1\def\bidixnt@a{#2}\def\bidixnt@b{#3}%
6492 \futurelet\bidixnt@c\@bidixntc}
6493 \def\@bidixntc{\ifx\bidixnt@ch\bidixnt@c \expandafter\bidixnt@a
6494 \else \expandafter\bidixnt@b \fi}
6495
6496 % Test for defined-ness of string as control sequence.
6497 % works inside \edef
6498 %
6499 \def\bidixnt@undefinedcs#1{00\fi\bidixnt@csarg\ifx{#1}\relax}
6500
6501 % Define uniquely defined dummy macros,
6502 % usually to serve as bumper blocks at the end of a list
6503 %
6504 \newcount\bidixnt@dummies
6505 \def\DefNewDummy#1{
6506 \if\bidixnt@undefinedcs{#1}\bidixnt@csarg\edef{#1}{\bidixnt@dum\the\bidixnt@dummies}
6507 \advance\bidixnt@dummies\@ne
6508 \else
6509 \bidixnt@error{Attempt at second definition of `#1'}
6510 \fi}
6511
6512 % string case statement
6513 % use: \bidixnt@switch \iftest{...} in:
6514 % item1 action1
6515 % ...
6516 % itemn actionn
6517 % default defaultaction [optional]
6518 % \endbidixnt@switch
6519 % inspired by Jonathan Fine: Some Basic Control Macros
6520 % Tugboat 12 #4
6521 %
6522 \let\@bidixnt\fi \let\endbidixnt@switch\relax \DefNewDummy{\bidixnt@default}
6523 \def\bidixnt@switch@exit #1 \@bidixnt\fi #2 \endbidixnt@switch {\fi #1}
6524 \def\bidixnt@switch #1#2#3{\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6525 #1{#2}\bidixnt@switch@exit #3 \@bidixnt\fi
6526 \bidixnt@switch {#1}
6527 }
6528 % this version puts the test object in {}
6529 \def\bidixnt@oswitch #1 in: #2 #3; {\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6530 #1{#2}\bidixnt@switch@exit #3 \@bidixnt\fi
6531 \bidixnt@switch #1 in:
6532 }
6533 % this version assumes that the test object is just one character
6534 \def\bidixnt@cswitch #1 in: #2 #3; {\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6535 #1#2\bidixnt@switch@exit #3 \@bidixnt\fi
6536 \bidixnt@cswitch #1 in:
6537 }
6538 % this version assumes that the test object can have an optional space
6539 \def\bidixnt@bswitch #1 in: #2 #3; {\bidixnt@csarg\ifx{#2}\bidixnt@default\bidixnt@switch@exit #3 \@bidixnt\fi
6540 #1#2 \bidixnt@switch@exit #3 \@bidixnt\fi
6541 \bidixnt@bswitch #1 in:

```



```

6542 }
6543 % this version can cope with significant spaces at the start of #3;
6544 % #2 is macro argument
6545 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
6546 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6547 \bidimswitch #1 in:
6548 }
6549 % idem; #2 does not have to be enclosed in braces
6550 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
6551 #1#2 \bidi@switch@exit #3 \@bidi@fi
6552 \bidi@fswitch #1 in:
6553 }
6554
6555 % Routines for taking the value of a string:
6556 % if the string is defined as control sequence
6557 % take the value of that, otherwise take the string itself
6558
6559 % String or value of control sequence
6560 %
6561 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6562
6563 % String or control sequence
6564 %
6565 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6566
6567 % String or \noexpand-ed control sequence;
6568 % for use in \edef
6569 %
6570 \newif\ifbidi@in@label
6571 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6572 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6573 \newtoks\bidi@are@these@correct
6574 \def\bidi@t@w@w#1{%
6575 \if\bidi@undefinedcs{#1}#1%
6576 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
6577 \else
6578 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6579
6580 % List Manipulation .....
6581 % this assumes that #1 is a list of tokens, #2 is the name of a list
6582 %
6583 % Names of lists (and of items to pop into) are given as strings;
6584 % not as control sequences.
6585 %
6586 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
6587 % basic append/prepend macro
6588 \long\def\@bidi@append@to@clist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6589 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}
6590 \long\def\@bidi@prepend@to@clist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6591 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
6592 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@clist}
6593 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@clist}
6594 % variations:
6595 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}

```



```

6596 \long\def\bidiprepend@to@list#1#2{\@bidiprepend@to@list{#1}{#2}}
6597 \def\bidiprepend@list@to@list#1#2{%
6598   \@bidiprepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}%
6599 \def\bidiprepend@list@to@list#1#2{%
6600   \@bidiprepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}%
6601 \def\bidiprepend@csl@list@to@csl@list#1#2{%
6602   \@bidiprepend@to@csl@list{#1}{\expandafter\the#2}}
6603 \def\bidiprepend@csl@list@to@csl@list#1#2{%
6604   \@bidiprepend@to@csl@list{#1}{\expandafter\the#2}}
6605 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@to@list{#1}{\expandafter\the#2}}
6606 \def\bidiprepend@toks@cs@to@list#1#2{\@bidiprepend@to@list{#1}{\expandafter\the#2}}
6607
6608 \let\bidibeenhskip\unhskip
6609
6610 % A few list macros for the user
6611 \def\NewTokenList:#1 {\@bidicsarg\newtoks{#1}\global\csname#1\endcsname{}}
6612 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6613 \long\def\AppendToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{#2}}
6614 \long\def\PrependToTokenList:#1=#2 {\@bidiprepend@to@list{#1}{#2}}
6615 \def\TheTokenList:#1 {\let\bidibeenhskip\bidibeenhskip \let\bidibeenhskip\empty
6616   \if\bidibeenhskip{#1}\bidibeenhskip{Token List <#1> undefined}
6617   \else\bidibeenhskip\the#1\fi
6618   \let\bidibeenhskip\bidibeenhskip}
6619
6620 \def\bididel@tok@from@list#1#2{\begingroup
6621   \long\def\bidics@list#1#2#3{\biditok@SM
6622     {\biditoks@list#1}\biditoks@list#2}%
6623     \edef\bidics@listb{\global\bidicsname{#1}=
6624       {\the\biditoks@list#1}\the\biditoks@list#2}%
6625     \bidics@listb}%
6626     \edef\bidics@list{\noexpand\bidics@list#1}\expandafter\the\csname#1\endcsname\noexpand
6627     \bidics@listb \endgroup}
6628 \def\bidibeenhskip@of@list#1{\bidicsarg{\let\expandafter\bidics@list#1}%
6629   \bidibeenhskip@of@csl@list\bidics@list#1}
6630 \long\def\bidibeenhskip@of@csl@list#1#2{\begingroup\biditoks@list#1#2}%
6631   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@list#1}
6632   \endgroup}
6633 \long\def\bidibeenhskip@local@in@front@of@list#1#2{\biditoks@list#1#2}%
6634   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
6635   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
6636   \expandafter\the\csname#1\endcsname}%
6637   }
6638 \def\bidibeenhskip@set@list#1{\bidicsarg{\let\expandafter\bidics@list#1}%
6639   \bidibeenhskip@set@csl@list\bidics@list#1}
6640 \long\def\bidibeenhskip@set@csl@list#1#2{\begingroup\biditoks@list#1#2}%
6641   \global#1=\expandafter\the\biditoks@list#1\endgroup}
6642
6643 %%%%%%%%%%%%%%% Stack macros
6644 %
6645 % push in terms of prepending of lists
6646 \def\bidipush@cs@onto@cs#1#2{\@bidiprepend@to@csl@list#1\expandafter\expandafter\expandafter
6647 \def\bidipush@onto@cs#1{\bidicsarg\bidipush@onto@cs{#1}}
6648 \def\bidipush@onto@cs#1#2{\@bidiprepend@to@csl@list#1}{\the#2}}
6649 \def\bidibeenhskip@local@push@onto@cs#1#2{\let\bidibeenhskip\relax

```



```

6650 \bidi@local@in@front@of@list{#1}{\{\{#2\}\}}
6651 % pop via auxiliary macro: #1 is result, #2 is stack
6652 % two cs arguments
6653 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
6654 {\noexpand\@@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@@bidi@pop}\bidi@cs@e}
6655 % two string arguments
6656 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
6657 {\noexpand\@@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@@b
6658 \long\def\@@bidi@popinto#1#2\#3#4\@@bidi@pop{#1{#3}#2{#4}}
6659 \def\bidi@copy@stacktop#1#2{%
6660 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
6661 {#1}\bidi@csarg\the{#2}\noexpand\@@bidi@pop}%
6662 \bidi@cs@e}
6663 \def\bidi@copy@stacktop#1\#2#3\@@bidi@pop{\csname#1\endcsname#2\relax}
6664 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
6665 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
6666 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
6667 \bidi@stack@length\@ne \the#1}
6668 % turn a stack upside down
6669 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
6670 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
6671 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6672 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@ne
6673 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
6674 % \bidi@append@clist@to@clist\bidi@temptoksb\bidi@temptoksa% append a to b
6675 % \bidi@temptoksa\bidi@temptoksb
6676 \repeat% copy b to a
6677 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6678 % invert a stack into a list
6679 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
6680 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
6681 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
6682 \bidi@pop@into\bidi@temptoksb{#1}\advance\bidi@stack@length\@ne
6683 \bidi@append@list@to@list\bidi@temptoksb{\bidi@temptoksa}\repeat
6684 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
6685
6686
6687 % General loop macro:
6688 % \looprepeat
6689 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6690 % \untilcondition{<cond>} \whilecondition{<cond>}
6691 % \doloopbody { <loop body> }
6692 % where all control sequences in between \looprepeat and \doloopbody are optional.
6693 %
6694 % var: characters to form a control sequence;
6695 % after \forvariable{index} you can access the loop counter as \index.
6696 % This is a count register; to print it use \number\index.
6697 % start,step,end: integers with obvious relations to the loop counter;
6698 % start and step have a default value of 1
6699 % cond: (sequence of commands ending in) any TeX \if... test.
6700 %
6701 % Count down instead of up with \downtovalue; the increment given in \bystep
6702 % is always positive, and is added or subtracted accordingly.
6703 %

```



```

6704 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6705 % at the beginning of the loop body.
6706 %
6707 % Exit from middle of loop: \breaklooprepeat
6708 % use this at any place in the loop; in case of a conditional use
6709 % \ifsomething ... \expandafter \breaklooprepeat \fi
6710 %
6711 % Note that the line ends do not cause spaces in the output.
6712 %
6713 % Technical details:
6714 % The loop body is not executed in a group: the braces are those
6715 % of a token list.
6716 % The 'forvariable' variable is \let to a \count register.
6717
6718
6719
6720 % Auxiliary stuff
6721 \def\bidilooptrepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6722 \def\bidilooptrepeat@csromannumeral#1{\csname #1\romannumeral\bidilooptrepeat@depth\endcsname}
6723 \def\bidilooptrepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooptrepeat@depth\endcsname}
6724
6725 \newcount\bidilooptrepeat@depth
6726 \let\endlooprepeat\relax \def\bidilooptprotect{}
6727 % Trace switches may later be defined by PAC_utils
6728 \let\bidilooptrepeat@traceinit\relax \let\bidilooptrepeat@traceexit\relax
6729
6730 % Main repeatloop macro
6731 % - go to next level and allocate unique counter/toks if this is the
6732 % first time we visit this level
6733 % - setup: gather bounds and termination conditions
6734 % - scoop up body in token list; after the assignment define and
6735 % execute body
6736 \def\looprepeat#1\do loopbody{\bidilooptrepeat@traceinit % exit in \breakrepeatloop
6737 \advance\bidilooptrepeat@depth\one\relax
6738 \bidilooptrepeat@csargromannumeral\ifx{\bidilooptrepeat@count}\relax
6739 \bidilooptrepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooptrepeat@count}%
6740 \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@toks}%
6741 \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@toks}%
6742 \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@toks}%
6743 \fi \bidilooptrepeat@zero \def\bidilooptrepeat@sign{}\def\bidilooptrepeat@comp{>}\bidilooptrepeat@tmp
6744 \edef\bidilooptrepeat@tmp
6745 {\def\bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@looprepeat}{\bidilooptrepeat@body}%
6746 \afterassignment\bidilooptrepeat@dxbody\bidilooptrepeat@csromannumeral{\bidilooptrepeat@toks}%
6747
6748 % Define and execute loop body
6749 % This is done with an \edef to construct the actual sequence
6750 \def\bidilooptrepeat@dxbody{\bidilooptrepeat@csargromannumeral\edef{\bidilooptrepeat@body}{%
6751 \bidilooptrepeat@csargromannumeral\the{\bidilooptrepeat@wtest}}%
6752 \noexpand\the{\bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@toks}}%
6753 \bidilooptrepeat@csargromannumeral\the{\bidilooptrepeat@utest}}%
6754 \global\bidilooptrepeat@csargromannumeral\advance{\bidilooptrepeat@count} by \bidilooptrepeat@tmp
6755 \noexpand\endlooprepeat
6756 \bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@looprepeat}}%
6757 \bidilooptrepeat@csromannumeral{\bidilooptrepeat@body}\ignorespaces}

```



```

6758
6759 % Stop test
6760 %% In order to stop, issue a
6761 % \breaklooprepeat which scoops up the rest of the body and exits
6762 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral{bidi@looprepeat@body}}
6763 \advance\bidi@looprepeat@depth@m@ne \bidi@looprepeat@traceexit
6764 }
6765
6766
6767 % Setup
6768 % gather bounds and termination conditions
6769 \def\bidi@looprepeat@setup#1{%
6770 \begingroup
6771 \def\forvariable##1{%
6772 \edef\bidi@looprepeat@tmp{%
6773 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{bidi@looprepeat@body}}
6774 \bidi@looprepeat@tmp}%
6775 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{bidi@looprepeat@count}##1\ignorespaces}%
6776 \def\tovalue##1{%
6777 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}\bidi@looprepeat@tmp}%
6778 {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
6779 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}\bidi@looprepeat@tmp\relax
6780 \noexpand\expandafter \noexpand\breaklooprepeat
6781 \noexpand\fi}\ignorespaces}%
6782 \bidi@looprepeat@tmp}%
6783 \def\downtovalue##1{%
6784 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
6785 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}%
6786 \bidi@looprepeat@csargromannumeral\gdef{bidi@looprepeat@inc}{-##1}\else
6787 \bidi@looprepeat@csargromannumeral\gdef{bidi@looprepeat@inc}{##1}\fi\ignorespaces}%
6788 \def\untilcondition##1{%
6789 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}\bidi@looprepeat@tmp}%
6790 {\noexpand##1\relax
6791 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6792 \bidi@looprepeat@tmp}%
6793 \def\whilecondition##1{%
6794 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}\bidi@looprepeat@tmp}%
6795 {\noexpand##1\relax \noexpand\else
6796 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6797 \bidi@looprepeat@tmp}%
6798 \fromvalue{\@ne}\bystep{\@ne}#1%
6799 \endgroup}
6800 \def\bidi@looprepeat@zero
6801 {\bidi@looprepeat@csromannumeral{bidi@looprepeat@toks}}\bidi@looprepeat@csromannumeral{bidi@looprepeat@body}}
6802 \bidi@looprepeat@csargromannumeral\def{bidi@looprepeat@body}{}}
6803
6804 %\tracingmacros2
6805 %\newcount\tmpcount % used in some examples below
6806
6807 %\looprepeat \forvariable{i}
6808 % \bystep{2}
6809 % \doloopbody {%
6810 % \ifnum i=13 \expandafter\breaklooprepeat \fi
6811 % \number i}% %

```



```

6812 %}%
6813
6814 %\looprepeat \forvariable{iii}
6815 %      \tovalue{8}
6816 %      \doloopbody {}
6817 %After loop: \number\iii%
6818
6819 %\looprepeat \forvariable{i}
6820 %      \fromvalue{10}
6821 %      \bystep{2}
6822 %      \downtovalue{0}
6823 %      \doloopbody {\number\i} }
6824
6825 %\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
6826 %      \doloopbody {\number\x} }
6827
6828 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
6829
6830 %\looprepeat \forvariable{j}
6831 %      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6832 %      \doloopbody {\number\j} }
6833
6834 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6835 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6836 % \doloopbody {(\number\i.\number\j) }
6837 % }
6838
6839 % infinite loop
6840 %\looprepeat \doloopbody {}
6841
6842 \ExplSyntaxOn
6843 \NewDocumentCommand \bidi@AfterClass { s m o +m }
6844 {
6845   \IfBooleanTF { #1 }
6846   {
6847     \@ifclassloaded{ #2 }
6848     { #4 }
6849     {
6850       \hook_gput_code:nnn
6851       { file / #2.\@clsextension / after }
6852       { #3 }
6853       { #4 }
6854     }
6855   }
6856   {
6857     \hook_gput_code:nnn { file / #2.\@clsextension / after } { #3 } { #4 }
6858   }
6859 }
6860
6861 \seq_new:N \g__biditools_input_file_seq
6862
6863 \prg_new_protected_conditional:Npnn \__bidi_if_loading:n #1 { T, F, TF }
6864 {
6865   \str_set:Nx \l_tmpa_str { #1 }

```



```

6866 \seq_if_in:NxTF \g__biditools_input_file_seq { \str_use:N \l_tmpa_str }
6867 { \prg_return_true: }
6868 { \prg_return_false: }
6869 }
6870
6871 \prg_new_protected_conditional:Npnn \bidi_if_class_loaded:n #1 { T, F, TF }
6872 {
6873   \@ifclassloaded { #1 }
6874   {
6875     \__bidi_if_loading:nTF { #1.\@clsextension }
6876     { \prg_return_false: }
6877     { \prg_return_true: }
6878   }
6879   {
6880     \prg_return_false:
6881   }
6882 }
6883
6884 \prg_new_protected_conditional:Npnn \bidi_if_package_loaded:n #1 { T, F, TF }
6885 {
6886   \@ifpackageloaded { #1 }
6887   {
6888     \__bidi_if_loading:nTF { #1.\@pkgextension }
6889     { \prg_return_false: }
6890     { \prg_return_true: }
6891   }
6892   {
6893     \prg_return_false:
6894   }
6895 }
6896
6897 \NewDocumentCommand \bidi@AfterAtEndOfClass { s m o +m }
6898 {
6899   \IfBooleanTF { #1 }
6900   {
6901     \bidi_if_class_loaded:nTF { #2 }
6902     { #4 }
6903     { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6904   }
6905   {
6906     \bidi_if_class_loaded:nF
6907     { #2 }
6908     { \hook_gput_code:nnn { class / #2 / after } { #3 } { #4 } }
6909   }
6910 }
6911
6912 \NewDocumentCommand \bidi@AfterPackage { s m o +m }
6913 {
6914   \IfBooleanTF { #1 }
6915   {
6916     \@ifpackageloaded{ #2 }
6917     { #4 }
6918     {
6919       \hook_gput_code:nnn

```




```

6920         { file / #2.\@pkgextension / after }
6921         { #3 }
6922         { #4 }
6923     }
6924 }
6925 {
6926     \hook_gput_code:nnn { file / #2.\@pkgextension / after } { #3 } { #4 }
6927 }
6928 }
6929
6930 \NewDocumentCommand \bidi@AfterAtEndOfPackage { s m o +m }
6931 {
6932     \IfBooleanTF { #1 }
6933     {
6934         \bidi_if_package_loaded:nTF { #2 }
6935         { #4 }
6936         { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6937     }
6938     {
6939         \bidi_if_package_loaded:nF
6940         { #2 }
6941         { \hook_gput_code:nnn { package / #2 / after } { #3 } { #4 } }
6942     }
6943 }
6944
6945 \clist_new:N \l__biditools_package_clist
6946 \msg_new:nnn { biditools } { cannot-prevent-for-already-loaded-package }
6947 {
6948     Can-not-prevent-package~`#1'~from-being-loaded,~
6949     since-it-has-been-loaded-already-before-line~\msg_line_number:
6950 }
6951 \clist_new:N \g__biditools_prevent_clist
6952
6953 \NewDocumentCommand \bidi@PreventPackageFromLoading { s +o m }
6954 {
6955     \clist_set:Nx \l__biditools_package_clist { #3 }
6956     \clist_map_inline:Nn \l__biditools_package_clist
6957     {
6958         \@ifpackageloaded { ##1 }
6959         {
6960             \IfBooleanTF { #1 } { \msg_info:nnn } { \msg_warning:nnn }
6961             { biditools } { cannot-prevent-for-already-loaded-package } { ##1 }
6962         }
6963         {
6964             \clist_if_in:NnF \g__biditools_prevent_clist { ##1 }
6965             { \clist_gput_right:Nn \g__biditools_prevent_clist { ##1 } }
6966             \tl_if_exist:cF { g__biditools_exclude_package_##1_tl }
6967             {
6968                 \tl_new:c { g__biditools_exclude_package_##1_tl }
6969             }
6970             \IfValueT { #2 }
6971             {
6972                 \tl_gput_right:cn { g__biditools_exclude_package_##1_tl } { #2 }
6973             }

```



```

6974         \disable@package@load { ##1 }
6975         { \tl_use:c { g__biditools_exclude_package_##1_tl } }
6976     }
6977 }
6978 \clist_clear:N \l__biditools_package_clist
6979 }
6980
6981 \NewDocumentCommand \bidi@ResetPreventPackageFromLoading {}
6982 {
6983     \clist_map_function:NN \g__biditools_prevent_clist \reenable@package@load
6984     \clist_gclear:N \g__biditools_prevent_clist
6985 }
6986
6987 \NewDocumentCommand \bidi@StorePreventPackageFromLoading { m }
6988 { \edef #1 { \clist_use:Nn \g__biditools_prevent_clist { , } } }
6989
6990 \NewDocumentCommand \bidi@UnPreventPackageFromLoading { s m }
6991 {
6992     \clist_set:Nx \l__biditools_package_clist { #2 }
6993     \clist_map_inline:Nn \l__biditools_package_clist
6994     {
6995         \clist_if_in:NnT \g__biditools_prevent_clist { ##1 }
6996         {
6997             \clist_gremove_all:Nn \g__biditools_prevent_clist { ##1 }
6998             \reenable@package@load { ##1 }
6999             \IfBooleanT { #1 }
7000             { \cs_undefine:c { g__biditools_exclude_package_##1_tl } }
7001         }
7002     }
7003 }
7004
7005 \NewDocumentCommand \bidi@BeforeClosingMainAux { o m }
7006 {
7007     \hook_gput_code:nnn { enddocument / afterlastpage } { #1 }
7008     {
7009         \debug_suspend:
7010         \RenewDocumentCommand \bidi@BeforeClosingMainAux { m } { ##1 }
7011         \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7012         \cs_set_eq:NN \protected@write \bidi@protected@immediate@write
7013         #2
7014         \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7015         \debug_resume:
7016     }
7017 }
7018
7019 \NewDocumentCommand \bidi@AfterReadingMainAux { o m }
7020 {
7021     \hook_gput_code:nnn { enddocument / afteraux } { #1 }
7022     {
7023         \debug_suspend:
7024         \RenewDocumentCommand \bidi@AfterReadingMainAux { m } { ##1 }
7025         \cs_set_eq:NN \__biditools_protected@write:Nnn \protected@write
7026         \cs_set_eq:NN \protected@write \bidi@protected@immediate@write
7027         #2

```



```

7028      \cs_set_eq:NN \protected@write \__biditools_protected@write:Nnn
7029      \debug_resume:
7030    }
7031  }
7032
7033 \clist_new:N \l__biditools_file_patch_clist
7034
7035 \NewDocumentCommand \ApplyPatchToFiles { m O{def} O{bidi} }
7036 {
7037   \clist_set:Nx \l__biditools_file_patch_clist { #1 }
7038   \clist_map_inline:Nn \l__biditools_file_patch_clist
7039   {
7040     \ApplyPatchToFile { ##1 } [ #2 ] [ #3 ]
7041   }
7042   \clist_clear:N \l__biditools_file_patch_clist
7043 }
7044
7045 \clist_new:N \l__biditools_package_patch_clist
7046
7047 \NewDocumentCommand \ApplyPatchToPackages { m O{bidi} }
7048 {
7049   \clist_set:Nx \l__biditools_package_patch_clist { #1 }
7050   \clist_map_inline:Nn \l__biditools_package_patch_clist
7051   {
7052     \ApplyPatchToPackage { ##1 } [ #2 ]
7053   }
7054   \clist_clear:N \l__biditools_package_patch_clist
7055 }
7056
7057 \clist_new:N \l__biditools_class_patch_clist
7058
7059 \NewDocumentCommand \ApplyPatchToClasses { m O{bidi} }
7060 {
7061   \clist_set:Nx \l__biditools_class_patch_clist { #1 }
7062   \clist_map_inline:Nn \l__biditools_class_patch_clist
7063   {
7064     \ApplyPatchToClass { ##1 } [ #2 ]
7065   }
7066   \clist_clear:N \l__biditools_class_patch_clist
7067 }
7068
7069 \NewDocumentCommand \ApplyPatchToClassesIfPackageLoadedF { m m O{bidi} }
7070 {
7071   \clist_set:Nx \l__biditools_class_patch_clist { #1 }
7072   \clist_map_inline:Nn \l__biditools_class_patch_clist
7073   {
7074     \ApplyPatchToClassIfPackageLoadedF { ##1 } { #2 } [ #3 ]
7075   }
7076   \clist_clear:N \l__biditools_class_patch_clist
7077 }
7078 \ExplSyntaxOff
7079
7080 \newcommand*{\bidi@ReplaceInput}{\declare@file@substitution}
7081 \newcommand*{\bidi@UnReplaceInput}

```



```

7082 {\undeclare@file@substitution}
7083 \newcommand*{\bidi@ReplacePackage}[2]{%
7084   \declare@file@substitution{#1.\@pkgextension}{#2.\@pkgextension}%
7085 }
7086 \newcommand*{\bidi@UnReplacePackage}[1]{%
7087   \undeclare@file@substitution{#1.\@pkgextension}%
7088 }
7089 \newcommand*{\bidi@ReplaceClass}[2]{%
7090   \declare@file@substitution{#1.\@clsextension}{#2.\@clsextension}%
7091 }
7092 \newcommand*{\bidi@UnReplaceClass}[1]{%
7093   \undeclare@file@substitution{#1.\@clsextension}%
7094 }
7095 \newcommand*{\bidi@BeforeFile}[1]{%
7096   \AddToHook{file/#1/before}%
7097 }
7098 \newcommand*{\bidi@AfterFile}[1]{%
7099   \AddToHook{file/#1/after}%
7100 }
7101 \newcommand*{\bidi@BeforeClass}[1]{%
7102   \bidi@BeforeFile{#1.\@clsextension}%
7103 }
7104 \newcommand*{\bidi@BeforePackage}[1]{%
7105   \bidi@BeforeFile{#1.\@pkgextension}%
7106 }
7107
7108 \long\def\bidi@protected@immediate@write#1#2#3{%
7109   \begingroup
7110     #2%
7111     \let\protect\@unexpandable@protect
7112     \edef\reserved@a{\immediate\write#1{#3}}%
7113     \reserved@a
7114   \endgroup
7115   \if@nobreak\ifvmode\nobreak\fi\fi
7116 }
7117
7118 \def\bidi@patch@AfterPackage#1{%
7119   \@ifpackageloaded{#1}{%
7120     \@firstofone
7121   }{%
7122     \AddToHook{package/#1/after}%
7123   }%
7124 }
7125
7126 \def\bidi@patch@AfterFile#1{%
7127   \IfFileLoadedTF{#1}{%
7128     \@firstofone
7129   }{%
7130     \AddToHook{file/#1/after}%
7131   }%
7132 }
7133
7134 \NewDocumentCommand \ApplyPatchToFile { m O{def} O{bidi} }
7135 {

```



```

7136 \bidi@patch@AfterFile{#1.#2}{%
7137 \ifnum\catcode`\@=11
7138 \input{#1-xetex-#3.def}%
7139 \else
7140 \bidi@storecatcode\@
7141 \makeatletter
7142 \input{#1-xetex-#3.def}%
7143 \bidi@restorecatcode\@
7144 \fi
7145 }%
7146 }
7147
7148 \NewDocumentCommand \ApplyPatchCodeToFile { m +m O{def} }
7149 {
7150 \bidi@patch@AfterFile{#1.#3}{#2}%
7151 }
7152
7153 \NewDocumentCommand \ApplyPatchToFilesIfPackageLoadedF { m m O{def} O{bidi} }
7154 {
7155 \AddToHook{begindocument/before}{%
7156 \IfPackageLoadedF{#1}{%
7157 \ApplyPatchToFiles{#2}{#3}{#4}%
7158 }%
7159 }
7160 }
7161
7162 \NewDocumentCommand \ApplyPatchToClassIfPackageLoadedF { m m O{bidi} }
7163 {
7164 \AddToHook{begindocument/before}{%
7165 \IfPackageLoadedF{#2}{%
7166 \ifnum\catcode`\@=11
7167 \@ifclassloaded{#1}{%
7168 \input{#1-xetex-#3.def}%
7169 }{}%
7170 \else
7171 \bidi@storecatcode\@
7172 \makeatletter
7173 \@ifclassloaded{#1}{%
7174 \input{#1-xetex-#3.def}%
7175 }{}%
7176 \bidi@restorecatcode\@
7177 \fi
7178 }%
7179 }
7180 }
7181
7182 \NewDocumentCommand \ApplyPatchToPackageIfPackageLoadedF { m m O{bidi} }
7183 {
7184 \AddToHook{begindocument/before}{%
7185 \IfPackageLoadedF{#2}{%
7186 \IfPackageLoadedT{#1}{%
7187 \ifnum\catcode`\@=11
7188 \input{#1-xetex-#3.def}%
7189 \else

```



```

7190         \bidi@storecatcode\@
7191         \makeatletter
7192         \input{#1-xetex-#3.def}%
7193         \bidi@restorecatcode\@
7194     \fi
7195 }%
7196 }%
7197 }
7198 }
7199
7200 \NewDocumentCommand \ApplyPatchIfPackageLoaded { m +m +m }
7201 {
7202     \AddToHook{begindocument/before}{%
7203         \ifnum\catcode`\@=11
7204             \@ifpackageloaded{#1}{#2}{#3}%
7205         \else
7206             \bidi@storecatcode\@
7207             \makeatletter
7208             \@ifpackageloaded{#1}{#2}{#3}%
7209             \bidi@restorecatcode\@
7210         \fi
7211     }
7212 }
7213
7214 \NewDocumentCommand \ApplyPatchIfPackageLoadedT { m +m }
7215 {
7216     \ApplyPatchIfPackageLoaded{#1}{#2}{}%
7217 }
7218
7219 \NewDocumentCommand \ApplyPatchIfPackageLoadedF { m +m }
7220 {
7221     \ApplyPatchIfPackageLoaded{#1}{}{#2}%
7222 }
7223
7224 \NewDocumentCommand \ApplyPatchToPackage { m O{bidi} }
7225 {
7226     \bidi@patch@AfterPackage{#1}{\input{#1-xetex-#2.def}}%
7227 }
7228
7229 \NewDocumentCommand \ApplyPatchCodeToPackage { m +m }
7230 {
7231     \bidi@patch@AfterPackage{#1}{#2}%
7232 }
7233
7234 \NewDocumentCommand \ApplyPatchToClass { m O{bidi} }
7235 {
7236     \@ifclassloaded{#1}{\input{#1-xetex-#2.def}}{}%
7237 }

```

53 File `bidituftefloat.sty`

```

7238 \NeedsTeXFormat{LaTeX2e}
7239 \ProvidesPackage{bidituftefloat}[2025/01/03 v0.3
7240 bidi implementation of tufte float]

```



```

7241 \RequirePackage{xifthen}
7242 \newcommand{\@biditytfloat@pkgname}{biditytfloat}
7243 \newcommand{\biditytfloatError}[2]{\PackageError{\@biditytfloat@pkgname}{#1}{#2}}
7244 \newcommand{\biditytfloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@biditytfloat@debug}}{\bid
7245 \newcommand{\biditytfloatInfoNL}[1]{\PackageInfo{\@biditytfloat@pkgname}{#1\@gobble}}
7246 \newboolean{\@biditytfloat@reversegeometry}
7247 \setboolean{\@biditytfloat@reversegeometry}{false}
7248 \DeclareOption{reversegeometry}{\setboolean{\@biditytfloat@reversegeometry}{true}}
7249 \newboolean{\@biditytfloat@a4paper}
7250 \DeclareOption{a4paper}{\setboolean{\@biditytfloat@a4paper}{true}}
7251 \newboolean{\@biditytfloat@b5paper}
7252 \DeclareOption{b5paper}{\setboolean{\@biditytfloat@b5paper}{true}}
7253 \newboolean{\@biditytfloat@symmetric}
7254 \newboolean{\@biditytfloat@twoside}
7255 \DeclareOption{twoside}{%
7256 \@twoside>true \mparswitchtrue%
7257 \setboolean{\@biditytfloat@twoside}{true}%
7258 \setboolean{\@biditytfloat@symmetric}{true}%
7259 }
7260 \DeclareOption{oneside}{%
7261 \@twoside>false \mparswitchfalse%
7262 \setboolean{\@biditytfloat@twoside}{false}%
7263 \setboolean{\@biditytfloat@symmetric}{false}%
7264 }
7265 \IfClassLoadedT{book}{\ExecuteOptions{twoside}}
7266 \newboolean{\@biditytfloat@debug}
7267 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodete
7268 \ProcessOptions
7269 %% Globally sets the length
7270 \newcommand*{\gsetlength}[2]{%
7271 \setlength{#1}{#2}%
7272 \global#1=#1\relax%
7273 }
7274
7275 %% Set the font sizes and baselines to match biditytfloat's books
7276 \renewcommand\normalsize{%
7277 \setfontsize\normalsize\@xpt{14}%
7278 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7279 \abovedisplayshortskip \z@ \@plus3\p@
7280 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7281 \belowdisplayskip \abovedisplayskip
7282 \let\@listi\@listI}
7283 \normalbaselineskip=14pt
7284 \normalsize
7285 \renewcommand\footnotesize{%
7286 \setfontsize\footnotesize\@viipt{10}%
7287 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7288 \abovedisplayshortskip \z@ \@plus\p@
7289 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7290 \def\@listi{\leftmargin\leftmarginI
7291 \topsep 3\p@ \@plus\p@ \@minus\p@
7292 \parsep 2\p@ \@plus\p@ \@minus\p@
7293 \itemsep \parsep}%
7294 \belowdisplayskip \abovedisplayskip

```



```

7295 }
7296 %% Paragraph indentation and separation for marginal text
7297 \newcommand{\@biditytfloat@margin@par}{%
7298   \setlength{\RaggedRightParindent}{0.5pc}%
7299   \setlength{\JustifyingParindent}{0.5pc}%
7300   \setlength{\parindent}{0.5pc}%
7301   \setlength{\parskip}{0pt}%
7302 }
7303 \RequirePackage{ragged2e}
7304 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7305 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7306 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7307   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7308   }}
7309 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7310   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7311   }}{%
7312 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
7313 \ifthenelse{\boolean{@biditytfloat@afourpaper}}
7314   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
7315   }}
7316 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7317   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
7318   }}
7319 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7320   {}
7321   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
7322 \setlength\marginparpush{10pt}
7323 %% Font for margin items
7324 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7325 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7326 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7327 \newcommand{\@biditytfloat@justification}{\justifying}%
7328 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7329 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7330 \newboolean{@biditytfloat@changepage}
7331 \IfFileExists{changepage.sty}{%
7332   \biditytfloatDebugInfoNL{Found changepage.sty}
7333   \RequirePackage[strict]{changepage}
7334   \setboolean{@biditytfloat@changepage}{true}
7335 }{%
7336   \biditytfloatDebugInfoNL{Found chngpage.sty}
7337   \RequirePackage[strict]{chngpage}
7338   \setboolean{@biditytfloat@changepage}{false}
7339 }
7340 \newboolean{@biditytfloat@odd@page}
7341 \setboolean{@biditytfloat@odd@page}{true}
7342 \newcommand*{\@biditytfloat@checkoddpage}{%
7343   \checkoddpage%
7344   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7345     \ifoddpage%
7346       \setboolean{@biditytfloat@odd@page}{true}%
7347     \else%
7348       \setboolean{@biditytfloat@odd@page}{false}%

```




```

7349 \fi%
7350 }{%
7351 \ifcoddpage%
7352 \setboolean{@biditytfloat@odd@page}{true}%
7353 \else%
7354 \setboolean{@biditytfloat@odd@page}{false}%
7355 \fi%
7356 }%
7357 }
7358 \newlength{@biditytfloat@overhang}% used by the fullwidth environment and the running head
7359 \newlength{@biditytfloat@fullwidth}
7360 \newlength{@biditytfloat@caption@fill}
7361 \newcommand{@biditytfloatRecalculate}{%
7362 \setlength{@biditytfloat@overhang}{\marginparwidth}
7363 \addtolength{@biditytfloat@overhang}{\marginparsep}
7364
7365 \setlength{@biditytfloat@fullwidth}{\textwidth}
7366 \addtolength{@biditytfloat@fullwidth}{\marginparsep}
7367 \addtolength{@biditytfloat@fullwidth}{\marginparwidth}
7368
7369 \setlength{@biditytfloat@caption@fill}{\textwidth}
7370 \addtolength{@biditytfloat@caption@fill}{\marginparsep}
7371 }
7372 \AtBeginDocument{@biditytfloatRecalculate}
7373 \RequirePackage{optparams}% provides multiple optional arguments for commands
7374 \RequirePackage{placeins}
7375 \newsavebox{@biditytfloat@margin@floatbox}
7376 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
7377 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
7378 \begin{lrbox}{@biditytfloat@margin@floatbox}%
7379 \begin{minipage}{\marginparwidth}%
7380 \setlength{@biditytfloat@caption@font}{\marginparsep}
7381 \def\capttype{#2}%
7382 \hbox{\vspace*{#1}%
7383 \setlength{@biditytfloat@caption@justification}{\marginparwidth}
7384 \setlength{@biditytfloat@margin@par}{\marginparsep}
7385 \noindent%
7386 }
7387 {\end{minipage}%
7388 \end{lrbox}%
7389 \marginpar{\usebox{@biditytfloat@margin@floatbox}}%
7390 }
7391 \newenvironment{marginfigure}[1][-1.2ex]%
7392 {\begin{@biditytfloat@margin@float}[#1]{figure}}
7393 {\end{@biditytfloat@margin@float}}
7394 \newenvironment{margintable}[1][-1.2ex]%
7395 {\begin{@biditytfloat@margin@float}[#1]{table}}
7396 {\end{@biditytfloat@margin@float}}
7397 \newcommand*{@biditytfloat@justification@autodetect}{\justifying}%
7398
7399 \newcommand{@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
7400 \newcommand{@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
7401 \ifthenelse{equal{@biditytfloat@float@debug@info}{}}{
7402 {\def{@biditytfloat@float@debug@info}{#1}}%

```



```

7403     {\g@addto@macro\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
7404 }
7405 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7406 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
7407 \newboolean{\@bidiutefloat@float@recto}
7408 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@bidiutefloat@float@recto}{true}\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
7409 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@bidiutefloat@float@recto}{false}\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
7410 \newsavebox{\@bidiutefloat@figure@box}
7411 \newsavebox{\@bidiutefloat@caption@box}
7412 \let\@bidiutefloat@orig@float\@float
7413 \let\@bidiutefloat@orig@endfloat\endfloat
7414 \newlength{\@bidiutefloat@caption@vertical@offset}
7415 \setlength{\@bidiutefloat@caption@vertical@offset}{0pt}
7416 \newcommand{\@bidiutefloat@stored@shortcaption}{%
7417 \newcommand{\@bidiutefloat@stored@caption}{%
7418 \newcommand{\@bidiutefloat@stored@label}{%
7419 \long\def\@bidiutefloat@caption[#1][#2]#3{%
7420 \ifthenelse{\isempty{#1}}{%
7421     {\gdef\@bidiutefloat@stored@shortcaption{#3}}%
7422     {\gdef\@bidiutefloat@stored@caption{#1}}%
7423 \gsetlength{\@bidiutefloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
7424 \gdef\@bidiutefloat@stored@caption{#3}%
7425 }
7426 \newcommand{\@bidiutefloat@label}[1]{%
7427 \gdef\@bidiutefloat@stored@label{#1}%
7428 }
7429 \newcommand{\@bidiutefloat@fps}{%
7430 \newboolean{\@bidiutefloat@float@star}
7431 \newlength{\@bidiutefloat@float@contents@width}
7432 \newenvironment{\@bidiutefloat@float}[3][htbp]%
7433 {% begin \@bidiutefloat@float
7434 % Should this float be full-width or just text-width?
7435 \ifthenelse{\equal{#3}{star}}{%
7436     {\GlobalSetBoolean{\@bidiutefloat@float@star}{true}}%
7437     {\GlobalSetBoolean{\@bidiutefloat@float@star}{false}}%
7438 % Check page side (recto/verso) and store detected value -- can be overridden in environment
7439 \@bidiutefloat@checkoddpages%
7440 \ifthenelse{\boolean{\@bidiutefloat@odd@page}}{%
7441     {\GlobalSetBoolean{\@bidiutefloat@float@recto}{true}\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
7442     {\GlobalSetBoolean{\@bidiutefloat@float@recto}{false}\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
7443 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7444 \renewcommand{\@bidiutefloat@fps}{#1}%
7445 \@bidiutefloat@float@debug@info{\MessageBreak#1} Allowed positions: [1]}%
7446 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
7447     {\renewcommand{\floatalignment}{b}\@bidiutefloat@float@debug@info{\MessageBreak#1} Presumed position: [bottom]}%
7448     {\renewcommand{\floatalignment}{t}\@bidiutefloat@float@debug@info{\MessageBreak#1} Presumed position: [top]}%
7449 % Capture the contents of the \caption and \label commands to use later
7450 \global\let\@bidiutefloat@orig@caption\caption%
7451 \global\let\@bidiutefloat@orig@label\label%
7452 \renewcommand{\caption}{\optparams{\@bidiutefloat@caption}{[1][Opt]}}%
7453 \renewcommand{\label}[1]{\@bidiutefloat@label{##1}}%
7454 % Handle subfigure package compatibility
7455 \ifthenelse{\boolean{\@bidiutefloat@packages@subfigure}}{%
7456     \bidi@patchcmd{\subfigure}{%

```



```

7457 \let\subfig@oldlabel=\label
7458 }{%
7459 \let\subfig@oldlabel=\@biditytfloat@orig@label
7460 }
7461 {}
7462 {}
7463 \let\subtable=\subfigure
7464 }{}% subfigure package is not loaded
7465 \@biditytfloat@orig@float{#2}[#1]%
7466 \ifthenelse{\boolean{@biditytfloat@float@star}}{%
7467   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
7468   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
7469 \begin{lrbox}{\@biditytfloat@figure@box}%
7470 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
7471 }{% end @biditytfloat@float
7472   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
7473   \end{minipage}%
7474 \end{lrbox}%
7475 % build the caption box
7476 \begin{lrbox}{\@biditytfloat@caption@box}%
7477 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7478   \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@cap
7479   \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label
7480   \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7481   \end{minipage}%
7482 \end{lrbox}%
7483 % now typeset the stored boxes
7484 \begin{fullwidth}%
7485   \begin{minipage}[\floatalignment]{\linewidth}%
7486     \ifthenelse{\boolean{@biditytfloat@float@star}}%
7487       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
7488       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
7489     \end{minipage}%
7490 \end{fullwidth}%
7491 \@biditytfloat@orig@endfloat% end original LaTeX float environment
7492 % output debug info
7493 \ifthenelse{\boolean{@biditytfloat@debug}}{%
7494   \typeout{^^J^^J----- biditytfloat package float information -----}%
7495   \ifthenelse{\equal{\@biditytfloat@stored@label}}{}%
7496     {\typeout{Warning: Float unlabeled!}}%
7497     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
7498   \typeout{Page number: [\thepage]}%
7499   \def\MessageBreak{^^J}%
7500   \typeout{\@biditytfloat@float@debug@info}%
7501   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
7502     {\typeout{Symmetric: [true]}}%
7503     {\typeout{Symmetric: [false]}}%
7504   \typeout{-----^^J^^J}%
7505 }{}%
7506 % reset commands and temp boxes and captions
7507 \gdef\@biditytfloat@float@debug@info{}%
7508 \let\caption\@biditytfloat@orig@caption%
7509 \let\label\@biditytfloat@orig@label%
7510 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%

```



```

7511 \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
7512 \gdef\@bittuftefloat@stored@shortcaption{}%
7513 \gdef\@bittuftefloat@stored@caption{}%
7514 \gdef\@bittuftefloat@stored@label{}%
7515 \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
7516 }
7517 \newcommand{\@bittuftefloat@float@textwidth}[3][Opt]{%
7518 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}\OR\boolean{@bittuftefloat@float@recto}}
7519 % asymmetric or page is odd, so caption is on the right
7520 \hbox{%
7521 \usebox{#2}%
7522 \hspace{\marginparsep}%
7523 \smash{\raisebox{#1}{\usebox{#3}}}%
7524 }
7525 \@bittuftefloat@float@debug{Caption position: [right]}%
7526 }{% symmetric pages and page is even, so caption is on the left
7527 \hbox{%
7528 \smash{\raisebox{#1}{\usebox{#3}}}%
7529 \hspace{\marginparsep}%
7530 \usebox{#2}%
7531 }
7532 \@bittuftefloat@float@debug{Caption position: [left]}%
7533 }%
7534 }
7535 \newcommand{\@bittuftefloat@float@fullwidth}[3][Opt]{%
7536 \ifthenelse{\equal{\floatalignment}{b}}%
7537 {% place caption above figure
7538 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}\OR\boolean{@bittuftefloat@float@recto}}
7539 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bittuftefloat@float@debug}
7540 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bittuftefloat@float@debug}
7541 }{% place caption below figure
7542 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}\OR\boolean{@bittuftefloat@float@recto}}
7543 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bittuftefloat@float@debug}
7544 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bittuftefloat@float@debug}
7545 }%
7546 }
7547 \renewenvironment{figure}[1][htbp]%
7548 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{figure}{}}
7549 {\end{@bittuftefloat@float}}
7550 \renewenvironment{table}[1][htbp]
7551 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{table}{}}
7552 {\end{@bittuftefloat@float}}
7553 \renewenvironment{figure*}[1][htbp]%
7554 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{figure}{star}}
7555 {\end{@bittuftefloat@float}}
7556 \renewenvironment{table*}[1][htbp]%
7557 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{table}{star}}
7558 {\end{@bittuftefloat@float}}
7559 \newenvironment{fullwidth}
7560 {\ifthenelse{\boolean{@bittuftefloat@symmetric}}%
7561 {\ifthenelse{\boolean{@bittuftefloat@changepage}}{\begin{adjustwidth*}{- \@bittuftefloat@overhang}}%
7562 {\begin{adjustwidth}{- \@bittuftefloat@overhang}}}%
7563 }%
7564 {\ifthenelse{\boolean{@bittuftefloat@symmetric}}%

```



```

7565     {\ifthenelse{\boolean{@bidituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}
7566     {\end{adjustwidth}}}%
7567 }
7568 \long\def\@caption#1[#2]#3{%
7569   \par%
7570   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7571     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7572   \begingroup%
7573     \@parboxrestore%
7574     \if@minipage%
7575       \@setminipage%
7576     \fi%
7577     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
7578     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7579     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7580   \endgroup}
7581 %%
7582 % Turns newlines into spaces. Based on code from the 'titlesec' package.
7583 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
7584   \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
7585 }
7586 \def\@biditufteheading@newlinetospace@i{%
7587   \ifdim\lastskip>z@\else\space\fi
7588   \ignorespaces%
7589 }
7590 \DeclareRobustCommand{\newlinetospace}[1]{%
7591   \let\@biditufteheading@orig@cr\\% save the original meaning of \\
7592   \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
7593   \let\newline\\% turn \newline into \space
7594   #1%
7595   \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
7596 }
7597 \RequirePackage{fancyhdr}
7598 \pagestyle{fancy}
7599 \AtBeginDocument{%
7600   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7601     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
7602     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
7603 }
7604 % The running heads/feet don't have rules
7605 \renewcommand{\headrulewidth}{0pt}
7606 \renewcommand{\footrulewidth}{0pt}
7607 % The 'fancy' page style is the default style for all pages.
7608 \fancyhf{} % clear header and footer fields
7609   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7610     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7611     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7612     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7613 % The 'plain' page style is used on chapter opening pages.
7614 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7615 % bottom of pages -- the folios are unexpressed.
7616 \fancypagestyle{plain}{
7617   \fancyhf{} % clear header and footer fields
7618   % Uncomment the following five lines of code if you want the opening page

```



```

7619 % of the chapter to express the folio in the lower outside corner.
7620 % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
7621 % {\fancyfoot[LE,RO]{\thepage}}
7622 % {\fancyfoot[RE,RO]{\thepage}}
7623 }
7624 % The 'empty' page style suppresses all headers and footers.
7625 % It's used on title pages and 'intentionally blank' pages.
7626 \fancypagestyle{empty}{
7627 \fancyhf{} % clear header and footer fields
7628 }
7629 \def\morefloats{% provides a total of 52 floats
7630 \ifthenelse{\isundefined{\bx@S}}{%
7631 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
7632 \newinsert\bx@S
7633 \newinsert\bx@T
7634 \newinsert\bx@U
7635 \newinsert\bx@V
7636 \newinsert\bx@W
7637 \newinsert\bx@X
7638 \newinsert\bx@Y
7639 \newinsert\bx@Z
7640 \newinsert\bx@a
7641 \newinsert\bx@b
7642 \newinsert\bx@c
7643 \newinsert\bx@d
7644 \newinsert\bx@e
7645 \newinsert\bx@f
7646 \newinsert\bx@g
7647 \newinsert\bx@h
7648 \newinsert\bx@i
7649 \newinsert\bx@j
7650 \newinsert\bx@k
7651 \newinsert\bx@l
7652 \newinsert\bx@m
7653 \newinsert\bx@n
7654 \newinsert\bx@o
7655 \newinsert\bx@p
7656 \newinsert\bx@q
7657 \newinsert\bx@r
7658 \newinsert\bx@s
7659 \newinsert\bx@t
7660 \newinsert\bx@u
7661 \newinsert\bx@v
7662 \newinsert\bx@w
7663 \newinsert\bx@x
7664 \newinsert\bx@y
7665 \newinsert\bx@z
7666 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7667 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7668 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7669 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7670 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7671 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7672 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e

```



```

7673         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7674         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7675         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7676         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7677         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
7678 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7679 \ifthenelse{\isundefined{\bx@AA}}{%
7680 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7681 \newinsert\bx@AA
7682 \newinsert\bx@BB
7683 \newinsert\bx@CC
7684 \newinsert\bx@DD
7685 \newinsert\bx@EE
7686 \newinsert\bx@FF
7687 \newinsert\bx@GG
7688 \newinsert\bx@HH
7689 \newinsert\bx@II
7690 \newinsert\bx@JJ
7691 \newinsert\bx@KK
7692 \newinsert\bx@LL
7693 \newinsert\bx@MM
7694 \newinsert\bx@NN
7695 \newinsert\bx@OO
7696 \newinsert\bx@PP
7697 \newinsert\bx@QQ
7698 \newinsert\bx@RR
7699 \newinsert\bx@SS
7700 \newinsert\bx@TT
7701 \newinsert\bx@UU
7702 \newinsert\bx@VV
7703 \newinsert\bx@WW
7704 \newinsert\bx@XX
7705 \newinsert\bx@YY
7706 \newinsert\bx@ZZ
7707 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7708 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7709 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7710 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7711 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7712 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7713 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7714 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7715 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7716 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7717 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7718 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7719 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7720 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7721 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7722 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7723 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7724 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7725 }{%
7726 \bidituftefloatError{You may only call \string\morefloats\space twice. See the\Message

```



```

7727         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
7728     }%
7729 }%
7730 }
7731 \newboolean{@biditytfloat@packages@subfigure}
7732 \setboolean{@biditytfloat@packages@subfigure}{false}
7733 \AtBeginDocument{%
7734     \ifpackageloaded{subfigure}
7735     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7736     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
7737 }
7738 \AtBeginDocument{%
7739     \ifpackageloaded{float}{%
7740         % Save the redefined float environment (instead of the LaTeX float environment)
7741         \let\@biditytfloat@orig@float\@float
7742         \let\@biditytfloat@orig@endfloat\endfloat
7743
7744         % Define Tuftian float styles (with the caption in the margin)
7745         \newcommand{\floatc@biditytfloatplain}[2]{%
7746             \begin{lrbox}{\@biditytfloat@caption@box}%
7747                 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
7748                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7749                 \end{minipage}%
7750             \end{lrbox}%
7751             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7752     }
7753     \newcommand{\fs@biditytfloatplain}{%
7754         \def\@fs@cfont{\@biditytfloat@caption@font}%
7755         \let\@fs@capt\floatc@biditytfloatplain%
7756         \def\@fs@pre{}%
7757         \def\@fs@post{}%
7758         \def\@fs@mid{}%
7759         \let\@fs@iftopcapt\iftrue%
7760     }
7761     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7762     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7763     \newcommand\floatc@biditytfloatruled[2]{%
7764         {\@fs@cfont #1} #2\par%
7765     }
7766     \newcommand\fs@biditytfloatruled{%
7767         \def\@fs@cfont{\@biditytfloat@caption@font}%
7768         \let\@fs@capt\floatc@biditytfloatplain%
7769         \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
7770         \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7771         \def\@fs@mid{}%
7772         \let\@fs@iftopcapt\iftrue%
7773     }
7774     \newcommand\fs@biditytfloatboxed{%
7775         \def\@fs@cfont{}%
7776         \let\@fs@capt\floatc@biditytfloatplain%
7777         \def\@fs@pre{%
7778             \setbox\@currbox\vbox{\hbadness10000
7779             \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7780             \hrule \hbox to\hsize{\vrule\kern3pt

```




```

7781         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7782     }%
7783     \def\@fs@mid{\kern2pt}%
7784     \def\@fs@post{}%
7785     \let\@fs@iftopcapt\iftrue%
7786 }
7787 }{%
7788 % Nothing to do
7789 }
7790 }
7791 \AtBeginDocument{%
7792 \ifpackageloaded{algorithm}{%
7793 % Set the float style to the Tufte version
7794 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{\@fs@mid}{\@fs@post}%
7795 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to \ALG@floatstyle}%
7796 \floatstyle{bidituftefloat\ALG@floatstyle}%
7797 \restylefloat{algorithm}%
7798 }{%
7799 }{%
7800 % Nothing to do
7801 }
7802 }
7803 \PassOptionsToPackage{caption=false}{subfig}

```

54 File `bidituftesidenote.sty`

```

7804 \NeedsTeXFormat{LaTeX2e}
7805 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7806 bidi implementation of tufte sidenote]
7807 \RequirePackage{xifthen}
7808 \RequirePackage{ragged2e}
7809 \RequirePackage{setspace}
7810 \RequirePackage{biditools}
7811 \def\bidituftesidenotemarginpar{%
7812 \ifhmode
7813 \@bsphack
7814 \@floatpenalty -\@Mii
7815 \else
7816 \@floatpenalty -\@Miii
7817 \fi
7818 \ifinner
7819 \@parmoderr
7820 \@floatpenalty\z@
7821 \else
7822 \@next\@currbox\@freelist{}{}%
7823 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7824 {\@floatpenalty\z@
7825 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7826 \fi
7827 \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
7828 \long\def\@bidituftesidenotexmpar[#1]#2{%
7829 \@bidituftesidenotesavemarbox\@marbox{#1}%
7830 \@bidituftesidenotesavemarbox\@currbox{#2}%
7831 \@xympar}

```



```

7832 \long\def \@bidityftesidenoteympar#1{%
7833   \@bidityftesidenotesavemarbox \@marbox{#1}%
7834   \global\setbox \@currbox\copy \@marbox
7835   \@xympar}
7836 \long\def \@bidityftesidenotesavemarbox #1#2{%
7837   \global\setbox #1%
7838     \color@vbox
7839     \vtop{%
7840       \hsize\marginparwidth
7841       \@parboxrestore
7842       \@bidityftesidenotemarginparreset
7843       #2%
7844       \@minipagefalse
7845       \outer@nobreak
7846     }%
7847   \color@endbox
7848 }
7849 \def \@bidityftesidenotemarginparreset {%
7850   \reset@font
7851   \normalsize
7852   \@minipagetrue
7853   \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7854 }
7855 \def \LTRbidityftesidenotemarginpar{%
7856   \ifhmode
7857     \@bsphack
7858     \@floatpenalty -\@Mii
7859   \else
7860     \@floatpenalty -\@Miii
7861   \fi
7862   \ifinner
7863     \@parmoderr
7864     \@floatpenalty\z@
7865   \else
7866     \@next \@currbox \@freelist{}{}%
7867     \@next \@marbox \@freelist{\global\count \@marbox\m@ne}%
7868     {\@floatpenalty\z@
7869       \@fltovf\def \@currbox{\@tempboxa}\def \@marbox{\@tempboxa}}%
7870   \fi
7871   \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7872 \long\def \@LTRbidityftesidenotexmpar[#1]#2{%
7873   \@LTRbidityftesidenotesavemarbox \@marbox{#1}%
7874   \@LTRbidityftesidenotesavemarbox \@currbox{#2}%
7875   \@xympar}
7876 \long\def \@LTRbidityftesidenoteympar#1{%
7877   \@LTRbidityftesidenotesavemarbox \@marbox{#1}%
7878   \global\setbox \@currbox\copy \@marbox
7879   \@xympar}
7880 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7881   \global\setbox #1%
7882     \color@vbox
7883     \vtop{%
7884       \hsize\marginparwidth
7885       \@parboxrestore

```



```

7886      \LTRbidituftesidenotemarginparreset
7887      #2%
7888      \@minipagefalse
7889      \outer@nobreak
7890      }%
7891      \color@endbox
7892 }
7893 \def \LTRbidituftesidenotemarginparreset {%
7894      \reset@font
7895      \normalsize
7896      \@minipagetrue
7897      \everypar{\@minipagefalse\everypar{}\beginL}%
7898 }
7899 \def \RTLbidituftesidenotemarginpar{%
7900      \ifhmode
7901          \@bsphack
7902          \floatpenalty -\@Mii
7903      \else
7904          \floatpenalty-\@Miii
7905      \fi
7906      \ifinner
7907          \@parmoderr
7908          \floatpenalty\z@
7909      \else
7910          \@next\@currbox\@freelist{}\{}%
7911          \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7912          {\floatpenalty\z@
7913           \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
7914      \fi
7915      \ifnextchar [\@RTLbidituftesidenotexmpar\@RTLbidituftesidenoteympar}
7916 \long\def \@RTLbidituftesidenotexmpar[#1]#2{%
7917      \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7918      \@RTLbidituftesidenotesavemarbox\@currbox{#2}%
7919      \@xympar}
7920 \long\def \@RTLbidituftesidenoteympar#1{%
7921      \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
7922      \global\setbox\@currbox\copy\@marbox
7923      \@xympar}
7924 \long\def \@RTLbidituftesidenotesavemarbox #1#2{%
7925      \global\setbox #1%
7926          \color@vbox
7927          \vtop{%
7928              \hsize\marginparwidth
7929              \@parboxrestore
7930              \@RTLbidituftesidenotemarginparreset
7931              #2%
7932              \@minipagefalse
7933              \outer@nobreak
7934              }%
7935          \color@endbox
7936 }
7937 \def \RTLbidituftesidenotemarginparreset {%
7938      \reset@font
7939      \normalsize

```



```

7940 \minipagetrue
7941 \everypar{\minipagefalse\everypar{}\beginR}%
7942 }
7943 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
7944 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7945 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7946 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
7947 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
7948 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
7949 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
7950 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
7951 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
7952 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
7953 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7954 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
7955 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
7956 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
7957 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
7958 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
7959 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
7960 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
7961 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
7962 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
7963 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
7964 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@auto}
7965 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@auto}
7966 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@auto}
7967 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
7968 \newcommand{\@bidityftesidenote@margin@par}{%
7969 \setlength{\RaggedRightParindent}{0.5pc}%
7970 \setlength{\JustifyingParindent}{0.5pc}%
7971 \setlength{\parindent}{0.5pc}%
7972 \setlength{\parskip}{0pt}%
7973 }
7974 %%
7975 % Globally sets the length
7976 \@ifundefined{gsetlength}{%
7977 \newcommand*{gsetlength}[2]{%
7978 \setlength{#1}{#2}%
7979 \global#1=#1\relax%
7980 }%
7981 }{}
7982
7983 %%
7984 % A function that removes leading and trailing spaces from the supplied macro.
7985 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7986 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
7987 % being trimmed of leading and trailing white space.
7988 \catcode`\Q=3
7989 \def\@bidityftesidenote@trim@spaces#1{%
7990 % Use grouping to emulate a multi-token afterassignment queue
7991 \begingroup%
7992 % Put \toks 0 {' into the afterassignment queue
7993 \aftergroup\toks\aftergroup0\aftergroup{%

```



```

7994 % Apply \trimb to the replacement text of #1, adding a leading
7995 % \noexpand to prevent brace stripping and to serve another purpose
7996 % later.
7997 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
7998 % Transfer the trimmed text back into #1.
7999 \edef#1{\the\toks0}%
8000 }
8001 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
8002 % clean up any leftover bizarre Qs, and trim a leading space. In
8003 % order for \trimc to work properly we need to put back a Q first.
8004 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
8005 % Execute \vfuzz assignment to remove leading space; the \noexpand
8006 % will now prevent unwanted expansion of a macro or other expandable
8007 % token at the beginning of the trimmed text. The \endgroup will feed
8008 % in the \aftergroup tokens after the \vfuzz assignment is completed.
8009 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
8010 \catcode\Q=11
8011 %%
8012 % Citations should go in the margin as sidenotes
8013
8014 \RequirePackage{natbib}
8015 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
8016 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8017 \renewcommand\BR@b@bibitem[2][{}]{%
8018   \ifthenelse{\isempty{#1}}{%
8019     {\BR@bibitem{#2}}%
8020     {\BR@bibitem{#1}{#2}}%
8021   \BR@c@bibitem{#2}%
8022 }
8023 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8024 %%
8025 % Normal \cite behavior
8026 \newcounter{@bidityftesidenote@num@bibkeys}%
8027 \newcommand{\@bidityftesidenote@normal@cite}[2][0pt]{%
8028   % Snag the last bibentry in the list for later comparison
8029   \let\@temp@last@bibkey\@empty%
8030   \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8031   \sidenote[] [1]{%
8032     % Loop through all the bibentries, separating them with semicolons and spaces
8033     \normalsize\normalfont\@bidityftesidenote@citation@font%
8034     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8035     \for\@temp@bibkeyx:=#2\do{%
8036       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8037         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
8038         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8039         \bibentry{\@temp@bibkeyx}}%
8040       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8041         \bibentry{\@temp@bibkeyx};\ }%
8042       \stepcounter{@bidityftesidenote@num@bibkeys}%
8043     }%
8044   }%
8045 }
8046 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][0pt]{%
8047   % Snag the last bibentry in the list for later comparison

```



```

8048 \let\@temp@last@bibkey\@empty%
8049 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8050 \LTRsidenote[] [#1]{%
8051   % Loop through all the bibentries, separating them with semicolons and spaces
8052   \normalsize\normalfont\@bituftesidenote@LTRcitation@font%
8053   \setcounter{\@bituftesidenote@num@bibkeys}{0}%
8054   \@for\@temp@bibkeyx:=#2\do{%
8055     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8056       {\ifthenelse{\equal{\value{\@bituftesidenote@num@bibkeys}}{0}}{\{}{\and\ }}%
8057       \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8058       \bibentry{\@temp@bibkeyx}}%
8059       {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8060       \bibentry{\@temp@bibkeyx};\ }%
8061       \stepcounter{\@bituftesidenote@num@bibkeys}%
8062     }%
8063   }%
8064 }
8065 \newcommand{\@bituftesRTLsidenote@normal@cite}[2][Opt]{%
8066   % Snag the last bibentry in the list for later comparison
8067   \let\@temp@last@bibkey\@empty%
8068   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8069   \RTLSidenote[] [#1]{%
8070     % Loop through all the bibentries, separating them with semicolons and spaces
8071     \normalsize\normalfont\@bituftesidenote@citation@font%
8072     \setcounter{\@bituftesidenote@num@bibkeys}{0}%
8073     \@for\@temp@bibkeyx:=#2\do{%
8074       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8075         {\ifthenelse{\equal{\value{\@bituftesidenote@num@bibkeys}}{0}}{\{}{\and\ }}%
8076         \@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8077         \bibentry{\@temp@bibkeyx}}%
8078         {\@bituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8079         \bibentry{\@temp@bibkeyx};\ }%
8080         \stepcounter{\@bituftesidenote@num@bibkeys}%
8081       }%
8082     }%
8083   }
8084 %%
8085 % Macros for holding the list of cite keys until after the \sidenote
8086 \gdef\@bituftesidenote@citations{}% list of cite keys
8087 \newcommand\@bituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
8088   \ifx\@bituftesidenote@citations\@empty\else
8089     \g@addto@macro\@bituftesidenote@citations{,}% separate by commas
8090   \fi
8091   \g@addto@macro\@bituftesidenote@citations{#1}
8092 }
8093 \newcommand{\@bituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
8094   % Snag the last bibentry in the list for later comparison
8095   \let\@temp@last@bibkey\@empty%
8096   \@for\@temp@bibkey:=\@bituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
8097   \marginpar{%
8098     \hbox{}\vspace*{#1}%
8099     \@bituftesidenote@citation@font%
8100     \@bituftesidenote@citation@justification%
8101     \@bituftesidenote@margin@par% use parindent and parskip settings for marginal text

```



```

8102 \vspace*{-1\baselineskip}%
8103 % Loop through all the bibentries, separating them with semicolons and spaces
8104 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8105 \for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8106 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
8107 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
8108 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8109 \bibentry{\@temp@bibkeyx}}%
8110 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8111 \bibentry{\@temp@bibkeyx};\ }%
8112 \stepcounter{@bidityftesidenote@num@bibkeys}%
8113 }%
8114 }%
8115 }
8116 %%
8117 % \cite behavior when executed within a sidenote
8118 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
8119 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8120 \@bidityftesidenote@add@citation{#1}
8121 }
8122 %%
8123 % Set the default \cite style. This is set and reset by the \sidenote command.
8124 \let\cite\@bidityftesidenote@normal@cite
8125 \let\LTRcite\@bidityftesidenote@normal@cite
8126 \let\RTLcite\@bidityftesidenote@normal@cite
8127 %%
8128 % Transform existing \footnotes into \sidenotes
8129 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8130 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
8131 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8132 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8133 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8134 % sidenote's text block.
8135 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote
8136 % Set the in-text footnote mark in the same typeface as the body text itself.
8137 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
8138 \providecommand*\@multiplefootnotemark}{3sp}
8139 \providecommand*\@multifootsep}{,}
8140 \bidi@patch@AfterPackage{bidi}{%
8141 \renewcommand{\@footnotemark}{%
8142 \leavevmode%
8143 \ifhmode%
8144 \edef\@x@sf{\the\spacefactor}%
8145 \@bidityftesidenote@check@multiple@sidenotes%
8146 \nobreak%
8147 \fi%
8148 \@makefnmark%
8149 \ifhmode\spacefactor\@x@sf\fi%
8150 \relax%
8151 }%
8152 }
8153 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
8154 \ifdim\lastkern=\@multiplefootnotemark\relax%
8155 \edef\@x@sf{\the\spacefactor}%

```



```

8156 \unkern%
8157 \textsuperscript{\multifootsep}%
8158 \spacefactor\@x@sf\relax%
8159 \fi
8160 }
8161 \bidi@patch@AfterPackage{bidi}{%
8162 \renewcommand\@footnotetext[2][0pt]{%
8163 \bidityftesidenotemarginpar{%
8164 \hbox{}\vspace*{#1}%
8165 \def\baselinestretch {\set@space@singlespace}%
8166 \reset@font%
8167 \bidi@footnotetext@font% \reset@font\footnotesize%
8168 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8169 \vspace*{-1\baselineskip}\noindent%
8170 \protected@edef\@currentlabel{%
8171 \csname p@footnote\endcsname\@thefnmark%
8172 }%
8173 \color@begingroup%
8174 \@makefntext{%
8175 \ignorespaces#2%
8176 }%
8177 \color@endgroup%
8178 }%
8179 }%
8180 \renewcommand\@LTRfootnotetext[2][0pt]{%
8181 \LTRbidityftesidenotemarginpar{%
8182 \hbox{}\vspace*{#1}%
8183 \def\baselinestretch {\set@space@singlespace}%
8184 \reset@font%
8185 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
8186 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8187 \vspace*{-1\baselineskip}\noindent%
8188 \protected@edef\@currentlabel{%
8189 \csname p@footnote\endcsname\@thefnmark%
8190 }%
8191 \color@begingroup%
8192 \@makefntext{%
8193 \ignorespaces#2%
8194 }%
8195 \color@endgroup%
8196 }%
8197 }%
8198 \renewcommand\@RTLfootnotetext[2][0pt]{%
8199 \RTLbidityftesidenotemarginpar{%
8200 \hbox{}\vspace*{#1}%
8201 \def\baselinestretch {\set@space@singlespace}%
8202 \reset@font%
8203 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8204 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8205 \vspace*{-1\baselineskip}\noindent%
8206 \protected@edef\@currentlabel{%
8207 \csname p@footnote\endcsname\@thefnmark%
8208 }%
8209 \color@begingroup%

```




```

8210      \@makefnintext{%
8211          \ignorespaces#2%
8212      }%
8213      \color@endgroup%
8214  }%
8215 }%
8216 }
8217 %
8218 % Define \sidenote command. Can handle \cite.
8219 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
8220 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
8221 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8222 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
8223     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
8224     \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8225     \ifthenelse{\NOT\isempty{#2}}{%
8226         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8227     }{%
8228         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8229     }%
8230     \ifthenelse{\isempty{#1}}{%
8231         % no specific footnote number provided
8232         \stepcounter\@mpfn%
8233         \protected@xdef\@thefnmark{\thempfn}%
8234         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8235     }{%
8236         % specific footnote number provided
8237         \begingroup%
8238             \csname c@\@mpfn\endcsname #1\relax%
8239             \unrestored@protected@xdef\@thefnmark{\thempfn}%
8240         \endgroup%
8241         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8242     }%
8243     \@bidityftesidenote@print@citations%             print any citations
8244     \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite comm
8245     \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTR
8246     \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTL
8247     \unskip\ignorespaces%                            remove extra white space
8248     \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
8249     \kern\multiplefootnotemarker\relax%              add new \kern here to replace the one we yanked
8250 }
8251 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
8252     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
8253     \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8254     \ifthenelse{\NOT\isempty{#2}}{%
8255         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8256     }{%
8257         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8258     }%
8259     \ifthenelse{\isempty{#1}}{%
8260         % no specific footnote number provided
8261         \stepcounter\@mpfn%
8262         \protected@xdef\@thefnmark{\thempfn}%
8263         \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%

```



```

8264 }{%
8265   % specific footnote number provided
8266   \begingroup%
8267     \csname c@\@mpfn\endcsname #1\relax%
8268     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8269   \endgroup%
8270   \@footnotemark\@LTRfootnotetext [\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8271 }%
8272 \@bidituftesidenote@print@citations%          print any citations
8273 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comm
8274 \let\LTRcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \LTR
8275 \let\RTLcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \RTL
8276 \unskip\ignorespaces%                          remove extra white space
8277 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
8278 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
8279 }
8280 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
8281   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8282   \gdef\@bidituftesidenote@citations{}%        clear out any old citations
8283   \ifthenelse{\NOT\isempty{#2}}{%
8284     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8285   }{%
8286     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8287   }%
8288   \ifthenelse{\isempty{#1}}{%
8289     % no specific footnote number provided
8290     \stepcounter\@mpfn%
8291     \protected@xdef\@thefnmark{\thempfn}%
8292     \@footnotemark\@RTLfootnotetext [\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8293   }{%
8294     % specific footnote number provided
8295     \begingroup%
8296       \csname c@\@mpfn\endcsname #1\relax%
8297       \unrestored@protected@xdef\@thefnmark{\thempfn}%
8298     \endgroup%
8299     \@footnotemark\@RTLfootnotetext [\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8300   }%
8301   \@bidituftesidenote@print@citations%          print any citations
8302   \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comm
8303   \let\LTRcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \LTR
8304   \let\RTLcite\@bidituftesidenote@normal@cite%   go back to using normal in-text \RTL
8305   \unskip\ignorespaces%                          remove extra white space
8306   \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
8307   \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
8308 }
8309 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [0pt]}}
8310 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [0pt]}}
8311 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [0pt]}}
8312 \bidi@patch@AfterPackage{bidi}{%
8313   \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [0pt]}}%
8314   \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [0pt]}}%
8315   \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [0pt]}}%
8316 }
8317 %%

```



```

8318 % Sidenote without the footnote mark
8319 \newcommand\marginnote[2][Opt]{%
8320   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8321   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8322   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
8323   \@bidityftesidenote@print@citations%             print any citations
8324   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
8325   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8326   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8327 }
8328 \newcommand\LTRmarginnote[2][Opt]{%
8329   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8330   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8331   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
8332   \@bidityftesidenote@print@citations%             print any citations
8333   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
8334   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8335   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8336 }
8337 \newcommand\RTLmarginnote[2][Opt]{%
8338   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
8339   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8340   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@print@citations%
8341   \@bidityftesidenote@print@citations%             print any citations
8342   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
8343   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8344   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8345 }

```

55 File bidityftetoc.sty

```

8346 \NeedsTeXFormat{LaTeX2e}
8347 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8348 bidi implementation of tuftes toc]
8349 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8350 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8351 \newcommand{\@bidityftetoc@error}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8352 %%
8353 % Turn off section numbering
8354 \setcounter{secnumdepth}{-1}
8355 \newboolean{\@bidityftetoc@toc}
8356 \setboolean{\@bidityftetoc@toc}{true}
8357 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
8358 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
8359 \ProcessOptions
8360 %%
8361 % Make Tuftian-style section headings and TOC formatting
8362 \bidi@patch@AfterPackage{bidi}{%
8363   \titleformat{\chapter}%
8364     [display]% shape
8365     {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
8366     {\itshape\huge\thechapter}% label
8367     {0pt}% horizontal separation between label and title body
8368     {\huge\rmfamily\itshape}% before the title body

```



```

8369 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title
8370 \titleformat{\section}%
8371   [hang]% shape
8372   {\normalfont\Large\itshape}% format applied to label+text
8373   {\thesection}% label
8374   {1em}% horizontal separation between label and title body
8375   {}% before the title body
8376   []% after the title body
8377 \titleformat{\subsection}%
8378   [hang]% shape
8379   {\normalfont\large\itshape}% format applied to label+text
8380   {\thesubsection}% label
8381   {1em}% horizontal separation between label and title body
8382   {}% before the title body
8383   []% after the title body
8384 \titleformat{\paragraph}%
8385   [runin]% shape
8386   {\normalfont\itshape}% format applied to label+text
8387   {\theparagraph}% label
8388   {1em}% horizontal separation between label and title body
8389   {}% before the title body
8390   []% after the title body
8391 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8392 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8393 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
8394 }
8395 % Subsubsection and following section headings shouldn't be used.
8396 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
8397 \renewcommand\subsubsection{%
8398   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
8399     \MessageBreak See Robert Bringhurst's _The Elements of
8400     \MessageBreak Typographic Style_, section 4.2.2.
8401     \MessageBreak \noexpand\subsubsection was used}
8402     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8403     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8404     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8405 }
8406 \renewcommand\subparagraph{%
8407   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
8408     \MessageBreak See Robert Bringhurst's _The Elements of
8409     \MessageBreak Typographic Style_, section 4.2.2.
8410     \MessageBreak \noexpand\subparagraph was used}
8411     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
8412     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8413     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8414 }
8415 % Formatting for main TOC (printed in front matter)
8416 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8417 \ifthenelse{\boolean{@biditytetoc@toc}}{%
8418   \bidity@patch@AfterPackage{bidity}{%
8419     \titlecontents{part}% FIXME
8420     [0em] % distance from left margin
8421     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8422     {\contentslabel{2em}} % before w/label (label = ``II'')

```



```

8423 {} % before w/o label
8424 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8425 [\end{fullwidth}] % after
8426 \titlecontents{chapter}%
8427 [0em] % distance from left margin
8428 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
8429 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8430 {\hspace*{0em}} % before w/o label
8431 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8432 [\end{fullwidth}] % after
8433 \titlecontents{section}% FIXME
8434 [0em] % distance from left margin
8435 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
8436 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8437 {\hspace*{2em}} % before w/o label
8438 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8439 [\end{fullwidth}] % after
8440 \titlecontents{subsection}% FIXME
8441 [0em] % distance from left margin
8442 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
8443 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8444 {\hspace*{4em}} % before w/o label
8445 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8446 [\end{fullwidth}] % after
8447 \titlecontents{paragraph}% FIXME
8448 [0em] % distance from left margin
8449 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
8450 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8451 {\hspace*{6em}} % before w/o label
8452 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
8453 [\end{fullwidth}] % after
8454}%
8455}{%
8456%%
8457% Format lists of figures/tables
8458\renewcommand\listoffigures{%
8459 \ifundefined{chapter}%
8460 {\section*{\listfigurename}}%
8461 {\chapter*{\listfigurename}}%
8462 % \begin{fullwidth}%
8463 % \@starttoc{lof}%
8464 % \end{fullwidth}%
8465 }
8466 \renewcommand\listoftables{%
8467 \ifundefined{chapter}%
8468 {\section*{\listtablename}}%
8469 {\chapter*{\listtablename}}%
8470 % \begin{fullwidth}%
8471 % \@starttoc{lot}%
8472 % \end{fullwidth}%
8473 }
8474 \newcommand{\@bidityfttoc@lof@line}[2]{%
8475 % #1 is the figure/table number and its caption text
8476 % #2 is the page number on which the figure/table appears

```



```

8477 \leftskip 0.0em
8478 \rightskip 0em
8479 \parfillskip 0em plus 1fil
8480 \parindent 0.0em
8481 \@afterindenttrue
8482 \interlinepenalty\@M
8483 \leavevmode
8484 \@tempdima 2.0em
8485 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8486 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
8487 {#1}\nobreak\quad\nobreak#2%
8488 \par%
8489 }
8490 \renewcommand*\l@figure{\@bidityftoc@lof@line}
8491 \let\l@table\l@figure

```

56 File bidityftgeneralstructure.sty

```

8492 \NeedsTeXFormat{LaTeX2e}
8493 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
8494 bidi implementation of tufte general structure]
8495 \renewcommand\small{%
8496   \@setfontsize\small\@ixpt{12}%
8497   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8498   \abovedisplayshortskip \z@ \@plus2\p@
8499   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8500   \def\@listi{\leftmargin\leftmargini
8501             \topsep 4\p@ \@plus2\p@ \@minus2\p@
8502             \parsep 2\p@ \@plus\p@ \@minus\p@
8503             \itemsep \parsep}%
8504   \belowdisplayskip \abovedisplayskip
8505 }
8506 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8507 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
8508 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8509 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
8510 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
8511 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8512 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8513 \setlength\leftmargini {1pc}
8514 \setlength\leftmarginii {1pc}
8515 \setlength\leftmarginiii {1pc}
8516 \setlength\leftmarginiv {1pc}
8517 \setlength\leftmarginv {1pc}
8518 \setlength\leftmarginvi {1pc}
8519 \setlength\labelsep {.5pc}
8520 \setlength\labelwidth {\leftmargini}
8521 \addtolength\labelwidth{-\labelsep}
8522 \setlength{\parindent}{1.0pc}%
8523 \setlength{\parskip}{0pt}%
8524 \RequirePackage{ragged2e}
8525 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8526 % Paragraph indentation and separation for normal text
8527 \newcommand{\@bidityftgeneralstructure@reset@par}{%

```



```

8528 \setlength{\RaggedRightParindent}{1.0pc}%
8529 \setlength{\JustifyingParindent}{1.0pc}%
8530 \setlength{\parindent}{1pc}%
8531 \setlength{\parskip}{Opt}%
8532 }
8533 \@biditytgeneralstructure@reset@par
8534 % Require paralist package for tighter lists
8535 \RequirePackage{paralist}
8536 % Add rightmargin to compactenum
8537 \def\@compactenum@{%
8538 \expandafter\list\csname label\@enumctr\endcsname{%
8539 \usecounter{\@enumctr}%
8540 \rightmargin=2em% added this
8541 \parsep\plparsep
8542 \itemsep\plitemsep
8543 \topsep\pltopsep
8544 \partopsep\plpartopsep
8545 \def\makelabel##1{\hss\llap{##1}}}}
8546 %%
8547 % An environment for paragraph-style section
8548 \providecommand\newthought[1]{%
8549 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8550 \noindent\textbf{#1}%
8551 }
8552 %%
8553 % Redefine the display environments (quote, quotation, etc.)
8554 \renewenvironment{verse}
8555 {\let\\ \@centercr
8556 \list{}{\itemsep \z@
8557 \itemindent -1pc%
8558 \listparindent\itemindent
8559 \rightmargin \leftmargin
8560 \advance\leftmargin 1pc}%
8561 \small%
8562 \item\relax}
8563 {\endlist}
8564 \renewenvironment{quotation}
8565 {\list{}{\listparindent 1pc%
8566 \itemindent \listparindent
8567 \rightmargin \leftmargin
8568 \parsep \z@ \@plus\p@}%
8569 \small%
8570 \item\relax\noindent\ignorespaces}
8571 {\endlist}
8572 \renewenvironment{quote}
8573 {\list{}{\rightmargin\leftmargin}%
8574 \small%
8575 \item\relax}
8576 {\endlist}
8577 % Italicize description run-in headings (instead of the default bold)
8578 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
8579 %%
8580 % Redefine \bibsection to not mark the running heads.
8581 % (Code modified from natbib.sty.)

```



```

8582 \@ifundefined{chapter}%
8583   {\renewcommand\bibsection{\section*{\refname}}}
8584   {\@ifundefined{NAT@sectionbib}%
8585     {\renewcommand\bibsection{\chapter{\bibname}}}
8586     {\renewcommand\bibsection{\section*{\bibname}}}}
8587 \RequirePackage{multicol}
8588 \renewenvironment{theindex}{%
8589 \@ifundefined{chapter}%
8590   {\section*{\indexname}}%
8591   {\chapter{\indexname}}%
8592 \begin{fullwidth}%
8593 \small%
8594 \parskip0pt%
8595 \parindent0pt%
8596 \let\item\@idxitem%
8597 \begin{multicols}{3}%
8598 }{%
8599 \end{multicols}%
8600 \end{fullwidth}%
8601 }
8602 \AtBeginDocument{%
8603 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8604 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8605 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8606 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8607 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8608 \NeedsTeXFormat{LaTeX2e}
8609 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8610 bidi implementation of tufte hyperref]
8611 %%
8612 % Color
8613 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8614 \newboolean{@bidituftehyperref@loadhyper}
8615 \setboolean{@bidituftehyperref@loadhyper}{true}
8616 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8617 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8618 \ProcessOptions
8619 %% Loads the hyperref package and sets some default options.
8620 \newcommand{\bidituftehyperrefLoadHyperref}{%
8621 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
8622 \hypersetup{%
8623   bookmarksdepth = section,
8624   citecolor = DarkGreen,
8625   linkcolor = DarkBlue,
8626   pagecolor = DarkBlue,
8627   urlcolor = DarkGreen,
8628 }%
8629 }
8630 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8631 \bidituftehyperrefLoadHyperref%
8632 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.

```




```

8633 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8634 }

```

58 File `bidituftetitle.sty`

```

8635 \NeedsTeXFormat{LaTeX2e}
8636 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8637 bidi implementation of tufte title]
8638 \RequirePackage{biditools}
8639 %%
8640 % 'titlepage' option -- creates a full title page with \maketitle
8641 \newboolean{@bidituftetitle@titlepage}
8642 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
8643 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
8644 % Default 'book' and 'handout' options
8645 \ifclassloaded{book}{%
8646 \ExecuteOptions{titlepage}}{%
8647 \ifclassloaded{article}{%
8648 \ExecuteOptions{notitlepage}}%
8649 {}}
8650 \ProcessOptions
8651 %%
8652 % Modified \title, \author, and \date commands. These store the
8653 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8654 \newcommand{\plaintitle}{}% plain-text-only title
8655 \newcommand{\plainauthor}{}% plain-text-only author
8656 \newcommand{\plainpublisher}{}% plain-text-only publisher
8657 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8658 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8659 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8660 \newcommand{\@publisher}{}% full publisher with \thanks{}
8661 \newcommand{\thedata}{\today}
8662 \bidi@patch@AfterPackage{bidi}{%
8663 \renewcommand{\thanks}[1]{\footnote{#1}}
8664 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8665 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8666 }
8667 \renewcommand{\title}[2][]{%
8668 \gdef{@title{#2}}%
8669 \begingroup%
8670 % TODO store contents of \thanks command
8671 \renewcommand{\thanks}[1]{}% swallow \thanks contents
8672 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8673 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8674 \protected@xdef\thanklesstitle{#2}%
8675 \endgroup%
8676 \ifthenelse{\isempty{#1}}%
8677 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8678 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8679 \@ifundefined{hypersetup}%
8680 {}% hyperref is not loaded; do nothing
8681 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8682 }
8683 \let\@author\@empty% suppress default latex.ltx ``no author'' warning

```



```

8684 \renewcommand{\author}[2][]{%
8685   \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8686   \begingroup%
8687     % TODO store contents of \thanks command
8688     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8689     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8690     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8691     \protected@xdef\thanklessauthor{#2}%
8692   \endgroup%
8693   \ifthenelse{\isempty{#1}}%
8694     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8695     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8696   \@ifundefined{hypersetup}%
8697     {}% hyperref is not loaded; do nothing
8698     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8699 }
8700 \renewcommand{\date}[1]{%
8701   \gdef\@date{#1}%
8702   \begingroup%
8703     % TODO store contents of \thanks command
8704     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8705     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8706     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8707     \protected@xdef\thedata{#1}%
8708   \endgroup%
8709 }
8710 %%
8711 % Provides a \publisher command to set the publisher
8712 \newcommand{\publisher}[2][]{%
8713   \gdef\@publisher{#2}%
8714   \begingroup%
8715     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8716     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
8717     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
8718     \protected@xdef\thanklesspublisher{#2}%
8719   \endgroup%
8720   \ifthenelse{\isempty{#1}}
8721     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8722     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8723 }
8724 %%
8725 % Produces a full title page
8726 \newcommand{\maketitlepage}[0]{%
8727   \cleardoublepage%
8728   {%
8729     \bfseries%
8730     \begin{fullwidth}%
8731       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8732       \vspace{11.5pc}%
8733       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8734       \vfill%
8735       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8736     \end{fullwidth}%
8737   }

```



```

8738 \thispagestyle{empty}%
8739 \clearpage%
8740 }
8741 %%
8742 % Title block
8743 \bidi@AfterEndPreamble{%
8744 \renewcommand{\maketitle}{%
8745 \newpage%
8746 \global\@topnum\z@% prevent floats from being placed at the top of the page
8747 \begingroup%
8748 \setlength{\parindent}{0pt}%
8749 \setlength{\parskip}{4pt}%
8750 \let\@title\@empty%
8751 \let\@author\@empty%
8752 \let\@date\@empty%
8753 \gdef\@title{\LARGE\itshape\@title\par}%
8754 \gdef\@author{\Large\itshape\@author\par}%
8755 \gdef\@date{\Large\itshape\@date\par}%
8756 \@title%
8757 \@author%
8758 \@date%
8759 \endgroup%
8760 \thispagestyle{plain}% suppress the running head
8761 }%
8762 }
8763 %%
8764 % Title page (if the 'titlepage' option was passed to the bidentufte-handout
8765 % class.)
8766 \bidi@AfterEndPreamble{%
8767 \ifthenelse{\boolean{@bidentufte@titlepage}}{
8768 {\renewcommand{\maketitle}{\maketitlepage}}
8769 {}
8770 }
8771 %%
8772 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8773 % without headers and footers
8774 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8775 \hbox{}
8776 %\vspace*{\fill}
8777 %\begin{center}
8778 % This page intentionally contains only this sentence.
8779 %\end{center}
8780 %\vspace{\fill}
8781 \thispagestyle{empty}
8782 \newpage
8783 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File bidentufte-handout.cls

```

8784 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8785 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
8786 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8787 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
8788 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}

```



```

8789 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytethehyperref}}
8790 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetitle}}
8791 \ProcessOptions\relax
8792 \LoadClass{article}
8793 \RequirePackage{biditytethefloat}
8794 \RequirePackage{biditytethe sidenote}
8795 \RequirePackage{bidityttetoc}
8796 \RequirePackage{biditytethegeneralstructure}
8797 \RequirePackage{biditytethehyperref}
8798 \RequirePackage{bidityttetitle}
8799 \renewenvironment{abstract}
8800   {\begin{quotation}}
8801   {\end{quotation}}
8802 \AtBeginDocument{%
8803   \IfFileExists{biditytethe-handout.cfg}
8804     {\input{biditytethe-handout.cfg}}
8805     \ClassInfo{biditytethe-handout}{Loading biditytethe-handout configuration file \@gobble}}
8806   {}%
8807 }

```

60 File biditytethe-book.cls

```

8808 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8809 \ProvidesClass{biditytethe-book}[2011/06/18 v0.1 biditytethe-book class]
8810 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8811 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytethefloat}}
8812 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetoc}}
8813 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytethehyperref}}
8814 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetitle}}
8815 \ProcessOptions\relax
8816 \LoadClass{book}
8817 \RequirePackage{biditytethefloat}
8818 \RequirePackage{biditytethe sidenote}
8819 \RequirePackage{bidityttetoc}
8820 \RequirePackage{biditytethegeneralstructure}
8821 \RequirePackage{biditytethehyperref}
8822 \RequirePackage{bidityttetitle}
8823 %%
8824 % Set up any book-specific stuff now
8825 %%
8826 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8827 % to the opening page of Chapter 1. The running heads, when they appear,
8828 % contain only the (arabic) page number in the outside corner.
8829 %\newif\if@mainmatter \@mainmattertrue
8830 \renewcommand\frontmatter{%
8831   \cleardoublepage%
8832   \@mainmatterfalse%
8833   \pagenumbering{arabic}%
8834   %\pagestyle{plain}%
8835   \fancyhf{}%
8836   \ifthenelse{\boolean{@biditytethefloat@twoside}}{%
8837     {\fancyhead[LE,RO]{\thepage}}%
8838     {\fancyhead[RE,RO]{\thepage}}%
8839 }

```



```

8840 %%
8841 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8842 % numbering---it continues where it left off in the front matter.
8843 \renewcommand\mainmatter{%
8844   \cleardoublepage%
8845   \@mainmattertrue%
8846   \fancyhf{}%
8847   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
8848     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8849     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8850     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8851     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
8852 }
8853 %%
8854 % The back matter contains appendices, indices, glossaries, endnotes,
8855 % bibliographies, list of contributors, illustration credits, etc.
8856 \renewcommand\backmatter{%
8857   \if@openright%
8858     \cleardoublepage%
8859   \else%
8860     \clearpage%
8861   \fi%
8862   \@mainmatterfalse%
8863 }
8864 %%
8865 % Only show the chapter titles in the table of contents
8866 \setcounter{tocdepth}{0}
8867 \AtBeginDocument{%
8868   \IfFileExists{biditufte-book.cfg}
8869   {\input{biditufte-book.cfg}
8870    \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
8871   {}%
8872 }

```

61 File bidipoem.sty

```

8873 \NeedsTeXFormat{LaTeX2e}
8874 \ProvidesPackage{bidipoem}%
8875 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8876
8877 % Usage:
8878 %
8879 % \Setversedim #1#2 % define the layout (within a group):
8880 % #1 = length of both half-verses
8881 % #2 = separation distance = length of a connection, if present
8882 % Variant:
8883 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8884 % #1 = length of first (=right) half-verse
8885 % #2 = length of second (=left) half-verse
8886 % #3 = separation distance = length of a connection, if present
8887 %
8888 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8889 % #1 = text of first (=right) half-verse
8890 % #2 = text of second (=left) half-verse

```



```

8891 % Variant:
8892 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8893 % #1 = text of first (=right) half-verse
8894 % #2 = text of connection
8895 % #3 = text of second (=left) half-verse
8896 %
8897 % Alternative (if preferred):
8898 %
8899 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8900
8901
8902 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8903
8904 % define the layout, verses will be centered
8905
8906 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8907 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8908
8909 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8910 \bidipoem@hvind \textwidth
8911 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8912 \ifx [#2]\def \bidipoem@next {\bidipoem@set@verseI []}\else
8913 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
8914
8915 \def \bidipoem@set@verseI [#1]{% optional parameter
8916 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8917
8918 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8919 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8920 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8921
8922 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8923 \ifdim Opt > \bidipoem@hvind %
8924 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
8925 \else
8926 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8927 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8928 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8929 \par }
8930
8931 % macro for two half verses
8932 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8933 \ifx [#2]\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
8934 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8935 \bidipoem@half@verses@next}
8936
8937 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8938 \traditionalconnverses {#1}{#2}{#3}}
8939
8940
8941 {\catcode\^^M=\active % these lines must end with %
8942 \gdef \traditionalpoem@obeylines {\catcode\^^M=\active \let^^M \traditionalpoem@par}%
8943 \global\let^^M \traditionalpoem@par} % this is in case ^^M appears in a \write
8944 {\catcode\^^M=\active % these lines must end with %

```



```

8945 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8946 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8947 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8948 \def\poemmarginskip{1em plus 1fil minus 1em}
8949 \def\poemextrabaselineskip{0\baselineskip}
8950 \def\poemskip{\medskip}
8951 \newcommand{\bidipoem@openbox}{\leavevmode
8952 \hbox to.77778em{%
8953 \hfil\vrule
8954 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8955 \vrule\hfil}}
8956 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8957 \newdimen\versewidth
8958 \newtoks\bidipoem@p@ftn
8959 \def\poem@verse#1{%
8960 \ifdim\wd#1>\new@poem@width
8961 \xdef\new@poem@width{\the\wd#1}%
8962 \ifdim\new@poem@width>\poem@width
8963 \xdef\poem@width{\new@poem@width}%
8964 \global\let\poem@needrun\relax
8965 \fi
8966 \fi
8967 \hbox to\poem@width{\unhbox#1}%
8968 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8969 }
8970 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
8971 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
8972 \def\poem@lineversesep{%
8973 \nobreak
8974 \hskip\z@ plus 1filll%
8975 \penalty600%
8976 \hskip\poemcolsepskip
8977 \hskip\z@ plus -2filll%
8978 \vadjust{}}%
8979 \nobreak
8980 \hskip\z@ plus 1filll%
8981 }
8982 \def\poem@lineparsebegin{%
8983 \halign\bgroup
8984 \global\setbox\verse@i=\hbox{%
8985 \let\@footnotetext\bidipoem@p@ftntext%
8986 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8987 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8988 \let\@xfootnotenext\bidipoem@p@xftntext%
8989 \let\@xfootnote\bidipoem@p@xfootnote%
8990 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8991 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8992 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8993 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8994 \ignorespaces##\unskip}&&
8995 \global\setbox\verse@ii=\hbox{%
8996 \let\@footnotetext\bidipoem@p@ftntext%
8997 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8998 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%

```



```

8999 \let\@xfootnotenext\bidipoem@p@xftntext%
9000 \let\@xfootnote\bidipoem@p@xfootnote%
9001 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9002 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9003 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9004 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9005 \ignorespaces##\unskip}
9006 \cr
9007 }
9008 \def\poem@lineparseend{%
9009 \crcr\egroup
9010 \vskip-\baselineskip
9011 }
9012 \def\traditionalpoem@cr{%
9013   \cr\poem@line
9014 }
9015 \newbox\verse@i
9016 \newbox\verse@ii
9017 \newif\ifpoem@started
9018
9019 \def\poem@line{%
9020 \poem@lineparseend
9021 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9022 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9023 \ifpoem@started
9024   \ifdim\wd\verse@ii>\z@\else
9025     \nopagebreak[3]
9026     \fi
9027     \leavevmode
9028     \poem@linebegin
9029     \poem@verse\verse@i
9030     \ifdim\wd\verse@ii>\z@
9031       \poem@lineversesep
9032       \poem@verse\verse@ii
9033       \fi
9034     \poem@lineend
9035 %   \nopagebreak
9036     \par
9037     \vskip\poemextrabaselineskip
9038 \fi
9039 \poem@lineparsebegin
9040 }
9041 \def\@traditionalpoem{%
9042 \stepcounter{poem@no}
9043   \ifnum\max@poem@no<\number\c@poem@no%
9044 \xdef\poem@width{\z@}%
9045   \else
9046 \xdef\poem@width{\poem@prop{poem@width}}%
9047 \fi
9048 \xdef\new@poem@width{\z@}%
9049 \global\versewidth=\poem@width
9050 \poemskip\par
9051 \begingroup
9052 \tabskip=\z@

```




```

9053 \parskip=\z@
9054 \parindent=\z@
9055 \parfillskip=\z@
9056 \rightskip=\z@
9057 \leftskip=\z@
9058 \widowpenalty=10000% No break between verses of the same line.
9059 \clubpenalty=10000% Same as above. Not really needed.
9060 \def\newblock{\hfil\poemblocksep\hfil\null}%
9061 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9062 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9063 \global\poem@startedfalse
9064 \csname poem@obeylines\endcsname
9065 \let\poem@obeylines\relax
9066 \poem@lineparsebegin
9067 }
9068 \def\@endtraditionalpoem{%
9069 \cr
9070 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9071 \noalign{%
9072 \skip0=\poemextrabaseskip
9073 \vskip-\skip0
9074 \vskip-\baseskip
9075 }%
9076 \fi\fi
9077 \poem@lineparseend
9078 \endgroup
9079 \par
9080 \vskip\baseskip
9081 \poemskip
9082 \ifdim\new@poem@width<\poem@width
9083 \global\let\poem@needrun\relax
9084 \fi
9085 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
9086 \ifx\AtEndDocument\undefined\poem@finish\fi
9087 \@endparenv
9088 }
9089
9090
9091 \long\def\bidipoem@p@ftntext#1{%
9092 \edef\@temp{ \the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname] }%
9093 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
9094 \long\def\bidipoem@p@LTRftntext#1{%
9095 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname] }%
9096 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9097 \long\def\bidipoem@p@RTLftntext#1{%
9098 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname] }%
9099 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
9100
9101 \long\def\bidipoem@p@xftntext[#1]#2{%
9102 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}%
9103
9104 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9105 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}%
9106

```



```

9107 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9108   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
9109
9110 \def\bidipoem@p@xfootnote[#1]{%
9111   \begingroup
9112     \csname c@\@mpfn\endcsname #1\relax
9113     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9114   \endgroup
9115   \@footnotemark\bidipoem@p@xftntext[#1]}
9116
9117 \def\bidipoem@p@xLTRfootnote[#1]{%
9118   \begingroup
9119     \csname c@\@mpfn\endcsname #1\relax
9120     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9121   \endgroup
9122   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9123
9124 \def\bidipoem@p@xRTLfootnote[#1]{%
9125   \begingroup
9126     \csname c@\@mpfn\endcsname #1\relax
9127     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9128   \endgroup
9129   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9130
9131
9132
9133 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9134 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
9135 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9136 \def\poem@finish{%
9137 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9138 \ifx\poem@needrun\relax
9139 \PackageWarning{bidipoem}{Unjustified poem.  Rerun TeX to get poem right}%
9140 \global\let\poem@needrun\undefined
9141 \fi
9142 }
9143 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9144 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9145 \ifx\max@poem@no\undefined
9146   \def\max@poem@no{0}%
9147 \fi
9148 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
9149 \newcommand{\poem@write@aux}[2]{%
9150   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9151   \@x
9152 }
9153 \def\@modernpoem{%
9154 \par
9155 \begingroup
9156 \parskip=\z@
9157 \parindent=\z@
9158 \def\[{ \@settab\@tabplus\ignorespaces}%
9159 \def\]\@tabminus\ignorespaces}%
9160 \def\newblock{\poemblocksep}%

```



```

9161 \let\newpoem@tabcr\@tabcr
9162 \def\modernpoem@par{% Redefine \par for possible \obeylines
9163   \ifpoem@started\else
9164     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9165       \@stopfield
9166       \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9167       \@contfield
9168     \fi
9169   \fi
9170   \ifpoem@started\newpoem@tabcr\fi}%
9171 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9172 \global\poem@startedfalse
9173 \csname poem@obeylines\endcsname
9174 \let\poem@obeylines\relax
9175 \begin{tabbing}%
9176 }
9177 \def\@endmodernpoem{%
9178 \global\poem@startedfalse
9179 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9180   \@stopfield
9181   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9182   \@contfield
9183 \fi
9184 \ifpoem@started\else\let\@stopline\@stopfield\fi
9185 \end{tabbing}%
9186 \endgroup
9187 \par
9188 \if@nparlist \else
9189   \ifdim\lastskip >\z@
9190     \@tempskipa\lastskip \vskip -\lastskip
9191     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
9192     \vskip\@tempskipa
9193   \fi
9194   \@endparenv
9195 \fi
9196 }
9197 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9198 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9199 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9200 \gdef\@startfield{%
9201 \global\setbox\@curfield\hbox\bgroup%
9202 \let\@footnotetext\bidipoem@p@ftntext%
9203 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9204 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9205 \let\@xfootnotenext\bidipoem@p@xftntext%
9206 \let\@xfootnote\bidipoem@p@xfootnote%
9207 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9208 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9209 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9210 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9211 \color@begingroup}
9212 \gdef\@stopfield{%
9213   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
9214 \gdef\@contfield{%

```



```

9215 \global\setbox\@curfield\hbox\bgroup%
9216 \let\@footnotetext\bidipoem@p@ftntext%
9217 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9218 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9219 \let\@xfootnotenext\bidipoem@p@xftntext%
9220 \let\@xfootnote\bidipoem@p@xfootnote%
9221 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9222 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9223 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9224 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9225 \color@begingroup\unhbox\@curfield}

```

62 File boek3-xetex-bidi.def

```

9226 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
9227 \renewenvironment{theindex}{%
9228   \if@twocolumn
9229     \@restonecolfalse
9230   \else
9231     \@restonecoltrue
9232   \fi
9233   \columnseprule \z@
9234   \columnsep 35\p@
9235   \twocolumn[\@makeschapterhead{\indexname}]%
9236   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9237   \thispagestyle{plain}\parindent\z@
9238   \parskip\z@ \@plus .3\p@\relax
9239   \let\item\@idxitem
9240 }{%
9241   \if@restonecol\onecolumn\else\clearpage\fi}
9242 \renewcommand*\head@style{%
9243   \interlinepenalty \@M
9244   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9245   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9246 \renewcommand*\@regtocline[3]{%
9247   \ifnum #1>\c@tocdepth
9248   \else
9249     \vskip\z@ \@plus .2\p@
9250     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9251       \if@RTL\rightskip\else\leftskip\fi\unitindent
9252       \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
9253       \parfillskip\z@
9254       \@tempdima\unitindent
9255       \parindent\z@
9256       \leavevmode
9257       \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9258       \hskip 1em \nobreak{\slshape #3}\par
9259     }%
9260   \fi}
9261 \if@oldtoc
9262 \renewcommand*\l@part[2]{%
9263   \ifnum \c@tocdepth >-2\relax
9264     \addpenalty{-\@highpenalty}%
9265     \addvspace{2.25em \@plus\p@}%

```



```

9266 \begingroup
9267 \setlength\@tempdima{3em}%
9268 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9269 \parfillskip -\@pnumwidth
9270 {\leavevmode
9271 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9272 \nobreak
9273 \global\@nobreaktrue
9274 \everypar{\global\@nobreakfalse\everypar{}}%
9275 \endgroup
9276 \fi}
9277 \else
9278 \renewcommand*\l@part{%
9279 \ifnum \c@tocdepth >-2\relax
9280 \addpenalty{-\@highpenalty}%
9281 \addvspace{2.25em \@plus \p@}%
9282 \@regtocline{0}%
9283 \fi}
9284 \fi
9285 \if@oldtoc
9286 \renewcommand*\l@chapter[2]{%
9287 \addpenalty{-\@highpenalty}%
9288 \vskip 1.0em \@plus \p@
9289 \setlength\@tempdima{1.5em}%
9290 \begingroup
9291 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9292 \parfillskip -\@pnumwidth
9293 \leavevmode \bfseries
9294 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9295 \hskip -\if@RTL\rightskip\else\leftskip\fi
9296 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9297 \penalty\@highpenalty
9298 \endgroup}
9299 \else
9300 \renewcommand*\l@chapter{\@regtocline{0}}
9301 \fi
9302 \renewenvironment{abstract}{%
9303 \titlepage
9304 \null\vfil
9305 \section*\SectFont \abstractname}
9306 \noindent\ignorespaces}
9307 {\par\vfil\null\endtitlepage}
9308 \renewenvironment{thebibliography}[1]
9309 {\chapter*\bibname}%
9310 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9311 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9312 \bidi@thebibliography@font@hook%
9313 \list{\@biblabel{\@arabic\c@enumiv}}%
9314 {\settowidth\labelwidth{\@biblabel{#1}}%
9315 \leftmargin\labelwidth
9316 \advance\leftmargin\labelsep
9317 \@openbib@code
9318 \usecounter{enumiv}%
9319 \let\p@enumiv\@empty

```



```

9320         \renewcommand*\theenumiv{\@arabic\c@enumiv}}}%
9321         \sloppy\clubpenalty4000\widowpenalty4000%
9322         \sfcode`\.\@m}
9323     {\def\@noitemerr
9324       {\@latex@warning{Empty `thebibliography' environment}}}%
9325     \endlist}
9326 \renewcommand*\left@footnoterule{%
9327   \kern-3\p@
9328   \kern.5\baselineskip
9329   \hrule\@width\unitindent
9330   \kern.4\baselineskip
9331 }
9332 \renewcommand*\right@footnoterule{%
9333   \kern-3\p@
9334   \kern.5\baselineskip
9335   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9336   \kern.4\baselineskip}
9337 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9338 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9339 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9340 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9341 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9342 \renewcommand*\theequation{%
9343   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9344 \renewcommand*\thefigure{%
9345   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9346 \renewcommand*\thetable{%
9347   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9348 \renewcommand*\maketitle{%
9349   \begin{titlepage}%
9350     \let\footnotesize\small
9351     \let\right@footnoterule\relax
9352     \let\left@footnoterule\relax
9353     \let\textwidth\footnoterule\relax
9354     \let \footnote \thanks
9355     \long\def\@makefnmark##1{\parindent\z@
9356       \def\labelitemi{\textendash}\@revlabeltrue
9357       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9358     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9359     \if@compatibility\setcounter{page}{0}\fi
9360     \null\vfil
9361     \vskip 60\p@
9362     \begin{center}%
9363       \TitleFont
9364       {\LARGE \def\\{\penalty -\@M}
9365         \if@allcaps
9366           \expandafter\uc@nothanks\@title\thanks\relax
9367         \else
9368           \@title
9369           \fi\par}%
9370     \vskip 3em%
9371     {\large
9372       \lineskip .75em \parindent\z@
9373       \begin{tabular}[t]{c}%

```



```

9374         \if@allcaps
9375         \expandafter\uc@authornothanks\@author\and\relax
9376         \else
9377         \@author
9378         \fi
9379         \end{tabular}\par}%
9380     \vskip 1.5em%
9381     {\large
9382     \if@allcaps
9383     \uppercase\expandafter{\@date}%
9384     \else
9385     \@date
9386     \fi\par}%
9387     \end{center}\par
9388     \@thanks
9389     \vfil\null
9390 \end{titlepage}%
9391 \setcounter{footnote}{0}%
9392 \global\let\thanks\relax
9393 \global\let\maketitle\relax
9394 \global\let\@thanks\@empty
9395 \global\let\@author\@empty
9396 \global\let\@title\@empty
9397 \global\let\@date\@empty
9398 \global\let\title\relax
9399 \global\let\author\relax
9400 \global\let\date\relax
9401 \global\let\and\relax
9402 }

```

63 File boek-xetex-bidi.def

```

9403 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9404 \renewenvironment{theindex}{%
9405     \if@twocolumn
9406         \@restonecolfalse
9407     \else
9408         \@restonecoltrue
9409     \fi
9410     \columnseprule \z@
9411     \columnsep 35\p@
9412     \twocolumn[\@makeschapterhead{\indexname}]%
9413     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9414     \thispagestyle{plain}\parindent\z@
9415     \parskip\z@ \@plus .3\p@\relax
9416     \let\item\@idxitem
9417 }{%
9418     \if@restonecol\onecolumn\else\clearpage\fi}
9419 \renewcommand*\head@style{%
9420     \interlinepenalty \@M
9421     \hyphenpenalty=\@M \exhyphenpenalty=\@M
9422     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9423 \renewcommand*\@regtocline[3]{%
9424     \ifnum #1>\c@tocdepth

```



```

9425 \else
9426 \vskip\z@\@plus.2\p@
9427 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9428 \if@RTL\righskip\else\leftskip\fi\unitindent
9429 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
9430 \parfillskip\z@
9431 \@tempdima\unitindent
9432 \parindent\z@
9433 \leavevmode
9434 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
9435 \hskip 1em \nobreak{\slshape #3}\par
9436 }%
9437 \fi}
9438 \if@oldtoc
9439 \renewcommand*\l@part[2]{%
9440 \ifnum \c@tocdepth >-2\relax
9441 \addpenalty{-\@highpenalty}%
9442 \addvspace{2.25em \@plus\p@}%
9443 \begingroup
9444 \setlength\@tempdima{3em}%
9445 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
9446 \parfillskip -\@pnumwidth
9447 {\leavevmode
9448 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9449 \nobreak
9450 \global\@nobreaktrue
9451 \everypar{\global\@nobreakfalse\everypar{}}%
9452 \endgroup
9453 \fi}
9454 \else
9455 \renewcommand*\l@part{%
9456 \ifnum \c@tocdepth >-2\relax
9457 \addpenalty{-\@highpenalty}%
9458 \addvspace{2.25em \@plus \p@}%
9459 \@regtocline{0}%
9460 \fi}
9461 \fi
9462 \if@oldtoc
9463 \renewcommand*\l@chapter[2]{%
9464 \addpenalty{-\@highpenalty}%
9465 \vskip 1.0em \@plus\p@
9466 \setlength\@tempdima{1.5em}%
9467 \begingroup
9468 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
9469 \parfillskip -\@pnumwidth
9470 \leavevmode \bfseries
9471 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
9472 \hskip -\if@RTL\righskip\else\leftskip\fi
9473 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9474 \penalty\@highpenalty
9475 \endgroup}
9476 \else
9477 \renewcommand*\l@chapter{\@regtocline{0}}
9478 \fi

```




```

9479 \renewcommand*\left@footnoterule{%
9480   \kern-3\p@
9481   \kern.5\baselineskip
9482   \hrule\@width\unitindent
9483   \kern.4\baselineskip
9484 }
9485 \renewcommand*\right@footnoterule{%
9486   \kern-3\p@
9487   \kern.5\baselineskip
9488   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9489   \kern.4\baselineskip}
9490 \renewenvironment{abstract}{%
9491   \titlepage
9492   \null\vfil
9493   \section*{\SectFont \abstractname}
9494   \noindent\ignorespaces}
9495   {\par\vfil\null\endtitlepage}
9496 \renewenvironment{thebibliography}[1]
9497   {\chapter*{\bibname}%
9498     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9499     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9500     \bidi@thebibliography@font@hook%
9501     \list{\@biblabel{\@arabic\c@enumiv}}{%
9502       {\settowidth\labelwidth{\@biblabel{#1}}%
9503         \leftmargin\labelwidth
9504         \advance\leftmargin\labelsep
9505         \@openbib@code
9506         \usecounter{enumiv}%
9507         \let\p@enumiv\@empty
9508         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9509     \sloppy\clubpenalty4000\widowpenalty4000%
9510     \sfcode\.\@m}
9511   {\def\@noitemerr
9512     {\@latex@warning{Empty `thebibliography' environment}}}%
9513   \endlist}
9514 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9515 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9516 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9517 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9518 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9519 \renewcommand*\theequation{%
9520   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9521 \renewcommand*\thefigure{%
9522   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
9523 \renewcommand*\thetable{%
9524   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
9525 \renewcommand*\maketitle{%
9526   \begin{titlepage}%
9527     \let\footnotesize\small
9528     \let\right@footnoterule\relax
9529     \let\left@footnoterule\relax
9530     \let\textwidth\footnoterule\relax
9531     \let \footnote \thanks
9532     \long\def\@makefntext##1{\parindent\z@

```



```

9533         \def\labelitemi{\textendash}\@revlabeltrue
9534         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9535     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9536     \if@compatibility\setcounter{page}{0}\fi
9537     \null\vfil
9538     \vskip 60\p@
9539     \begin{center}%
9540         \TitleFont
9541         {\LARGE \def\{\{\penalty -\@M}
9542         \if@allcaps
9543             \expandafter\uc@nothanks\@title\thanks\relax
9544         \else
9545             \@title
9546             \fi\par}%
9547     \vskip 3em%
9548     {\large
9549         \lineskip .75em \parindent\z@
9550         \begin{tabular}[t]{c}%
9551             \if@allcaps
9552                 \expandafter\uc@authornothanks\@author\and\relax
9553             \else
9554                 \@author
9555             \fi
9556         \end{tabular}\par}%
9557     \vskip 1.5em%
9558     {\large
9559         \if@allcaps
9560             \uppercase\expandafter{\@date}%
9561         \else
9562             \@date
9563         \fi\par}%
9564     \end{center}\par
9565     \@thanks
9566     \vfil\null
9567 \end{titlepage}%
9568 \setcounter{footnote}{0}%
9569 \global\let\thanks\relax
9570 \global\let\maketitle\relax
9571 \global\let\@thanks\@empty
9572 \global\let\@author\@empty
9573 \global\let\@title\@empty
9574 \global\let\@date\@empty
9575 \global\let\title\relax
9576 \global\let\author\relax
9577 \global\let\date\relax
9578 \global\let\and\relax
9579 }

```

64 File `bookest-xetex-bidi.def`

```

9580 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9581 \def\@makechapterhead#1{%
9582     \vspace*{20\p@}
9583     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont

```



```

9584 \ifnum \c@secnumdepth >\m@ne
9585 \if@mainmatter
9586 {\colorA\huge\scshape \@chapapp\space \thechapter}
9587 \par\nobreak
9588 \vskip 10\p@
9589 \fi
9590 \fi
9591 \interlinepenalty\@M
9592 {\colorB\hrule}
9593 \vskip 15\p@
9594 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9595 {\colorA\Huge \bfseries #1}\par\nobreak
9596 \if@RTL\end{flushleft}\else\end{flushright}\fi
9597 \vskip 5\p@
9598 {\colorB\hrule}
9599 \vskip 30\p@
9600 }}
9601 \def\@makeschapterhead#1{%
9602 \vspace*{20\p@}
9603 {\parindent \z@ \raggedright \normalfont
9604 {\colorB\hrule}
9605 \vskip 15\p@
9606 \begin{center}
9607 {\colorA\Huge \bfseries #1}\par\nobreak
9608 \end{center}
9609 \vskip 5\p@
9610 {\colorB\hrule}
9611 \vskip 30\p@
9612 }}

```

65 File book-xetex-bidi.def

```

9613 \ProvidesFile{book-xetex-bidi.def}[2025/09/04 v1.3 bidi adaptations for standard book class]
9614 \renewenvironment{theindex}
9615 {\if@twocolumn
9616 \@restonecolfalse
9617 \else
9618 \@restonecoltrue
9619 \fi
9620 \columnseprule \z@
9621 \columnsep 35\p@
9622 \twocolumn[\@makeschapterhead{\indexname}]%
9623 \@mkboth{\MakeUppercase\indexname}%
9624 {\MakeUppercase\indexname}%
9625 \thispagestyle{plain}\parindent\z@
9626 \parskip\z@ \@plus .3\p@\relax
9627 \let\item\@idxitem}
9628 {\if@restonecol\onecolumn\else\clearpage\fi}
9629 \IfClassLoadedF{bookest}{%
9630 \if@titlepage
9631 \renewcommand\maketitle{\begin{titlepage}%
9632 \let\footnotesize\small
9633 \let\right@footnoterule\relax
9634 \let\left@footnoterule\relax

```



```

9635 \let\textwidth@footnoterule\relax
9636 \let \footnote \thanks
9637 \let \LTRfootnote \LTRthanks
9638 \let \RTLfootnote \RTLthanks
9639 \null\vfil
9640 \vskip 60\p@
9641 \begin{center}%
9642   {\LARGE \@title \par}%
9643   \vskip 3em%
9644   {\large
9645     \lineskip .75em%
9646     \begin{tabular}[t]{c}%
9647       \@author
9648     \end{tabular}\par}%
9649     \vskip 1.5em%
9650     {\large \@date \par}%           % Set date in \large size.
9651 \end{center}\par
9652 \@thanks
9653 \vfil\null
9654 \end{titlepage}%
9655 \setcounter{footnote}{0}%
9656 \global\let\thanks\relax
9657 \global\let\LTRthanks\relax
9658 \global\let\RTLthanks\relax
9659 \global\let\maketitle\relax
9660 \global\let\@thanks\@empty
9661 \global\let\@author\@empty
9662 \global\let\@date\@empty
9663 \global\let\@title\@empty
9664 \global\let\title\relax
9665 \global\let\author\relax
9666 \global\let\date\relax
9667 \global\let\and\relax
9668 }
9669 \else
9670 \renewcommand\maketitle{\par
9671   \begingroup
9672     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9673     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9674     \long\def\@makefntext#1{\parindent 1em\noindent
9675       \hb@xt@1.8em{%
9676         \hss\@textsuperscript{\normalfont\@thefnmark}}\##1}%
9677     \if@twocolumn
9678       \ifnum \col@number=\@ne
9679         \@maketitle
9680       \else
9681         \twocolumn[\@maketitle]%
9682       \fi
9683     \else
9684       \newpage
9685       \global\@topnum\z@ % Prevents figures from going at top of page.
9686       \@maketitle
9687     \fi
9688     \thispagestyle{plain}\@thanks

```



```

9689 \endgroup
9690 \setcounter{footnote}{0}%
9691 \global\let\thanks\relax
9692 \global\let\LTRthanks\relax
9693 \global\let\RTLthanks\relax
9694 \global\let\maketitle\relax
9695 \global\let\@maketitle\relax
9696 \global\let\@thanks\@empty
9697 \global\let\@author\@empty
9698 \global\let\@date\@empty
9699 \global\let\@title\@empty
9700 \global\let\title\relax
9701 \global\let\author\relax
9702 \global\let\date\relax
9703 \global\let\and\relax
9704 }
9705 \def\@maketitle{%
9706 \newpage
9707 \null
9708 \vskip 2em%
9709 \begin{center}%
9710 \let \footnote \thanks
9711 \let \LTRfootnote \LTRthanks
9712 \let \RTLfootnote \RTLthanks
9713 {\LARGE \@title \par}%
9714 \vskip 1.5em%
9715 {\large
9716 \lineskip .5em%
9717 \begin{tabular}[t]{c}%
9718 \@author
9719 \end{tabular}\par}%
9720 \vskip 1em%
9721 {\large \@date}%
9722 \end{center}%
9723 \par
9724 \vskip 1.5em}
9725 \fi}
9726 \IfPackageLoadedF{tocloft}{%
9727 \renewcommand*\l@part[2]{%
9728 \ifnum \c@tocdepth >-2\relax
9729 \addpenalty{-\@highpenalty}%
9730 \addvspace{2.25em \@plus\p}%
9731 \setlength\@tempdima{3em}%
9732 \begin{group
9733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9734 \parfillskip -\@pnumwidth
9735 {\leavevmode
9736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9737 \nobreak
9738 \global\@nobreaktrue
9739 \everypar{\global\@nobreakfalse\everypar{}}}%
9740 \end{group
9741 \fi}
9742 \renewcommand*\l@chapter[2]{%

```



```

9743 \ifnum \c@tocdepth >\m@ne
9744 \addpenalty{-\@highpenalty}%
9745 \vskip 1.0em \@plus\p@
9746 \setlength\@tempdima{1.5em}%
9747 \begingroup
9748 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9749 \parfillskip -\@pnumwidth
9750 \leavevmode \bfseries
9751 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9752 \hskip -\if@RTL\rightskip\else\leftskip\fi
9753 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
9754 \penalty\@highpenalty
9755 \endgroup
9756 \fi}
9757 }
9758 \renewcommand\left@footnoterule{%
9759 \kern-3\p@
9760 \hrule\@width.4\columnwidth
9761 \kern2.6\p@}
9762 \renewcommand\right@footnoterule{%
9763 \kern-3\p@
9764 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9765 \kern2.6\p@}
9766 \renewcommand\theequation
9767 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9768 \renewcommand \thefigure
9769 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9770 \renewcommand \thetable
9771 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9772 \renewcommand \thechapter {\@arabic\c@chapter}
9773 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9774 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9775 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9776 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9777 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9778 \def\@makechapterhead#1{%
9779 \vspace*{50\p@}%
9780 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9781 \ifnum \c@secnumdepth >\m@ne
9782 \if@mainmatter
9783 \huge\bfseries \@chapapp\space \thechapter
9784 \par\nobreak
9785 \vskip 20\p@
9786 \fi
9787 \fi
9788 \interlinepenalty\@M
9789 \Huge \bfseries #1\par\nobreak
9790 \vskip 40\p@
9791 }}
9792 \def\@makeschapterhead#1{%
9793 \vspace*{50\p@}%
9794 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9795 \normalfont
9796 \interlinepenalty\@M

```



```

9797 \Huge \bfseries #1\par\nobreak
9798 \vskip 40\p@
9799 }}
9800 \renewcommand\backmatter{%
9801 \if@openright
9802 \cleardoublepage
9803 \else
9804 \clearpage
9805 \fi
9806 \@mainmatterfalse}
9807 \IfPackageLoadedF{natbib}{%
9808 \renewenvironment{thebibliography}[1]
9809 {\chapter*{\bibname}%
9810 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9811 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9812 \bidi@thebibliography@font@hook%
9813 \list{\@biblabel{\@arabic\c@enumiv}}%
9814 {\settowidth\labelwidth{\@biblabel{#1}}%
9815 \leftmargin\labelwidth
9816 \advance\leftmargin\labelsep
9817 \@openbib@code
9818 \usecounter{enumiv}%
9819 \let\p@enumiv\@empty
9820 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9821 \sloppy
9822 \clubpenalty4000
9823 \@clubpenalty \clubpenalty
9824 \widowpenalty4000%
9825 \sfcode\.\@m}
9826 {\def\@noitemerr
9827 {\@latex@warning{Empty `thebibliography' environment}}}%
9828 \endlist}
9829 }

```

66 File breqn-xetex-bidi.def

```

9830 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9831 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9832 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9833 \if@noskipsec \leavevmode \fi
9834 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9835 \if\eq@group\else\eq@prelim\fi
9836 \setkeys{breqn}{#1}%
9837 \the\eqstyle
9838 \eq@setnumber
9839 \begingroup
9840 \eq@setup@a
9841 \eq@startup
9842 }
9843 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9844 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9845 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9846 \global\let\GRP@label\@empty
9847 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@

```



```

9848 \global\grp@linewidth\z@\global\grp@wdNum\z@
9849 \global\let\grp@eqs@numbered@False
9850 \global\let\grp@aligned@True
9851 \global\let\grp@shiftnumber@False
9852 \eq@prelim
9853 \setkeys{breqn}{#1}%
9854 \if\grp@hasNumber \grp@setnumber \fi
9855 }
9856 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
9857 \let\display@setup\dseries@display@setup
9858 % Question: should this be the default for dseries???
9859 \global\eq@wdCond\z@
9860 \@dmath[layout={M},#1]%
9861 \mathsurround\z@\@math \penalty\@Mi
9862 \let\endmath\ends@math
9863 \def\premath{%
9864 \ifdim\lastskip<.3em \unskip
9865 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9866 }%
9867 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9868 \ignorespaces
9869 }
9870 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9871 \renewenvironment{dsuspend}{%
9872 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9873 \parshape 1 \displayindent \displaywidth\relax
9874 \hsize=\columnwidth \noindent\ignorespaces
9875 }{%
9876 \par\egroup
9877 \global\setbox\GRP@box\vbox{%
9878 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9879 \unvbox\GRP@box
9880 }%
9881 \global\GRP@queue\@xp{the\GRP@queue
9882 \@elt{\let\eq@isIntertext@True}%
9883 }%
9884 }

```

67 File cals-xetex-bidi.def

```

9885 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9886 \renewcommand\cals@setup@alignment[1]{%
9887 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9888 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9889 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9890 }
9891 \renewcommand\cals@table@alignment{\ifRTLtab r\else l\fi}
9892 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9893 \ifRTLtab\cals@activate@rtl\fi
9894 \let\cals@thead@tokens=\relax
9895 \let\cals@tfoot@tokens=\relax
9896 \let\cals@tbody@tokens=\relax
9897 \cals@tfoot@height=0pt \relax
9898 \let\cals@last@context=n%

```




```

9899 \let\cals@current@context=b%
9900 \parindent=0pt \relax%
9901 \cals@setup@alignment{#1}%
9902 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsz%
9903 %% Alignment inside is independent on center/flushright outside
9904 \parfillskip=0pt plus1fil\relax
9905 \let\cals@borderL=\relax
9906 \let\cals@borderR=\relax
9907 \let\cals@borderT=\relax
9908 \let\cals@borderB=\relax
9909 \setbox\cals@backup@row=\box\voidb@x\relax
9910 \cals@AtBeginTable
9911 }{% End of the table
9912 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9913 \renewcommand\alignL{%
9914 \if@RTLtab
9915   \cals@vfillAdd\cals@paddingL
9916 \else
9917   \cals@vfillDrop\cals@paddingL
9918 \fi
9919 \cals@vfillDrop\cals@paddingR}
9920 \renewcommand\alignR{%
9921 \if@RTLtab
9922   \cals@vfillDrop\cals@paddingL
9923 \else
9924   \cals@vfillAdd\cals@paddingL
9925 \fi
9926 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9927 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package]
9928 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9929 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
9930 \renewcommand*\caption@par{%
9931   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9932 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
9933 \def\CT@setup{%
9934   \@tempdimb\col@sep
9935   \@tempdimc\col@sep
9936   \def\CT@color{%
9937     \global\let\CT@do@color\CT@@do@color
9938     \bidicolor}}
9939 \def\@classz{\@classx
9940   \@tempcnta \count@
9941   \prepnext@tok
9942 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9943   \@addtopreamble{\if@RTLtab\beginL\fi%

```



```

9944 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9945 \ifcase \@chnum
9946 \hskip\stretch{.5}\kern\z@
9947 \d@llarbegin
9948 \insert@column
9949 \d@llarend\hskip\stretch{.5}\or
9950 \d@llarbegin \insert@column \d@llarend \hfill \or
9951 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
9952 $\vcenter
9953 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9954 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9955 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9956 \fi
9957 \if@RTLtab\endR\fi\egroup\egroup
9958 \begingroup
9959 \CT@setup
9960 \CT@column@color
9961 \CT@row@color
9962 \CT@cell@color
9963 \CT@do@color
9964 \endgroup
9965 \@tempdima\ht\z@
9966 \advance\@tempdima\minrowclearance
9967 \vrule\@height\@tempdima\@width\z@
9968 \unhbox\z@\if@RTLtab\endL\fi}%
9969 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

9970 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
9971 \long\def\color@b@x#1#2#3{%
9972 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9973 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9974 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9975 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9976 \ifmmode\color@block\wd\z@\{\ht\z@\}\{dp\z@\}%
9977 \box\z@\}\ifmmode\else\if@RTL\endL\fi\fi}
9978 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
9979 \DeclareRobustCommand\color{%
9980 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
9981 \def\@declaredcolor#1{%
9982 \@ifundefined{\string\color @#1}%
9983 {\color@error{`#1'}}%
9984 {\expandafter\let\expandafter\current@color
9985 \csname\string\color @#1\endcsname
9986 \set@color}%
9987 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9988 \def\@undeclaredcolor[#1]#2{%
9989 \@ifundefined{color@#1}%
9990 {\color@error{model `#1'}}%
9991 {\csname color@#1\endcsname\current@color{#2}%
9992 \set@color}%
9993 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9994 \DeclareRobustCommand\bidicolor{%

```



```

9995 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
9996 \def\@bidiundeclaredcolor[#1]#2{%
9997 \@ifundefined{color@#1}%
9998 {\c@lor@error{model `#1'}}%
9999 {\csname color@#1\endcsname\current@color{#2}%
10000 \set@color}%
10001 \ignorespaces}
10002 \def\@bidideclaredcolor#1{%
10003 \@ifundefined{\string\color @#1}%
10004 {\c@lor@error{`#1'}}%
10005 {\expandafter\let\expandafter\current@color
10006 \csname\string\color @#1\endcsname
10007 \set@color}%
10008 \ignorespaces}
10009 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
10010 \def\color@fbbox#1#2#3{%
10011 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
10012 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

10013 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
10014 \renewcommand{\c@ll@chapsecii}[2]{%
10015 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
10016 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
10017 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10018 }
10019 \renewcommand{\c@ll@chapseci}{%
10020 \setlength\@tempdima{0em}%
10021 \begingroup
10022 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10023 \parfillskip -\@pnumwidth
10024 \leavevmode
10025 }
10026 \renewenvironment{tocindent}[1]{%
10027 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10028 \ProvidesFile{crop-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for crop package for XeT
10029 \IfClassLoadedT{memoir}{\endinput}
10030 \RequirePackage{graphicx}
10031 \renewcommand*{\CROP@ulc}{%
10032 \if@RTLmain%
10033 \begin{picture}(0,0)
10034 \unitlength\p@\thinlines
10035 \put(-40,0){\circle{10}}
10036 \put(-30,-5){\line(0,1){10}}
10037 \put(-35,0){\line(1,0){30}}
10038 \put(-10,30){\circle{10}}
10039 \put(-5,30){\line(1,0){10}}
10040 \put(0,35){\line(0,-1){30}}
10041 \end{picture}%
10042 \else%

```



```

10043 \begin{picture}(0,0)
10044 \unitlength\p@\thinline
10045 \put(-30,0){\circle{10}}
10046 \put(-30,-5){\line(0,1){10}}
10047 \put(-35,0){\line(1,0){30}}
10048 \put(0,30){\circle{10}}
10049 \put(-5,30){\line(1,0){10}}
10050 \put(0,35){\line(0,-1){30}}
10051 \end{picture}%
10052 \fi%
10053 }
10054 \renewcommand*\CROP@urc{%
10055 \if@RTLmain%
10056 \begin{picture}(0,0)
10057 \unitlength\p@\thinline
10058 \put(20,0){\circle{10}}
10059 \put(30,-5){\line(0,1){10}}
10060 \put(35,0){\line(-1,0){30}}
10061 \put(-10,30){\circle{10}}
10062 \put(-5,30){\line(1,0){10}}
10063 \put(0,35){\line(0,-1){30}}
10064 \end{picture}%
10065 \else%
10066 \begin{picture}(0,0)
10067 \unitlength\p@\thinline
10068 \put(30,0){\circle{10}}
10069 \put(30,-5){\line(0,1){10}}
10070 \put(35,0){\line(-1,0){30}}
10071 \put(0,30){\circle{10}}
10072 \put(-5,30){\line(1,0){10}}
10073 \put(0,35){\line(0,-1){30}}
10074 \end{picture}%
10075 \fi%
10076 }
10077 \renewcommand*\CROP@llc{%
10078 \if@RTLmain%
10079 \begin{picture}(0,0)
10080 \unitlength\p@\thinline
10081 \put(-40,0){\circle{10}}
10082 \put(-30,-5){\line(0,1){10}}
10083 \put(-35,0){\line(1,0){30}}
10084 \put(-10,-30){\circle{10}}
10085 \put(-5,-30){\line(1,0){10}}
10086 \put(0,-35){\line(0,1){30}}
10087 \end{picture}%
10088 \else%
10089 \begin{picture}(0,0)
10090 \unitlength\p@\thinline
10091 \put(-30,0){\circle{10}}
10092 \put(-30,-5){\line(0,1){10}}
10093 \put(-35,0){\line(1,0){30}}
10094 \put(0,-30){\circle{10}}
10095 \put(-5,-30){\line(1,0){10}}
10096 \put(0,-35){\line(0,1){30}}

```



```

10097 \end{picture}%
10098 \fi%
10099 }
10100 \renewcommand*\CROP@lrc{%
10101 \if@RTLmain%
10102 \begin{picture}(0,0)
10103 \unitlength\p@\thinline
10104 \put(20,0){\circle{10}}
10105 \put(30,-5){\line(0,1){10}}
10106 \put(35,0){\line(-1,0){30}}
10107 \put(-10,-30){\circle{10}}
10108 \put(-5,-30){\line(1,0){10}}
10109 \put(0,-35){\line(0,1){30}}
10110 \end{picture}%
10111 \else%
10112 \begin{picture}(0,0)
10113 \unitlength\p@\thinline
10114 \put(30,0){\circle{10}}
10115 \put(30,-5){\line(0,1){10}}
10116 \put(35,0){\line(-1,0){30}}
10117 \put(0,-30){\circle{10}}
10118 \put(-5,-30){\line(1,0){10}}
10119 \put(0,-35){\line(0,1){30}}
10120 \end{picture}%
10121 \fi%
10122 }
10123 \@ifpackagewith{crop}{cam}{%
10124 \CROP@except{cam}%
10125 }{}

```

74 File cutwin-xetex-bidi.def

```

10126 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10127 \renewcommand*\c@twcompctr}[2]{%
10128 \def\c@twfirst{1}
10129 \loop\advance\c@twinlines\m@ne
10130 \setbox\c@twslicea=\vsplit#1 to\baselineskip
10131 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10132 \c@twprune{\c@twslicea}{\c@twlftside}%
10133 \c@twprune{\c@twsliceb}{\c@twrtside}%
10134 \ifnum\c@twfirst=\@ne
10135 \setbox#2=\vbox{\unvbox#2\hbox
10136 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10137 \else
10138 \setbox#2=\vbox{\unvbox#2\hbox
10139 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
10140 \fi
10141 \def\c@twfirst{2}
10142 \ifnum\c@twinlines>\z@\repeat}
10143 \renewcommand*\c@twcompoddctr}[2]{%
10144 \def\c@twrounds{1}
10145 \def\c@twfirst{1}
10146 \@for\c@twlspec:=\c@twb\do{%
10147 \ifnum\c@twrounds=1

```



```

10148     \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10149     \c@twprune{\c@twslicea}{\c@twlspec}%
10150     \def\c@twrounds{2}
10151   \else
10152     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10153     \c@twprune{\c@twsliceb}{\c@twlspec}%
10154     \ifnum\c@twfirst=1
10155       \setbox#2=\vbox{\unvbox#2\hbox
10156         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\
10157       \def\c@twfirst{2}
10158     \else
10159       \setbox#2=\vbox{\unvbox#2\hbox
10160         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\el
10161     \fi
10162     \def\c@twrounds{1}
10163   \fi}}

```

75 File cuted-xetex-bidi.def

```

10164 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
10165
10166 \def\RTL@outputdblcol{%
10167   \if@firstcolumn
10168     \global\@firstcolumnfalse
10169     \global\setbox\@leftcolumn\copy\@outputbox
10170     \splitmaxdepth\maxdimen
10171     \vbadness\maxdimen
10172     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10173     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10174     \toks@\expandafter{\topmark}%
10175     \xdef\@firstcoltopmark{\the\toks@}%
10176     \toks@\expandafter{\splitfirstmark}%
10177     \xdef\@firstcolfirstmark{\the\toks@}%
10178     \ifx\@firstcolfirstmark\@empty
10179       \global\let\@setmarks\relax
10180     \else
10181       \gdef\@setmarks{%
10182         \let\firstmark\@firstcolfirstmark
10183         \let\topmark\@firstcoltopmark}%
10184     \fi
10185   \else
10186     \global\@firstcolumntrue
10187     \setbox\@outputbox\vbox{%
10188       \hb@xt@\textwidth{%
10189         \hskip \columnwidth
10190         \hfil
10191         {\normalcolor\vrule \@width\columnseprule}%
10192         \hfil
10193         \hb@xt@\columnwidth{%
10194           \bidi@firstcolumn@status@write%
10195           \box\@leftcolumn \hss}%
10196         \hskip -\textwidth
10197         \hb@xt@\columnwidth{%
10198           \bidi@lastcolumn@status@write%

```



```

10199     \box\@outputbox \hss}%
10200     \hskip \columnsep
10201     \hskip \columnwidth }}%
10202     \ifvoid\hold@viper
10203     \else
10204         \setbox\@outputbox \vbox to\textheight{%
10205             \box\hold@viper
10206             \box\@outputbox
10207             \vss
10208             }%
10209     \fi
10210 \@@combinedblfloats
10211     \@setmarks
10212     \@outputpage
10213     \beginingroup
10214         \@dblfloatplacement
10215         \@startdblcolumn
10216         \@whiles\if@fcolmade \fi{\@outputpage
10217         \@startdblcolumn}%
10218         \ifvoid\@viper
10219         \else
10220             \global\setbox\@viper\vbox{%
10221                 \vskip-\stripsep
10222                 \unvbox\@viper
10223                 }%
10224             \@viperoutput
10225         \fi
10226     \endgroup
10227 \fi}%
10228
10229 \def\LTR@outputdblcol{%
10230     \if@firstcolumn
10231         \global\@firstcolumnfalse
10232         \global\setbox\@leftcolumn\copy\@outputbox
10233         \splitmaxdepth\maxdimen
10234         \vbadness\maxdimen
10235         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10236         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10237         \toks@\expandafter{\topmark}%
10238         \xdef\@firstcoltopmark{\the\toks@}%
10239         \toks@\expandafter{\splitfirstmark}%
10240         \xdef\@firstcolfirstmark{\the\toks@}%
10241         \ifx\@firstcolfirstmark\@empty
10242             \global\let\@setmarks\relax
10243         \else
10244             \gdef\@setmarks{%
10245                 \let\firstmark\@firstcolfirstmark
10246                 \let\topmark\@firstcoltopmark}%
10247         \fi
10248     \else
10249         \global\@firstcolumntrue
10250         \setbox\@outputbox\vbox{%
10251             \hb@xt@\textwidth{%
10252                 \hb@xt@\columnwidth{%

```



```

10253      \bidi@firstcolumn@status@write%
10254      \box\@leftcolumn \hss}%
10255      \hfil
10256      {\normalcolor\vrule \@width\columnseprule}%
10257      \hfil
10258      \hb@xt@\columnwidth{%
10259      \bidi@lastcolumn@status@write%
10260      \box\@outputbox \hss}}}%
10261      \ifvoid\hold@viper
10262      \else
10263      \setbox\@outputbox \vbox to\textheight{%
10264      \box\hold@viper
10265      \box\@outputbox
10266      \vss
10267      }%
10268      \fi
10269      \@combinedblfloats
10270      \@setmarks
10271      \@outputpage
10272      \begingroup
10273      \@dblfloatplacement
10274      \@startdblcolumn
10275      \@whiles\if@fcolmade \fi{\@outputpage
10276      \@startdblcolumn}}%
10277      \ifvoid\@viper
10278      \else
10279      \global\setbox\@viper\vbox{%
10280      \vskip-\stripsep
10281      \unvbox\@viper
10282      }%
10283      \@viperoutput
10284      \fi
10285      \endgroup
10286      \fi}%
10287
10288      \def\@addviper{%
10289      \@insertfalse
10290      \def\var@@thecol@num{2}%
10291      \if@firstcolumn
10292      \def\var@@thecol@num{1}%
10293      \@reqcolroom=.5\@pageht
10294      \ht@viper=\@reqcolroom
10295      \advance\@reqcolroom by\ht@viper
10296      \advance\@reqcolroom by\stripsep
10297      \else
10298      \@reqcolroom=\@colht
10299      \advance\@reqcolroom by\@pageht
10300      \ht@viper.5\@reqcolroom
10301      \@reqcolroom=\ht@viper
10302      \advance\@reqcolroom by\ht@viper
10303      \advance\@reqcolroom by\stripsep
10304      \global\setbox\@holdpg\vbox{%
10305      \setbox\cuted@tempbox@a\vbox{%
10306      \aftergroup\unvbox

```




```

10307         \unvcopy\@leftcolumn
10308         \unskip\unkern\unpenalty
10309         \setbox\@tempboxa\lastbox
10310         \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
10311             %% keeps lastbox
10312             \aftergroup\@leftcolumn
10313         \else
10314             %% removes lastbox
10315             \aftergroup\cuted@@tempbox@a
10316         \fi
10317     }%
10318     \unskip\unkern\unpenalty
10319     \on@stripcols@break
10320     \the\At@ViperColsBreak
10321     \unvbox\@holdpg
10322 }%
10323 \global\At@ViperColsBreak{}%
10324 \ht@viper=.5\ht\@holdpg
10325 \ifdim\ht@viper>\@colht
10326     \ht@viper=\@colht
10327 \fi
10328 \fi
10329 %%
10330 %% calculations for breaking
10331 %%
10332 \ifvoid\hold@viper
10333     \ht@hold@viper=\z@
10334 \else
10335     \ht@hold@viper=\ht\hold@viper
10336 \fi
10337 \cuted@@tempdim@b\ht@viper
10338 \set@split@topskip@to\topskip
10339 \loop
10340     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
10341     \setbox\cuted@@varbox@a\copy\@holdpg
10342     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10343     %% set leftcolumn boxes
10344     \setbox\cuted@@tempbox@c\ vbox{\unvbox\cuted@@tempbox@a}%
10345     \setbox\cuted@@tempbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10346     \xdef\var@@leftcolumn@badness{\the\badness}%
10347     %% set rightcolumn boxes
10348     \setbox\cuted@@varbox@c\ vbox{\unvbox\cuted@@varbox@a}%
10349     \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10350     \xdef\var@@rightcolumn@badness{\the\badness}%
10351     %% analyzing split goodness
10352     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10353     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10354     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10355     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
10356     \cuted@@wlog@debug{CUTED [----]}%
10357     ^^JLeft: \the\ht\cuted@@tempbox@c
10358     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10359     ^^JRight: \the\ht\cuted@@varbox@c
10360     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness

```



```

10361      ^^JSplit: \the\cuted@@tempdim@b
10362      ^^JExtra height: \the\cuted@@tempdim@spread
10363    }%
10364    \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10365      \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10366        \cuted@@tempdim@spread=\z@
10367      \fi
10368    \fi
10369    \ifdim\cuted@@tempdim@spread<\z@
10370      \if@left@column@spread
10371        \if@right@column@shrink
10372          \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10373            \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10374          \else
10375            \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
10376          \fi
10377          \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
10378          \ifnum\badness<\cuted@@column@badness
10379            \cuted@@tempdim@b=\cuted@@tempdim@a
10380            \cuted@@tempdim@spread=\z@
10381          \fi
10382          \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
10383          \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
10384          \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
10385        \else
10386          \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10387            \unvcopy\cuted@@tempbox@c
10388          }%
10389          \ifnum\badness<\cuted@@column@badness
10390            \@tempdimb=\ht\cuted@@varbox@c
10391            \cuted@@tempdim@spread=\z@
10392          \fi
10393          \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\h
10394          \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10395            \unvcopy\cuted@@varbox@c
10396          }%
10397          \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\h
10398        \fi
10399      \else
10400        \if@right@column@shrink
10401          \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10402          \else
10403            \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10404            \cuted@@tempdim@spread=\z@
10405          \fi
10406        \fi
10407      \fi
10408    \else
10409      \ifdim\cuted@@tempdim@spread>\z@
10410        \ifdim\dimexpr\@tempdimb+p@\relax>\@colht
10411          \cuted@@tempdim@b=\@colht
10412          \cuted@@tempdim@spread=\z@
10413        \fi
10414      \fi

```



```

10415     \fi
10416 \ifdim\cuted@@tempdim@spread<\z@
10417     \advance\cuted@@tempdim@b 1\p@
10418 \repeat
10419 \wlog{CUTED [- LAST -]%
10420     ^^JExtra skip:\the\cuted@@tempdim@spread
10421     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10422     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10423     ^^JSplit:\saved@tempdimb
10424     ^^JOutput:\the\cuted@@tempdim@b
10425     ^^JPageshrink:\the\pageshrink
10426     ^^JPagestretch:\the\pagestretch
10427     ^^J@colht:\the\@colht
10428 }%
10429 %%
10430 %% final construction of the cuted page above strip
10431 %%
10432 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10433 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10434     \cuted@@tempdim@a=\dimexpr
10435         \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10436         \relax
10437     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10438     \unvbox\cuted@@tempbox@c
10439     \ifdim\cuted@@tempdim@spread>\dp\strutbox
10440     \else
10441         \vskip-\cuted@@tempdim@spread
10442     \fi
10443     \prevdepth\z@
10444     \hrule\@height\cuted@@page@rule width\textwidth
10445     \vskip-\cuted@@page@rule
10446     \ifdim\cuted@@tempdim@a>\z@
10447         \if@left@column@spread
10448         \else
10449             \vss
10450         \fi
10451     \else
10452         \ifdim\cuted@@tempdim@a<\z@
10453             \if@left@column@shrink
10454             \else
10455                 \vss
10456             \fi
10457         \fi
10458     \fi
10459 }%
10460 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10461     ^^JCUTED [leftcolumn badness]: \number\badness
10462 }%
10463 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
10464     \cuted@@tempdim@a=\dimexpr
10465         \cuted@@tempdim@b-\ht\@holdpg
10466         \relax
10467     \unvbox\@holdpg
10468     \ifdim\cuted@@tempdim@a>\z@

```



```

10469         \if@right@column@spread
10470         \else
10471             \vss
10472         \fi
10473     \else
10474         \ifdim\cuted@@tempdim@a<\z@
10475             \if@right@column@shrink
10476             \else
10477                 \vss
10478             \fi
10479         \fi
10480     \fi
10481 }%
10482 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10483 \setbox\cuted@@tempbox@var\vbox{%
10484     \hb@xt@\textwidth{%
10485         \if@RTLmain
10486             \hskip \columnwidth
10487             \hfil
10488             {\normalcolor\vrule \@width\columnseprule}%
10489             \hfil
10490             \hb@xt@\columnwidth{%
10491                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10492                 \hss
10493             }%
10494             \hskip -\textwidth
10495             \hb@xt@\columnwidth{%
10496                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10497                 \hss
10498             }%
10499             \hskip \columnsep
10500             \hskip \columnwidth
10501         \else
10502             \hb@xt@\columnwidth{%
10503                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10504                 \hss
10505             }%
10506             \hfil
10507             {\normalcolor\vrule \@width\columnseprule}%
10508             \hfil
10509             \hb@xt@\columnwidth{%
10510                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10511                 \hss
10512             }%
10513         \fi
10514     }%
10515 }%
10516 %%
10517 %% finalize cuted page
10518 %%
10519 \ifvoid\hold@viper
10520     \global\setbox\hold@viper\vbox{%
10521         \unvbox\cuted@@tempbox@var
10522         \penalty\interlinepenalty

```



```

10523         \vskip\stripsep
10524         \the\preCutedStrip
10525         \ifnum\outputpenalty<-\@Mii
10526             \vskip -\parskip
10527         \fi
10528         \outputpenalty\z@
10529     }%
10530 \else
10531     \global\setbox\hold@viper\vbox{%
10532         \unvbox\hold@viper
10533         \cuted@@tempbox@var
10534         \penalty\interlinepenalty
10535         \vskip\stripsep
10536         \the\preCutedStrip
10537         \ifnum\outputpenalty<-\@Mii
10538             \vskip -\parskip
10539         \fi
10540         \outputpenalty\z@
10541     }%
10542 \fi
10543 \ifdim\@colht>\@reqcolroom
10544     \global\setbox\hold@viper\vbox{%
10545         \unvbox\hold@viper
10546         \box\@viper
10547         \penalty\interlinepenalty
10548         \the\postCutedStrip
10549         \vskip\stripsep
10550         \ifnum\outputpenalty<-\@Mii
10551             \vskip -\parskip
10552         \fi
10553         \outputpenalty\z@
10554     }%
10555     \@inserttrue
10556     \global\@firstcolumntrue
10557     \advance\ht@hold@viper by-\ht\hold@viper
10558     \global\advance\@colht by\ht@hold@viper
10559     \ifdim\@colht<2.5\baselineskip
10560         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10561             too tall on page \thepage (\var@@thecol@num column)}}%
10562         \@emptycol
10563         \if@firstcolumn
10564         \else
10565             \@emptycol
10566         \fi
10567         \global\@lastvipertrue
10568 \else
10569     \global\vsizel\@colht
10570     \global\@colroom\@colht
10571     \check@floats\cuted@@tempdim@a
10572     \ifdim\cuted@@tempdim@a>\z@
10573         \global\advance\@colroom by-\cuted@@tempdim@a
10574     \fi
10575     \ifdim\@colroom<\z@
10576         \global\@colroom1\p@

```



```

10577         \ifdim\cuted@@tempdim@a>\@colht
10578         \latex@warning@no@line{TOP and/or BOT FLOAT's
10579         to large on \thepage (\var@@thecol@num column)}}%
10580         \fi
10581         \@emptycol
10582         \if@firstcolumn
10583         \else
10584         \@emptycol
10585         \fi
10586         \global\@lastvipertrue
10587     \fi
10588 \fi
10589 \fi
10590 \if@insert
10591 \else
10592     \advance\ht@hold@viper by-\ht\hold@viper
10593     \global\advance\@colht by\ht@hold@viper
10594     \global\setbox\hold@viper\vbox{%
10595         \unvbox\hold@viper
10596         \set@split@topskip@to{\z@ plus2\p@}%
10597         \vsplit\@viper to\@colht
10598         \vss
10599     }%
10600     \vbox{%
10601         \global\@firstcolumnfalse
10602         \newpage
10603     \fi
10604 }

```

76 File cvthemebidicasual.sty

```

10605 \NeedsTeXFormat{LaTeX2e}
10606 \ProvidesPackage{cvthemebidicasual}
10607 \DeclareOption{blue}{}
10608 \newif\if@colourorange\@colourorangefalse
10609 \DeclareOption{orange}{\@colourorangetrue}
10610 \newif\if@colourgreen\@colourgreenfalse
10611 \DeclareOption{green}{\@colourgreentrue}
10612 \newif\if@colourred\@colourredfalse
10613 \DeclareOption{red}{\@colourredtrue}
10614 \newif\if@colourgrey\@colourgreyfalse
10615 \DeclareOption{grey}{\@colourgreytrue}
10616 \DeclareOption*{
10617     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
10618 \ExecuteOptions{colour}
10619 \ProcessOptions\relax
10620 \renewcommand*{\listitemsymbol}{\textbullet}
10621 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10622 \familynamecolour{808080}
10623 \firstnamecolour{A9A9A9}
10624 \quotecolour{696969}
10625 \addresscolour{696969}
10626 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10627 \sectiontitlecolour{1E90FF}

```



```

10628 \subsectioncolour{4682B4}
10629 \definecolor{rulecolour}{gray}{0.6}
10630 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10631 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10632 \if@colourorange
10633   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10634   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10635   \sectiontitlecolour{FF8C00}
10636   \subsectioncolour{FF8C00}
10637   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10638   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10639 \if@colourgreen
10640   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10641   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10642   \sectiontitlecolour{008000}
10643   \subsectioncolour{008000}
10644   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10645   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10646 \if@coloured
10647   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10648   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10649   \sectiontitlecolour{FF0000}
10650   \subsectioncolour{FF0000}
10651   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10652   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10653 \if@colourgrey
10654   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10655   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10656   \sectiontitlecolour{808080}
10657   \subsectioncolour{808080}
10658   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10659   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10660 \renewcommand*{\ttdefault}{pcr}
10661 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10662 \renewcommand*{\familynamefont}{\firstnamefont}
10663 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10664 \renewcommand*{\quoteont}{\large\slshape}
10665 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10666 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10667 \renewcommand*{\maketitle}{%
10668   {%
10669     \ifthenelse{\isundefined{\@photo}}{%
10670       {%
10671         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
10672         \hfill%
10673         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
10674         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
10675       \ifthenelse{\isundefined{\@quote}}{%
10676         {%
10677           \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
10678         }%
10679       \newif\iffirstfooterelement\@firstfooterelementtrue
10680       \providecommand*{\footersymbol}{%
10681       \renewcommand*{\footersymbol}{%

```



```

10682 \if@firstfooterelement%
10683 \else%
10684 { ~\color{footersymbolcolor}\textbullet~~}\fi}
10685 \providecommand*\makefooter{}
10686 \renewcommand*\makefooter{%
10687 \fancypagestyle{plain}{%
10688 \fancyfoot[c]{%
10689 \parbox{0.8\textwidth}{%
10690 \centering%
10691 \addressfont\@addresscolour%
10692 \ifthenelse{isundefined{\@address}}{}{}%
10693 \addresssymbol~\@address\\%
10694 \@firstfooterelementfalse}%
10695 \ifthenelse{isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
10696 \ifthenelse{isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
10697 \ifthenelse{isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
10698 \ifthenelse{isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
10699 \ifthenelse{isundefined{\@extrainfo}}{}{\footersymbol\extrainfo\@firstfooterelementfalse}%
10700 }%
10701 \pagestyle{plain}}
10702 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10703 \NeedsTeXFormat{LaTeX2e}
10704 \ProvidesPackage{cvthemebidiclassic}
10705 \DeclareOption{blue}{}
10706 \newif\if@colourorange\@colourorangefalse
10707 \DeclareOption{orange}{\@colourorangetrue}
10708 \newif\if@colourgreen\@colourgreenfalse
10709 \DeclareOption{green}{\@colourgreentrue}
10710 \newif\if@colourred\@colourredfalse
10711 \DeclareOption{red}{\@colourredtrue}
10712 \newif\if@colourgrey\@colourgreyfalse
10713 \DeclareOption{grey}{\@colourgreytrue}
10714 \DeclareOption*{
10715 \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
10716 \ExecuteOptions{colour}
10717 \ProcessOptions\relax
10718 \renewcommand*\listitemsymbol{\textbullet}
10719 \firstnamecolour{}
10720 \familynamecolour{}
10721 \titlecolour{808080}
10722 \quotecolour{696969}
10723 \addresscolour{696969}
10724 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10725 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10726 \sectiontitlecolour{1E90FF}
10727 \subsectioncolour{4682B4}
10728 \if@colourorange
10729 \addresscolour{FF8C00}
10730 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10731 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10732 \sectiontitlecolour{FF8C00}

```




```

10733 \subsectioncolour{FF8C00}\fi
10734 \if@colourgreen
10735 \addresscolour{008000}
10736 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10737 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10738 \sectiontitlecolour{008000}
10739 \subsectioncolour{008000}\fi
10740 \if@colourred
10741 \addresscolour{FF0000}
10742 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10743 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10744 \sectiontitlecolour{FF0000}
10745 \subsectioncolour{FF0000}\fi
10746 \if@colourgrey
10747 \addresscolour{808080}
10748 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10749 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10750 \sectiontitlecolour{808080}
10751 \subsectioncolour{808080}\fi
10752 \renewcommand*{\ttdefault}{pcr}
10753 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10754 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10755 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10756 \renewcommand*{\familynamefont}{\firstnamefont}
10757 \renewcommand*{\quoteont}{\large\slshape}
10758 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10759 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10760 \newlength{\maketitlenamemaxwidth}
10761 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
10762 \newlength{\maketitlenamefullwidth}
10763 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
10764 \newlength{\maketitlenamewidth}
10765 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
10766 \newlength{\maketitlepicturewidth}
10767 \setlength{\maketitlepicturewidth}{\@photowidth}
10768 \newlength{\maketitledetailwidth}
10769 \renewcommand*{\recomputethemelengths}{%
10770 \setlength{\maketitledetailwidth}{\textwidth}%
10771 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
10772 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10773 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10774 \recomputethemelengths
10775 \newif\if@firstdetailselement\@firstdetailselementtrue
10776 \newcommand*{\maketitledetailsnewline}{
10777 \if@firstdetailselement%
10778 \@firstdetailselementfalse%
10779 \else%
10780 \[\[.2em]\fi}
10781 \renewcommand*{\maketitle}{%
10782 % name and title
10783 \begin{minipage}[b]{\maketitlenamewidth}%
10784 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
10785 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}%
10786 \end{minipage}%

```



```

10787 % optional data
10788 \begin{minipage}[b]{\maketitledetailswidth}%
10789   \bidi@raggedleft\addressfont\@addresscolour%
10790   \ifthenelse{\isundefined{\@address}}{\}%
10791     \maketitledetailsnewline%
10792     \addresssymbol~\@address%
10793     \ifthenelse{\isundefined{\@mobile}}{\}\{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10794     \ifthenelse{\isundefined{\@phone}}{\}\{\maketitledetailsnewline\phonesymbol~\@phone}%
10795     \ifthenelse{\isundefined{\@fax}}{\}\{\maketitledetailsnewline\faxsymbol~\@fax}%
10796     \ifthenelse{\isundefined{\@email}}{\}\{\maketitledetailsnewline\emailsymbol~\emailink{\@e
10797     \ifthenelse{\isundefined{\@extrainfo}}{\}\{\maketitledetailsnewline\@extrainfo}%
10798 \end{minipage}%
10799 % optional photo
10800 \ifthenelse{\isundefined{\@photo}}%
10801   {\%
10802     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10803 % optional quote
10804 \ifthenelse{\isundefined{\@quote}}%
10805   {\%
10806   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
10807 }

```

78 File dblfnote-xetex-bidi.def

```

10808 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10809 \let\autofootnoterule\relax
10810 \let\rightfootnoterule\relax
10811 \let\leftfootnoterule\relax
10812 \let\textwidthfootnoterule\relax
10813 \let\LRfootnoterule\relax
10814 \def\footnoterule{\kern-3\p@
10815   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10816 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10817 \let\@footnotetext\dfn@footnotetext}
10818 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10819   \let\insert\dfn@gobble
10820   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10821   \def\@makefnmark{\smash{\dfn@makefnmark}}
10822   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10823   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10824   \ifdim\dfn@dima>\z@else
10825     \dfn@dima1sp\relax
10826     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10827   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10828     \ifvoid\dfn@inselse
10829       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10830     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10831   \setbox\dfn@boxa\copy\dfn@ins
10832   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10833   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10834   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10835   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10836   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10837 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext

```



```

10838 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10839 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10840     \let\insert\dfn@gobble
10841     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10842     \def\@makefnmark{\smash{\dfn@makefnmark}}
10843     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10844     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10845     \ifdim\dfn@dima>z@\else
10846         \dfn@dima1sp\relax
10847         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10848     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10849         \ifvoid\dfn@ins\else
10850             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10851             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10852     \setbox\dfn@boxa\copy\dfn@ins
10853     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10854     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10855     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10856     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10857     \xdef\dfn@list{\dfn@list\@elt{number\dfn@dima}{number\@tempdima}}}}
10858 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10859 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10860 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10861     \dfn@dima\ht\footins
10862     \@tempcnta\z@ \dfn@countins
10863     \@tempdima\z@ \let\@elt\dfn@elt@getht
10864     \dfn@list\@nil
10865     \ifdim\@tempdima=\z@\else
10866         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10867         \global\setbox\dfn@ins\box\dfn@ins
10868         \@tempswatrue
10869         \ifdfn@trysingle
10870             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10871             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10872             \advance\@tempdima-\skip\footins
10873             \advance\@tempdima-\ht\dfn@boxa
10874             \ifdim\@tempdima<\z@\else \@tempswafalse
10875                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10876                     \footnoterule \unvbox\dfn@boxa}\fi\fi
10877             \if@tempswa
10878                 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10879                 \global\setbox\footins\vbox{\hbox{%
10880                     \hskip \DFNcolumnwidth
10881                     \hskip\DFNcolumnsep
10882                     \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10883                         \unvbox\dfn@boxb\vss}\hss}
10884                     \hskip -\textwidth
10885                     \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10886                         \vbox to\@tempdima{
10887                             \setbox\@tempboxa\vbox{\footnoterule}
10888                             \ifdfn@ruleboth \unvbox\@tempboxa
10889                             \else \@tempdima\ht\@tempboxa
10890                                 \advance\@tempdima\dp\@tempboxa
10891                                 \vskip\@tempdima

```



```

10892             \prevdepth\dp\@tempboxa \fi
10893             \unvbox\dfn@boxa\vss}\fi\hss}
10894             \hskip \DFNcolumnsep
10895             \hskip \DFNcolumnwidth}}\fi\fi
10896 \global\dfn@fnht\z@
10897 \ifx\dfn@list\@empty\else
10898     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10899     \dfn@list \global\advance\dfn@fnht\dfn@dimb
10900     \let\@elt\relax
10901     \ifdim\dfn@dimb>\z@
10902         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10903         \insert\footins{\floatingpenalty\@MM
10904             \vbox to\dfn@dimb{}}\fi
10905     \ifdim\dfn@fnht>\@tempdima
10906         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10907         \global\dfn@fnht\@tempdima
10908         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10909         \xdef\dfn@afteroutput{\insert\footins{
10910             \floatingpenalty\@MM
10911             \vbox to\number\@tempdimb sp{}}}%
10912         \global\let\noexpand\dfn@afteroutput\relax}%
10913     \fi\fi
10914 \fi}%
10915 \let\footnoterule\relax \dfn@latex@makecol
10916 \let\footnoterule\dfn@footnoterule}
10917 \def\dfn@LTRmakecol{\ifvoid\footins\else
10918     \dfn@dima\ht\footins
10919     \@tempcnta\z@ \dfn@countins
10920     \@tempdima\z@ \let\@elt\dfn@elt@getht
10921     \dfn@list\@nil
10922     \ifdim\@tempdima=\z@\else
10923         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10924         \global\setbox\dfn@ins\box\dfn@ins
10925         \@tempswatrue
10926         \ifdfn@trysingle
10927             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10928             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10929             \advance\@tempdima-\skip\footins
10930             \advance\@tempdima-\ht\dfn@boxa
10931             \ifdim\@tempdima<\z@\else \@tempswafalse
10932                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10933                     \footnoterule \unvbox\dfn@boxa}\fi\fi
10934         \if@tempswa
10935             \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10936             \global\setbox\footins\vbox{\hbox{%
10937                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10938                     \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10939                 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10940                     \vbox to\@tempdima{
10941                         \setbox\@tempboxa\vbox{\footnoterule}
10942                         \ifdfn@ruleboth \unvbox\@tempboxa
10943                         \else \@tempdima\ht\@tempboxa
10944                             \advance\@tempdima\dp\@tempboxa
10945                             \vskip\@tempdima

```



```

10946                                \prevdepth\dp\@tempboxa \fi
10947                                \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10948    \global\dfn@fnht\z@
10949    \ifx\dfn@list\@empty\else
10950        \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10951        \dfn@list \global\advance\dfn@fnht\dfn@dimb
10952        \let\@elt\relax
10953        \ifdim\dfn@dimb>\z@
10954            \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10955            \insert\footins{\floatingpenalty\@MM
10956                \vbox to\dfn@dimb{}}}\fi
10957        \ifdim\dfn@fnht>\@tempdima
10958            \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10959            \global\dfn@fnht\@tempdima
10960            \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10961            \xdef\dfn@afteroutput{\insert\footins{
10962                \floatingpenalty\@MM
10963                \vbox to\number\@tempdimb sp{}}}%
10964            \global\let\noexpand\dfn@afteroutput\relax}%
10965        \fi\fi
10966    \fi}%
10967    \let\footnoterule\relax \dfn@latex@makecol
10968    \let\footnoterule\dfn@footnoterule}
10969 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10970 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10971 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10972 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

10973 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
10974 \bidi@patchcmd{\diagbox@double}{%
10975     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10976 }{\bidi@@diagbox@double@ii}{}}
10977 \bidi@patchcmd{\diagbox@double}{%
10978     \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10979 }{\bidi@@diagbox@double@iii}{}}
10980 \newcommand*{\bidi@@diagbox@double@ii}{%
10981     \if@RTL
10982         \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
10983     \else
10984         \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10985     \fi
10986 }
10987 \newcommand*{\bidi@@diagbox@double@iii}{%
10988     \if@RTL
10989         \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10990     \else
10991         \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10992     \fi
10993 }
10994 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10995     \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10996 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{}}

```



```

10997 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10998   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
10999 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
11000 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11001   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
11002 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
11003 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
11004   \if@RTL
11005     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
11006   \else
11007     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11008   \fi
11009 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
11010   \if@RTL
11011     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11012   \else
11013     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
11014   \fi
11015 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
11016 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11017   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
11018 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
11019 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11020   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11021 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11022 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11023   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11024 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11025 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
11026   \if@RTL
11027     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}
11028   \else
11029     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11030   \fi
11031 }
11032 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11033   \if@RTL
11034     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11035   \else
11036     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
11037   \fi
11038 }
11039 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11040 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11041   \diagbox@setlinecolor
11042   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11043 }{%
11044   {\diagbox@setlinecolor
11045     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
11046 }{-}{-}
11047 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11048 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11049   \diagbox@setlinecolor
11050   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%

```



```

11051 }{%
11052   {\diagbox@setlinecolor
11053     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11054 }{}{}
11055 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11056 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11057   \diagbox@setlinecolor
11058   \Line(0,\yym)(\x,0)
11059   \Line(\xm,\y)(\x,0)%
11060 }{%
11061   {\diagbox@setlinecolor
11062     \Line(0,\yym)(\x,0)
11063     \Line(\xm,\y)(\x,0)}%
11064 }{}{}
11065 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11066   \diagbox@setlinecolor
11067   \Line(0,0)(\xxm,\y)
11068   \Line(0,0)(\x,\yym)%
11069 }{%
11070   {\diagbox@setlinecolor
11071     \Line(0,0)(\xxm,\y)
11072     \Line(0,0)(\x,\yym)}%
11073 }{}{}
11074 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11075   \diagbox@setlinecolor
11076   \Line(0,\ym)(\x,\y)
11077   \Line(\xm,0)(\x,\y)%
11078 }{%
11079   {\diagbox@setlinecolor
11080     \Line(0,\ym)(\x,\y)
11081     \Line(\xm,0)(\x,\y)}%
11082 }{}{}
11083 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11084   \diagbox@setlinecolor
11085   \Line(0,\y)(\xxm,0)
11086   \Line(0,\y)(\x,\ym)%
11087 }{%
11088   {\diagbox@setlinecolor
11089     \Line(0,\y)(\xxm,0)
11090     \Line(0,\y)(\x,\ym)}%
11091 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11092 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
11093 \renewcommand\SetWatermarkText[1]{%
11094   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

81 File eso-pic-xetex-bidi.def

```

11095 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
11096 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11097   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
11098

```



```

11099 \ESO@isMEMOIR{%
11100   \renewcommand\AtTextUpperLeft[1]{%
11101     \begingroup
11102       \ifodd\c@page
11103         \if@RTLmain
11104           \ESO@tempdima=\paperwidth
11105           \advance\ESO@tempdima-\textwidth
11106           \advance\ESO@tempdima-\spinemargin
11107         \else
11108           \ESO@tempdima=\spinemargin
11109         \fi
11110       \else
11111         \if@RTLmain
11112           \ESO@tempdima=\spinemargin
11113         \else
11114           \ESO@tempdima=\paperwidth
11115           \advance\ESO@tempdima-\textwidth
11116           \advance\ESO@tempdima-\spinemargin
11117         \fi
11118       \fi
11119       \ESO@tempdimb=-\uppermargin
11120       \AtPageUpperLeft{%
11121         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11122       }%
11123     \endgroup
11124   }
11125 }{%
11126   \renewcommand\AtTextUpperLeft[1]{%
11127     \begingroup
11128       \ESO@tempdima=1in\relax
11129       \if@twoside
11130         \ifodd\c@page
11131           \if@RTLmain
11132             \advance\ESO@tempdima\evensidemargin
11133           \else
11134             \advance\ESO@tempdima\oddsidemargin
11135           \fi
11136         \else
11137           \if@RTLmain
11138             \advance\ESO@tempdima\oddsidemargin
11139           \else
11140             \advance\ESO@tempdima\evensidemargin
11141           \fi
11142         \fi
11143       \else
11144         \advance\ESO@tempdima\oddsidemargin
11145       \fi
11146       \ESO@tempdimb=-1in\relax
11147       \advance\ESO@tempdimb-\topmargin
11148       \advance\ESO@tempdimb-\headheight
11149       \advance\ESO@tempdimb-\headsep
11150       \AtPageUpperLeft{%
11151         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11152       }%

```




```

11153 \endgroup
11154 }
11155 }

```

82 File empheq-xetex-bidi.def

```

11156 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
11157 \MHInternalSyntaxOn
11158 \def\EQ_tag_plus_endmark:{%
11159 \iftagsleft@
11160 \gdef\maketag@@@##1{%
11161 \hfuzz\displaywidth
11162 \ifRTL\makebox[\widthof{##1}][r]{%
11163 \hbox to \displaywidth{\m@th\normalfont##1\hss
11164 \raisebox{-\dp\EQ_mathdisplay_box
11165 -\depthof{\EQ_outerbox:}}{
11166 {\PotEndMark{\hss}}}}
11167 \else\makebox[\widthof{##1}][l]{%
11168 \hbox to \displaywidth{\m@th\normalfont##1\hss
11169 \raisebox{-\dp\EQ_mathdisplay_box
11170 -\depthof{\EQ_outerbox:}}{
11171 {\PotEndMark{\hss}}}}\fi}%
11172 \MH_else:
11173 \gdef\maketag@@@##1{%
11174 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11175 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
11176 \MH_addtolength:dn \@tempdima
11177 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11178 \setlength{\@tempdimb}
11179 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11180 +\depthof{\EQ_innerbox:}}
11181 \MH_if_dim:w \@tempdima>\@tempdimb
11182 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11183 -\@tempdima+\g_EQ_bottomrow_depth_dim}
11184 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11185 \def\EQ_next:{\raisebox{\@tempdima}}%
11186 \MH_else:
11187 \def\EQ_next:{
11188 \raisebox{-\dp\EQ_mathdisplay_box
11189 -\depthof{\EQ_outerbox:}}}%
11190 \MH_fi:\EQ_next:}}}%
11191 \MH_fi:}
11192 \def\EQ_post_process:{%
11193 \EQ_initialize:
11194 \EQ_begin_equation:
11195 \MH_if_boolean:nT {outer_mult}{
11196 \setkeys{MT_options_name:}{
11197 firstline-afterskip=Opt,
11198 lastline-preskip=Opt,
11199 multlined-width=Opt,
11200 }
11201 \ifodd \l_EQ_alignmentmode_int
11202 \setkeys{MT_options_name:}{multlined-pos=b}
11203 \MH_else:

```



```

11204     \setkeys{\MT_options_name:}{multlined-pos=t}
11205     \MH_fi:
11206     \g@addto@macro\EQ_complete_mathdisplay:{
11207         \begin{MTmultlined}\relax
11208     }
11209     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11210     \MH_if_boolean:nT {outer_mult}{
11211         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11212     }
11213     \EQ_end_equation:
11214     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11215     \savecounters@
11216     \EQ_typeset_tags:
11217     \edef\l_EQ_equation_fint{\number\c@equation}
11218     \restorecounters@
11219     \Hy@linkcounter=\EQ_hyperref_link_fint
11220     \settowidth\l_EQ_totalwidth_dim{%
11221         $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
11222     \MH_if_boolean:nTF {outer_mult}
11223     { \def\EQ_next:{_mult} }
11224     { \def\EQ_next:{} }
11225     \@nameuse{EQ_modify_linewidth_
11226         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11227     \EQ_typeset_display:
11228     \@nameuse{EQ_find_displaywidth_
11229         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11230     \MH_addtolength:dn
11231     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11232     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11233         $\EQ_left_side:
11234         \EQ_innerbox:{%
11235             \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11236             \makebox[\l_EQ_displaywidth_dim][c]
11237             {\usebox{\EQ_mathdisplay_box}}}%
11238         \MH_or:
11239             \makebox[\l_EQ_displaywidth_dim][c]
11240             {\usebox{\EQ_mathdisplay_box}}}%
11241         \MH_or:
11242             \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11243                 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11244                     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11245                         \kern-\@mathmargin
11246                         \MH_fi:
11247                         \MH_fi:
11248                         \usebox{\EQ_mathdisplay_box}}%
11249                 \else\makebox[\l_EQ_displaywidth_dim][l]{%
11250                     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11251                         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11252                             \kern-\@mathmargin
11253                             \MH_fi:
11254                             \MH_fi:
11255                             \usebox{\EQ_mathdisplay_box}}\fi%
11256                 \MH_or:
11257                 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%

```



```

11258      \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11259      \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11260      \kern-\@mathmargin
11261      \MH_fi:
11262      \MH_fi:
11263      \usebox{\EQ_mathdisplay_box}}
11264      \else\makebox[\l_EQ_displaywidth_dim][l]{%
11265      \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11266      \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11267      \kern-\@mathmargin
11268      \MH_fi:
11269      \MH_fi:
11270      \usebox{\EQ_mathdisplay_box}}\fi%
11271      \MH_fi:}%
11272      \EQ_right_side:$}%
11273      \begin{AmSequation*}
11274      \@nameuse{EQ_place_display_
11275      \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11276      \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11277      \MH_set_boolean_T:n {show_manual_tags}
11278      \MH_if_case:w \l_EQ_alignmentmode_int
11279      \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
11280      \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
11281      \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
11282      \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
11283      \MH_fi:
11284      \MH_fi:
11285      \end{AmSequation*}
11286      \global\c@equation=\l_EQ_equation_fint\relax
11287      }
11288      \AtBeginDocument{%
11289      \@ifpackageloaded{fancybox}{%
11290      \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11291      {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11292      \renewcommand*{shadowbox}{%
11293      \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
11294      \VerbBox\EQ_shadowbox:n}
11295      {\MH_set_boolean_F:n {shadowbox_star}
11296      \VerbBox\EQ_shadowbox:n}}
11297      \def\EQ_shadowbox:n #1{%
11298      \sbox{\z@}{\fbox{#1}}%
11299      \MH_if_boolean:nTF {shadowbox_star}{
11300      \MH_setlength:dn \@tempdima{\z@}%
11301      }{
11302      \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11303      }
11304      \raisebox{\@tempdima}{%
11305      \if@RTL\makebox[\z@][r]{%
11306      \kern\shadowsize \textcolor{shadowcolor}{%
11307      \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11308      }%
11309      \else\makebox[\z@][l]{%
11310      \kern\shadowsize \textcolor{shadowcolor}{%
11311      \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%

```



```

11312      }\fi%
11313      \usebox\z@\textcolor{shadowcolor}{%
11314        \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11315    }-%
11316  }
11317  \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11318 \ProvidesFile{extarticle-xetex-bidi.def}[2025/09/08 v0.7 bidi adaptations for extarticle cla
11319 \renewcommand*\l@section[2]{%
11320   \ifnum \c@tocdepth >\z@
11321     \addpenalty\@secpenalty
11322     \addvspace{1.0em \@plus\p@}%
11323     \setlength\@tempdima{1.5em}%
11324     \begingroup
11325       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11326       \parfillskip -\@pnumwidth
11327       \leavevmode \bfseries
11328       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11329       \hskip -\if@RTL\rightskip\else\leftskip\fi
11330       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11331     \endgroup
11332   \fi}
11333 \renewcommand*\l@part[2]{%
11334   \ifnum \c@tocdepth >-2\relax
11335     \addpenalty\@secpenalty
11336     \addvspace{2.25em \@plus\p@}%
11337     \begingroup
11338       \setlength\@tempdima{3em}%
11339       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11340       \parfillskip -\@pnumwidth
11341       {\leavevmode
11342         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11343       \nobreak
11344     \endgroup
11345   \fi}
11346 \ApplyPatchIfPackageLoaded{nameref}{%
11347   \bidi@patchcmd\NR@part\raggedright{%
11348     \if@RTL\raggedleft\else\raggedright\fi
11349   }{\bidi@warningnoline{Oops! patching `string\NR@part' failed}}%
11350   \bidi@patchcmd\NR@spart\raggedright{%
11351     \if@RTL\raggedleft\else\raggedright\fi
11352   }{\bidi@warningnoline{Oops! patching `string\NR@spart' failed}}%
11353 }-%
11354 \bidi@patchcmd\@part\raggedright{%
11355   \if@RTL\raggedleft\else\raggedright\fi
11356 }{\bidi@warningnoline{Oops! patching `string\@part' failed}}%
11357 \bidi@patchcmd\@spart\raggedright{%
11358   \if@RTL\raggedleft\else\raggedright\fi
11359 }{\bidi@warningnoline{Oops! patching `string\@spart' failed}}%
11360 }
11361 \renewenvironment{thebibliography}[1]
11362   {\section*{\refname

```



```

11363      \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11364      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11365      \bidi@thebibliography@font@hook%
11366      \list{\@biblabel{\@arabic\c@enumiv}}%
11367      {\settowidth\labelwidth{\@biblabel{#1}}%
11368      \leftmargin\labelwidth
11369      \advance\leftmargin\labelsep
11370      \@openbib@code
11371      \usecounter{enumiv}%
11372      \let\p@enumiv\@empty
11373      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11374      \sloppy\clubpenalty4000\widowpenalty4000%
11375      \sfcode`. \m}
11376      {\def\@noitemerr
11377      {\@latex@warning{Empty `thebibliography' environment}}}%
11378      \endlist}
11379 \renewcommand\left@footnoterule{%
11380 \kern-3\p@
11381 \hrule\@width.4\columnwidth
11382 \kern2.6\p@}
11383 \renewcommand\right@footnoterule{%
11384 \kern-3\p@
11385 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11386 \kern2.6\p@}
11387 \if@titlepage
11388 \renewcommand\maketitle{\begin{titlepage}%
11389 \let\footnotesize\small
11390 \let\right@footnoterule\relax
11391 \let\left@footnoterule\relax
11392 \let\textwidth\footnoterule\relax
11393 \let \footnote \thanks
11394 \null\vfil
11395 \vskip 60\p@
11396 \begin{center}%
11397 {\LARGE \@title \par}%
11398 \vskip 3em%
11399 {\large
11400 \lineskip .75em%
11401 \begin{tabular}[t]{c}%
11402 \@author
11403 \end{tabular}\par}%
11404 \vskip 1.5em%
11405 {\large \@date \par}% % Set date in \large size.
11406 \end{center}\par
11407 \@thanks
11408 \vfil\null
11409 \end{titlepage}%
11410 \setcounter{footnote}{0}%
11411 \global\let\thanks\relax
11412 \global\let\maketitle\relax
11413 \global\let\@thanks\@empty
11414 \global\let\@author\@empty
11415 \global\let\@date\@empty
11416 \global\let\@title\@empty

```



```

11417 \global\let\title\relax
11418 \global\let\author\relax
11419 \global\let\date\relax
11420 \global\let\and\relax
11421 }
11422 \else
11423 \renewcommand\maketitle{\par
11424 \begin{group}
11425 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11426 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11427 \long\def\@makefntext##1{\parindent 1em\noindent
11428 \hb@xt@1.8em{%
11429 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11430 \if@twocolumn
11431 \ifnum \col@number=\@one
11432 \@maketitle
11433 \else
11434 \twocolumn[\@maketitle]%
11435 \fi
11436 \else
11437 \newpage
11438 \global\@topnum\z@ % Prevents figures from going at top of page.
11439 \@maketitle
11440 \fi
11441 \thispagestyle{plain}\@thanks
11442 \end{group}
11443 \setcounter{footnote}{0}%
11444 \global\let\thanks\relax
11445 \global\let\maketitle\relax
11446 \global\let\@maketitle\relax
11447 \global\let\@thanks\@empty
11448 \global\let\@author\@empty
11449 \global\let\@date\@empty
11450 \global\let\@title\@empty
11451 \global\let\title\relax
11452 \global\let\author\relax
11453 \global\let\date\relax
11454 \global\let\and\relax
11455 }
11456 \def\@maketitle{%
11457 \newpage
11458 \null
11459 \vskip 2em%
11460 \begin{center}%
11461 \let \footnote \thanks
11462 {\LARGE \@title \par}%
11463 \vskip 1.5em%
11464 {\large
11465 \lineskip .5em%
11466 \begin{tabular}[t]{c}%
11467 \@author
11468 \end{tabular}\par}%
11469 \vskip 1em%
11470 {\large \@date}%

```



```

11471 \end{center}%
11472 \par
11473 \vskip 1.5em}
11474 \fi
11475 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
11476 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11477 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11478 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11479 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11480 \if@titlepage
11481 \renewcommand\maketitle{\begin{titlepage}%
11482 \let\footnotesize\small
11483 \let\right@footnoterule\relax
11484 \let\left@footnoterule\relax
11485 \let\textwidth@footnoterule\relax
11486 \let \footnote \thanks
11487 \let \LTRfootnote \LTRthanks
11488 \let \RTLfootnote \RTLthanks
11489 \null\vfil
11490 \vskip 60\p@
11491 \begin{center}%
11492 {\LARGE \@title \par}%
11493 \vskip 3em%
11494 {\large
11495 \lineskip .75em%
11496 \begin{tabular}[t]{c}%
11497 \@author
11498 \end{tabular}\par}%
11499 \vskip 1.5em%
11500 {\large \@date \par}% % Set date in \large size.
11501 \end{center}\par
11502 \@thanks
11503 \vfil\null
11504 \end{titlepage}%
11505 \setcounter{footnote}{0}%
11506 \global\let\thanks\relax
11507 \global\let\LTRthanks\relax
11508 \global\let\RTLthanks\relax
11509 \global\let\maketitle\relax
11510 \global\let\@thanks\@empty
11511 \global\let\@author\@empty
11512 \global\let\@date\@empty
11513 \global\let\@title\@empty
11514 \global\let\title\relax
11515 \global\let\author\relax
11516 \global\let\date\relax
11517 \global\let\and\relax
11518 }
11519 \else
11520 \renewcommand\maketitle{\par
11521 \begingroup

```



```

11522 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11523 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11524 \long\def\@makefntext##1{\parindent 1em\noindent
11525 \hb@xt@1.8em{%
11526 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11527 \if@twocolumn
11528 \ifnum \col@number=\@ne
11529 \@maketitle
11530 \else
11531 \twocolumn[\@maketitle]%
11532 \fi
11533 \else
11534 \newpage
11535 \global\@topnum\z@ % Prevents figures from going at top of page.
11536 \@maketitle
11537 \fi
11538 \thispagestyle{plain}\@thanks
11539 \endgroup
11540 \setcounter{footnote}{0}%
11541 \global\let\thanks\relax
11542 \global\let\LTRthanks\relax
11543 \global\let\RTLthanks\relax
11544 \global\let\maketitle\relax
11545 \global\let\@maketitle\relax
11546 \global\let\@thanks\@empty
11547 \global\let\@author\@empty
11548 \global\let\@date\@empty
11549 \global\let\@title\@empty
11550 \global\let\title\relax
11551 \global\let\author\relax
11552 \global\let\date\relax
11553 \global\let\and\relax
11554 }
11555 \def\@maketitle{%
11556 \newpage
11557 \null
11558 \vskip 2em%
11559 \begin{center}%
11560 \let \footnote \thanks
11561 \let \LTRfootnote \LTRthanks
11562 \let \RTLfootnote \RTLthanks
11563 {\LARGE \@title \par}%
11564 \vskip 1.5em%
11565 {\large
11566 \lineskip .5em%
11567 \begin{tabular}[t]{c}%
11568 \@author
11569 \end{tabular}\par}%
11570 \vskip 1em%
11571 {\large \@date}%
11572 \end{center}%
11573 \par
11574 \vskip 1.5em}
11575 \fi

```




```

11576 \renewcommand*\l@part[2]{%
11577   \ifnum \c@tocdepth >-2\relax
11578     \addpenalty{-\@highpenalty}%
11579     \addvspace{2.25em \@plus\p@}%
11580     \begingroup
11581       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11582       \parfillskip -\@pnumwidth
11583       {\leavevmode
11584         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11585       \nobreak
11586       \global\@nobreaktrue
11587       \everypar{\global\@nobreakfalse\everypar{}}%
11588     \endgroup
11589   \fi}
11590 \renewcommand\theequation
11591   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11592 \renewcommand \thefigure
11593   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11594 \renewcommand \thetable
11595   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11596 \renewcommand \thechapter {\@arabic\c@chapter}
11597 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11598 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11599 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11600 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11601 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11602 \def\@makechapterhead#1{%
11603   \vspace*{50\p@}%
11604   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11605     \ifnum \c@secnumdepth >\m@ne
11606       \if@mainmatter
11607         \huge\bfseries \@chapapp\space \thechapter
11608         \par\nobreak
11609         \vskip 20\p@
11610       \fi
11611     \fi
11612     \interlinepenalty\@M
11613     \Huge \bfseries #1\par\nobreak
11614     \vskip 40\p@
11615   }}
11616
11617 \def\@makeschapterhead#1{%
11618   \vspace*{50\p@}%
11619   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11620     \normalfont
11621     \interlinepenalty\@M
11622     \Huge \bfseries #1\par\nobreak
11623     \vskip 40\p@
11624   }}
11625 \renewcommand\backmatter{%
11626   \if@openright
11627     \cleardoublepage
11628   \else
11629     \clearpage

```



```

11630 \fi
11631 \@mainmatterfalse}
11632 \renewenvironment{thebibliography}[1]
11633 {\chapter*{\bibname
11634 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11635 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
11636 \bidi@thebibliography@font@hook%
11637 \list{\@biblabel{\@arabic\c@enumiv}}%
11638 {\settowidth\labelwidth{\@biblabel{#1}}%
11639 \leftmargin\labelwidth
11640 \advance\leftmargin\labelsep
11641 \@openbib@code
11642 \usecounter{enumiv}%
11643 \let\p@enumiv\@empty
11644 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11645 \sloppy
11646 \clubpenalty4000
11647 \@clubpenalty \clubpenalty
11648 \widowpenalty4000%
11649 \sfcode`. \@m}
11650 {\def\@noitemerr
11651 {\@latex@warning{Empty `thebibliography' environment}}}%
11652 \endlist}

```

85 File extletter-xetex-bidi.def

```

11653 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
11654 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
11655 \thispagestyle{firstpage}%
11656 {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
11657 \else % home address
11658 \thispagestyle{empty}%
11659 {\ifRTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11660 \fromaddress \*[2\parskip]%
11661 \@date \end{tabular}\par}%
11662 \fi
11663 \vspace{2\parskip}%
11664 {\ifRTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
11665 \vspace{2\parskip}%
11666 #1\par\nobreak}
11667 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11668 \stopbreaks
11669 \noindent
11670 \ifx\@empty\fromaddress\else
11671 \hspace*{\longindentation}\fi
11672 \parbox{\indentedwidth}{\ifRTL\raggedleft\else\raggedright\fi
11673 \ignorespaces #1\ \ [6\medskipamount]}%
11674 \ifx\@empty\fromsig
11675 \fromname
11676 \else \fromsig \fi\strut}%
11677 \par}
11678 \renewcommand\left@footnoterule{%
11679 \kern-\p@
11680 \hrule \@width .4\columnwidth

```



```

11681 \kern .6\p@}
11682 \renewcommand\right@footnoterule{%
11683 \kern-\p@
11684 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11685 \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11686 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2025/01/03 v2.7 bidi extra footnote feat
11687 \newdimen\bidi@columnwidth
11688 \def\bidi@floathook{%
11689 \bidi@columnwidth\columnwidth
11690 }
11691 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11692 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11693 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
11694 \ifHy@hyperfootnotes
11695 \let\@@H@@footnotetext\@footnotetext
11696 \let\@@HLTR@@LTRfootnotetext\@LTRfootnotetext
11697 \let\@@HRTL@@RTLfootnotetext\@RTLfootnotetext
11698 \let\@@H@@mpfootnotetext\@mpfootnotetext
11699 \let\@@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11700 \let\@@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11701 \fi
11702 }%
11703 }%
11704 }
11705 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11706 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
11707 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
11708 \ifHy@hyperfootnotes
11709 \let\H@@footnotetext\@footnotetext
11710 \let\@footnotetext\@@H@@footnotetext
11711 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11712 \let\@LTRfootnotetext\@@HLTR@@LTRfootnotetext
11713 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11714 \let\@RTLfootnotetext\@@HRTL@@RTLfootnotetext
11715 \let\H@@mpfootnotetext\@mpfootnotetext
11716 \let\@mpfootnotetext\@@H@@mpfootnotetext
11717 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11718 \let\@mpLTRfootnotetext\@@HLTR@@mpLTRfootnotetext
11719 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11720 \let\@mpRTLfootnotetext\@@HRTL@@mpRTLfootnotetext
11721 \fi
11722 }%
11723 }%
11724 }
11725 \let\autofootnoterule\relax
11726 \let\rightfootnoterule\relax
11727 \let\leftfootnoterule\relax
11728 \let\textwidthfootnoterule\relax
11729 \let\LRfootnoterule\relax
11730 \def\footnoterule{\kern-3\p@
11731 \hrule \@width \columnwidth \kern 2.6\p@}

```



```

11732 \newcommand{\@preamnormalfmt}{%
11733   \parindent 1em%
11734   \noindent
11735 }
11736 \newcommand{\@normalfootfmt}[1]{%
11737   \@preamnormalfmt
11738   \footfootmark
11739   \rule{z@\footnotesep\ignorespaces}{\foottextfont #1}%
11740   \@finalstrut\strutbox
11741 }
11742 \newcommand{\@normalRTLfootfmt}[1]{%
11743   \@preamnormalfmt
11744   \RTLfootfootmark
11745   \rule{z@\footnotesep\ignorespaces}{\RTLfoottextfont #1}%
11746   \@finalstrut\strutbox
11747 }
11748 \newcommand{\@normalLTRfootfmt}[1]{%
11749   \@preamnormalfmt
11750   \LTRfootfootmark
11751   \rule{z@\footnotesep\ignorespaces}{\LTRfoottextfont #1}%
11752   \@finalstrut\strutbox
11753 }
11754 \renewcommand{\@footnotetext}[1]{%
11755   \insert\footins{%
11756     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11757     \def\baselinestretch{\m@m@footnote@spacing}%
11758     \reset@font
11759     \foottextfont
11760     \@preamfntext
11761     \hsize\columnwidth
11762     \protected@edef\@currentlabel{%
11763       \csname p@footnote\endcsname\@thefnmark}%
11764     \color@begingroup
11765       \@normalfootfmt{#1}%
11766     \color@endgroup}%
11767     \m@mmf@prepare}
11768 \newcommand{\@bidi@bidiold@footnotetext}[1]{%
11769   \bidi@step@absolute@footnote@count
11770   \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11771   \insert\footins{%
11772     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11773     \def\baselinestretch{\m@m@footnote@spacing}%
11774     \reset@font
11775     \foottextfont
11776     \@preamfntext
11777     \hsize\columnwidth
11778     \protected@edef\@currentlabel{%
11779       \csname p@footnote\endcsname\@thefnmark}%
11780     \color@begingroup
11781       \@normalfootfmt{#1}%
11782     \color@endgroup}%
11783     \m@mmf@prepare
11784 }
11785 \renewcommand{\@RTLfootnotetext}[1]{%

```



```

11786 \insert\footins{%
11787 \RTLtrue%
11788 \def\baselinestretch{\m@m@footnote@spacing}%
11789 \reset@font
11790 \RTLfoottextfont
11791 \@preamfntext
11792 \hsize\columnwidth
11793 \protected@edef\@currentlabel{%
11794 \csname p@footnote\endcsname\@thefnmark}%
11795 \color@begingroup
11796 \@normalRTLfootfmt{#1}%
11797 \color@endgroup}%
11798 \m@mmf@prepare}
11799 \newcommand{\bidi@bidiold@RTLfootnotetext}[1]{%
11800 \bidi@step@absolute@footnote@count
11801 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11802 \insert\footins{%
11803 \RTLtrue%
11804 \def\baselinestretch{\m@m@footnote@spacing}%
11805 \reset@font
11806 \RTLfoottextfont
11807 \@preamfntext
11808 \hsize\columnwidth
11809 \protected@edef\@currentlabel{%
11810 \csname p@footnote\endcsname\@thefnmark}%
11811 \color@begingroup
11812 \@normalRTLfootfmt{#1}%
11813 \color@endgroup}%
11814 \m@mmf@prepare
11815 }
11816 \renewcommand{\@LTRfootnotetext}[1]{%
11817 \insert\footins{%
11818 \RTLfalse%
11819 \def\baselinestretch{\m@m@footnote@spacing}%
11820 \reset@font
11821 \LTRfoottextfont
11822 \@preamfntext
11823 \hsize\columnwidth
11824 \protected@edef\@currentlabel{%
11825 \csname p@footnote\endcsname\@thefnmark}%
11826 \color@begingroup
11827 \@normalLTRfootfmt{#1}%
11828 \color@endgroup}%
11829 \m@mmf@prepare}
11830 \renewcommand{\@mpfootnotetext}[1]{%
11831 \global\setbox\@mpfootins\vbox{%
11832 \unvbox\@mpfootins
11833 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11834 \def\baselinestretch{\m@m@footnote@spacing}%
11835 \reset@font%
11836 \foottextfont \hsize\columnwidth \@parboxrestore
11837 \protected@edef\@currentlabel{%
11838 \csname p@mpfootnote\endcsname\@thefnmark}%
11839 \color@begingroup

```



```

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

```



```

11894 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11895 \let\m@mold@mpfootnotetext\@mpfootnotetext
11896 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11897 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11898 \bidi@ensure@newcommand{\normalfootnotes}{%
11899   \@bidi@before@Hy@hyperfootnotes
11900   \let\@footnotetext\m@mold@footnotetext
11901   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11902   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11903   \let\@mpfootnotetext\m@mold@mpfootnotetext
11904   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11905   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11906   \@bidi@after@Hy@hyperfootnotes
11907   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11908 }
11909 \IfClassLoadedT{memoir}{\let\plainfootnotes\normalfootnotes}
11910 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
11911   \def\m@m@singlespace{#1}%
11912   \def\m@m@footnote@spacing{#1}%
11913   \def\m@m@float@spacing{#1} %
11914 }
11915 \setSingleSpace{1}
11916 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
11917 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
11918   \kern-\multiplefootnotemarker
11919   \kern\multiplefootnotemarker\relax}
11920 \bidi@ensure@newlength{\footmarkwidth}
11921 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
11922 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11923 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11924 \bidi@ensure@newcommand{\footfootmark}{%
11925   \ifdim\footmarkwidth < \z@
11926     \llap{\hb@xt@ -\footmarkwidth{%
11927       \hss\normalfont\footscript{\@thefnmark}}}%
11928     \hspace*{-\footmarkwidth}}%
11929   \else
11930     \ifdim\footmarkwidth = \z@
11931       {\normalfont\footscript{\@thefnmark}}%
11932     \else
11933       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11934     \fi
11935   \fi}
11936 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11937   \ifdim\footmarkwidth < \z@
11938     \llap{\hb@xt@ -\footmarkwidth{%
11939       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
11940     \hspace*{-\footmarkwidth}}%
11941   \else
11942     \ifdim\footmarkwidth = \z@
11943       {\normalfont\LTRfootscript{\@thefnmark}}%
11944     \else
11945       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11946     \fi
11947   \fi}

```



```

11948 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11949   \ifdim\footmarkwidth < \z@
11950     \llap{\hb@xt@ -\footmarkwidth{%
11951       \hss\normalfont\RTLfootscript{\@thefnmark}}%
11952       \hspace*{-\footmarkwidth}}%
11953   \else
11954     \ifdim\footmarkwidth = \z@
11955       {\normalfont\RTLfootscript{\@thefnmark}}%
11956     \else
11957       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11958     \fi
11959   \fi}
11960 \footmarkstyle{\textsuperscript{#1}}
11961 \LTRfootmarkstyle{\textsuperscript{#1}}
11962 \RTLfootmarkstyle{\textsuperscript{#1}}
11963 \newcommand*{\bidi@normal@footmarkwidth}{%
11964   \setlength{\footmarkwidth}{1em plus.3em minus.3em}%
11965 }
11966 \newcommand*{\bidi@star@footmarkwidth}{%
11967   \setlength{\footmarkwidth}{0em plus.3em minus.3em}%
11968 }
11969 \bidi@normal@footmarkwidth
11970 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
11971 \bidi@ensure@newcommand*{\extrafeetins}{%
11972   \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
11973   \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11974   \bidi@joinfootnotes\@bidi@copyins@{\unvbox\@bidi@copyins@}%
11975   \extrafeetinshook}
11976 \bidi@ensure@newcommand{\extrafeetinshook}{%
11977   \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11978   \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11979   \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11980 \bidi@ensure@newlength{\footinsdim}
11981   \setlength{\footinsdim}{8in} % standard for \dimen\footins
11982 \bidi@ensure@newcommand{\@preamfntext}{%
11983   \interlinepenalty\interfootnotelinepenalty
11984   \floatingpenalty \@MM
11985   \splittopskip=\footnotesep
11986   \splitmaxdepth=\dp\strutbox
11987   \@parboxrestore}
11988 \def\bidi@ifmulticol#1#2{\@tempswafalse
11989   \ifnum\col@number>\@ne
11990     \ifnum\count\footins>1999 \@tempwattrue \fi
11991   \fi
11992   \if@tempswa #1\else #2\fi
11993 }
11994 \def\bidi@joinfootnotes#1#2#3{%
11995   \ifvoid#1
11996     \else
11997       \@tempskipa\skip#1%
11998       \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
11999       \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12000       \bidi@removexfootskip
12001     \ifvoid\footins

```




```

12002     \global\setbox\footins\vbox{#2#3}%
12003     \else
12004     \global\setbox\footins\vbox{%
12005         \unvbox\footins
12006         \bidi@footskip
12007         #2#3%
12008     }%
12009     \fi
12010 \fi
12011 }
12012 \def\bidi@reinsertfootnote#1#2#3{%
12013     \ifvoid#1%
12014     \else
12015     \insert\footins{#2#3}%
12016     \fi
12017 }
12018 \def\bidi@joinmpfootnotes#1#2#3{%
12019     \ifvoid#1
12020     \else
12021     \@tempskipa\skip#1%
12022     \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12023     \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
12024     \bidi@removexfootskip
12025     \ifvoid\@mpfootins
12026     \global\setbox\@mpfootins\vbox{#2#3}%
12027     \else
12028     \global\setbox\@mpfootins\vbox{%
12029         \unvbox\@mpfootins
12030         \bidi@footskip
12031         #2#3%
12032     }%
12033     \fi
12034 \fi
12035 }
12036 \newcount\bidi@absolutepage@count
12037 \bidi@absolutepage@count\@ne
12038 \newcount\bidi@absolutefootnote@count
12039 \bidi@AfterOutputBoxOutputPage{%
12040     \if@filesw
12041     \edef\@tempa{%
12042         \write\@auxout{%
12043             \string\bidi@finalfootnoteperpage%
12044             {\noexpand\number\noexpand\bidi@absolutepage@count}%
12045             {\noexpand\number\noexpand\bidi@absolutefootnote@count}%
12046         }%
12047     }%
12048     \@tempa
12049     \fi
12050 }
12051 \bidi@AtEndOutputPage{%
12052     \global\advance\bidi@absolutepage@count\@ne
12053 }
12054 \newcommand*{\bidi@finalfootnoteperpage}[2]{%
12055     \expandafter\gdef\csname bidi@currentpagefinalfootnote@@#1\endcsname{#2}%

```



```

12056 }
12057 \newif\if@bidi@finalfootnoteperpage
12058 \newcommand{\bidi@ifafterfinalfootnoteperpage}[2]{%
12059   \if@bidi@csundef\bidi@currentpagefinalfootnote@@\number\bidi@absolute@count}{%
12060   \global\@bidi@finalfootnoteperpagetrue
12061 }{%
12062   \global\@bidi@finalfootnoteperpagefalse
12063   \ifnum\bidi@absolute@count=\bidi@csuse\bidi@currentpagefinalfootnote@@\number\bidi@absolute@count
12064     #1%
12065   \else
12066     #2%
12067   \fi
12068 }%
12069 }
12070 \newcommand{\bidi@reinsertfinalfootnoteperpage}[3]{%
12071   \bidi@ifafterfinalfootnoteperpage{%
12072     \bidi@reinsertfootnote{#1}{#2}{#3}%
12073   }{%
12074   }%
12075 }
12076 \newcommand*{\bidi@step@absolute@count}{%
12077   \global\advance\bidi@absolute@count\@ne
12078 }
12079 \bidi@AfterEndDocumentCheckLabelsRerun{%
12080   \if@bidi@finalfootnoteperpage
12081     \PackageWarningNoLine{bidi}{%
12082       The absolute final footnote is not
12083       known on every page of your
12084       document. Rerun TeX to get the
12085       absolute final footnote on every page
12086       of your document%
12087     }%
12088   \fi
12089 }
12090 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
12091   \extrafeetminihook}
12092 \bidi@ensure@newcommand{\extrafeetendmini}{%
12093   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12094   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12095   \extrafeetendminihook}
12096 \bidi@ensure@newcommand{\extrafeetendminihook}{%
12097   \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
12098 \def\endminipage{%
12099   \par
12100   \unskip
12101   \m@mdoextrafeetendmini
12102   \ifvoid\@mpfootins
12103     \else
12104       \vskip\skip\@mpfootins
12105       \normalcolor
12106       \footnoterule
12107       \unvbox\@mpfootins
12108   \fi
12109   \@minipagefalse

```



```

12110 \color@endgroup
12111 \egroup
12112 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
12113 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12114 \@namedef{\footstart#1}{%
12115 \leftskip=\z@
12116 \rightskip=\z@
12117 \parindent=\z@
12118 }%
12119 }
12120 \newinsert\footinsv@r
12121 \skip\footinsv@r\skip\footins
12122 \count\footinsv@r=1000 % no magnification
12123 \dimen\footinsv@r=\footinsdim
12124 \m@make@footstart{v@r}
12125 \newinsert\footinsv@l
12126 \skip\footinsv@l\skip\footins
12127 \count\footinsv@l=1000 % no magnification
12128 \dimen\footinsv@l=\footinsdim
12129 \m@make@footstart{v@l}
12130 \bidi@ensure@newcommand{\@footgroupv@r}{%
12131 \newinsert\@mpfootinsv@r
12132 \skip\@mpfootinsv@r\skip\@mpfootins
12133 \newinsert\@mpfootinsv@l
12134 \skip\@mpfootinsv@l\skip\@mpfootins
12135 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
12136 \newcount\m@m@k \newdimen\m@m@h
12137 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12138 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12139 \valign{##\vfill\cr\m@m@dosplits}\endR}}
12140 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12141 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12142 \valign{##\vfill\cr\m@m@dosplits}\endL}}
12143 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
12144 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
12145 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
12146 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12147 \setbox2 \vsplit0 to \dimen0
12148 \unvbox2 }
12149 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12150 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
12151 \@namedef{\foottextfontv@l}{\LTRfoottextfont}%
12152 \@bidi@before@Hy@hyperfootnotes
12153 \let\@footnotetext\@twocolfootnotetext
12154 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12155 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12156 \dimen\footinsv@r=2\footinsdim
12157 \count\footinsv@r=500\relax
12158 \m@make@twocol@footgroup{v@r}%
12159 \let\@footgroupv@r\@twocol@footgroupv@r
12160 \dimen\footinsv@l=2\footinsdim
12161 \count\footinsv@l=500\relax
12162 \bidi@make@twocol@LTRfootgroup{v@l}%
12163 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l

```



```

12164 \let\@mpfootnotetext\@mptwocolfootnotetext
12165 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12166 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12167 \@bidi@after@Hy@hyperfootnotes
12168 \m@make@mptwocol@footgroup{v@r}%
12169 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12170 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12171 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12172 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12173 }
12174 \newcommand{\TwoColumnFootnotes}{%
12175 \@namedef{foottextfontv@r}{\foottextfont}%
12176 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12177 \@bidi@before@Hy@hyperfootnotes
12178 \let\@footnotetext\@TwoColfootnotetext
12179 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12180 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12181 \dimen\footinsv@r=2\footinsdim
12182 \count\footinsv@r=500\relax
12183 \m@make@twocol@footgroup{v@r}%
12184 \let\@footgroupv@r\@twocol@footgroupv@r
12185 \dimen\footinsv@l=2\footinsdim
12186 \count\footinsv@l=500\relax
12187 \bidi@make@twocol@LTRfootgroup{v@l}%
12188 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12189 \let\@mpfootnotetext\@mpTwoColfootnotetext
12190 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12191 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12192 \@bidi@after@Hy@hyperfootnotes
12193 \m@make@mptwocol@footgroup{v@r}%
12194 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12195 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12196 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12197 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12198 }
12199 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert
12200 \if@RTL@footnote
12201 \footinsv@r
12202 \else
12203 \footinsv@l
12204 \fi
12205 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12206 \def\baselinestretch{\m@mm@footnote@spacing}%
12207 \reset@font\foottextfont
12208 \@preamfntext
12209 \protected@edef\@currentlabel{%
12210 \csname p@footnote\endcsname\@thefnmark}%
12211 \color@begingroup
12212 \@twocolfootfmt{#1}%
12213 \color@endgroup}%
12214 \m@mmf@prepare}
12215 \newcommand{\@TwoColfootnotetext}[1]{%
12216 \bidi@step@absolutefootnote@count
12217 \if@RTL@footnote

```



```

12218 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12219 \else
12220 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12221 \fi
12222 \global\setbox
12223 \if@RTL@footnote
12224 \footinsv@r
12225 \else
12226 \footinsv@l
12227 \fi
12228 \vbox{%
12229 \unvbox
12230 \if@RTL@footnote
12231 \footinsv@r
12232 \else
12233 \footinsv@l
12234 \fi
12235 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12236 \def\baselinestretch{\m@m@footnote@spacing}%
12237 \reset@font\foottextfont
12238 \@preamfntext
12239 \protected@edef\@currentlabel{%
12240 \csname p@footnote\endcsname\@thefnmark}%
12241 \color@begingroup
12242 \@twocolfootfmt{#1}%
12243 \color@endgroup}%
12244 \m@mmf@prepare
12245 \if@RTL@footnote
12246 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12247 \else
12248 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12249 \fi
12250 }
12251 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12252 \def\baselinestretch{\m@m@footnote@spacing}%
12253 \reset@font\LTRfoottextfont
12254 \@preamfntext
12255 \protected@edef\@currentlabel{%
12256 \csname p@footnote\endcsname\@thefnmark}%
12257 \color@begingroup
12258 \@twocolLTRfootfmt{#1}%
12259 \color@endgroup}%
12260 \m@mmf@prepare}
12261 \newcommand{\@TwoColLTRfootnotetext}[1]{%
12262 \bidi@step@absolute@footnote@count
12263 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12264 \global\setbox\footinsv@l\vbox{%
12265 \unvbox\footinsv@l
12266 \@RTLfalse
12267 \def\baselinestretch{\m@m@footnote@spacing}%
12268 \reset@font\LTRfoottextfont
12269 \@preamfntext
12270 \protected@edef\@currentlabel{%
12271 \csname p@footnote\endcsname\@thefnmark}%

```



```

12272 \color@begingroup
12273 \@twocolLTRfootfmt{#1}%
12274 \color@endgroup}%
12275 \m@mmf@prepare
12276 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12277 }
12278 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12279 \def\baselinestretch{\m@m@footnote@spacing}%
12280 \reset@font\RTLfoottextfont
12281 \@preamftext
12282 \protected@edef\@currentlabel{%
12283 \csname p@footnote\endcsname\@thefnmark}%
12284 \color@begingroup
12285 \@twocolRTLfootfmt{#1}%
12286 \color@endgroup}%
12287 \m@mmf@prepare}
12288 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12289 \bidi@step@absolutefootnote@count
12290 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12291 \global\setbox\footinsv@r\vbox{%
12292 \unvbox\footinsv@r
12293 \@RTLtrue
12294 \def\baselinestretch{\m@m@footnote@spacing}%
12295 \reset@font\RTLfoottextfont
12296 \@preamftext
12297 \protected@edef\@currentlabel{%
12298 \csname p@footnote\endcsname\@thefnmark}%
12299 \color@begingroup
12300 \@twocolRTLfootfmt{#1}%
12301 \color@endgroup}%
12302 \m@mmf@prepare
12303 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12304 }
12305 \bidi@ensure@newcommand{\@preamtwofmt}{%
12306 \hspace{.45\hsize}
12307 \parindent=\z@
12308 \tolerance=5000\relax
12309 \leavevmode}
12310 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12311 \@preamtwofmt
12312 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12313 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12314 \@preamtwofmt
12315 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12316 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12317 \@preamtwofmt
12318 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12319 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12320 \global\setbox
12321 \if@RTL@footnote
12322 \@mpfootinsv@r
12323 \else
12324 \@mpfootinsv@l
12325 \fi

```



```

12326 \vbox{%
12327   \unvbox
12328   \if@RTL@footnote
12329   \@mpfootinsv@r
12330 \else
12331   \@mpfootinsv@l
12332 \fi
12333 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12334 \def\baselinestretch{\m@m@footnote@spacing}%
12335 \reset@font\foottextfont
12336 \hsize\columnwidth \@parboxrestore
12337 \protected@edef\@currentlabel{%
12338   \csname p@mpfootnote\endcsname\@thefnmark}%
12339 \color@begingroup
12340   \@twocolfootfmt{#1}%
12341 \color@endgroup}%
12342 \m@m@mmf@prepare}
12343 \newcommand{\@mpTwoColfootnotetext}[1]{%
12344   \if@RTL@footnote
12345   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12346 \else
12347   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12348 \fi
12349 \global\setbox
12350   \if@RTL@footnote
12351   \@mpfootinsv@r
12352 \else
12353   \@mpfootinsv@l
12354 \fi
12355 \vbox{%
12356   \unvbox
12357   \if@RTL@footnote
12358   \@mpfootinsv@r
12359 \else
12360   \@mpfootinsv@l
12361 \fi
12362 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12363 \def\baselinestretch{\m@m@footnote@spacing}%
12364 \reset@font\foottextfont
12365 \hsize\columnwidth \@parboxrestore
12366 \protected@edef\@currentlabel{%
12367   \csname p@mpfootnote\endcsname\@thefnmark}%
12368 \color@begingroup
12369   \@twocolfootfmt{#1}%
12370 \color@endgroup}%
12371 \m@m@mmf@prepare}
12372 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12373 \global\setbox\@mpfootinsv@l\vbox{%
12374   \unvbox\@mpfootinsv@l
12375   \@RTLfalse
12376   \def\baselinestretch{\m@m@footnote@spacing}%
12377   \reset@font\LTRfoottextfont
12378   \hsize\columnwidth \@parboxrestore
12379   \protected@edef\@currentlabel{%

```



```

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

```




```

12434 \def\baselinestretch{\m@m@footnote@spacing}%
12435 \hsize\bidicolumnwidth
12436 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12437 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12438 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12439 \@namedef{@mptwocol@footgroup#1}{%
12440 \def\baselinestretch{\m@m@footnote@spacing}%
12441 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12442 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12443 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12444 \@namedef{@mptwocol@LTRfootgroup#1}{%
12445 \def\baselinestretch{\m@m@footnote@spacing}%
12446 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12447 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
12448 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12449 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12450 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12451 \@bidi@before@Hy@hyperfootnotes
12452 \let\@footnotetext\@threecolfootnotetext
12453 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12454 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12455 \dimen\footinsv@r=3\footinsdim
12456 \count\footinsv@r=333\relax
12457 \m@make@threecol@footgroup{v@r}%
12458 \let\@footgroupv@r\@threecol@footgroupv@r
12459 \dimen\footinsv@l=3\footinsdim
12460 \count\footinsv@l=333\relax
12461 \bidi@make@threecol@LTRfootgroup{v@l}%
12462 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12463 \let\@mpfootnotetext\@mpthreecolfootnotetext
12464 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12465 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12466 \@bidi@after@Hy@hyperfootnotes
12467 \m@make@mpthreecol@footgroup{v@r}%
12468 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12469 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12470 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12471 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12472 }
12473 \newcommand{\ThreeColumnFootnotes}{%
12474 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12475 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12476 \@bidi@before@Hy@hyperfootnotes
12477 \let\@footnotetext\@ThreeColfootnotetext
12478 \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12479 \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12480 \dimen\footinsv@r=3\footinsdim
12481 \count\footinsv@r=333\relax
12482 \m@make@threecol@footgroup{v@r}%
12483 \let\@footgroupv@r\@threecol@footgroupv@r
12484 \dimen\footinsv@l=3\footinsdim
12485 \count\footinsv@l=333\relax
12486 \bidi@make@threecol@LTRfootgroup{v@l}%
12487 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l

```



```

12488 \let\@mpfootnotetext\@mpThreeColfootnotetext
12489 \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12490 \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12491 \@bidi@after@Hy@hyperfootnotes
12492 \m@make@mpthreecol@footgroup{v@r}%
12493 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12494 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12495 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12496 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12497 }
12498 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12499 \ifRTL@footnote
12500 \footinsv@r
12501 \else
12502 \footinsv@l
12503 \fi
12504 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12505 \def\baselinestretch{\m@footnote@spacing}%
12506 \reset@font\foottextfont
12507 \@preamfntext
12508 \protected@edef\@currentlabel{%
12509 \csname p@footnote\endcsname\@thefnmark}%
12510 \color@begingroup
12511 \@threecolfootfmt{#1}%
12512 \color@endgroup}\m@mmf@prepare}
12513 \newcommand{\@ThreeColfootnotetext}[1]{%
12514 \bidi@step@absolute@footnote@count
12515 \ifRTL@footnote
12516 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12517 \else
12518 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12519 \fi
12520 \global\setbox
12521 \ifRTL@footnote
12522 \footinsv@r
12523 \else
12524 \footinsv@l
12525 \fi
12526 \vbox{%
12527 \unvbox
12528 \ifRTL@footnote
12529 \footinsv@r
12530 \else
12531 \footinsv@l
12532 \fi
12533 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
12534 \def\baselinestretch{\m@footnote@spacing}%
12535 \reset@font\foottextfont
12536 \@preamfntext
12537 \protected@edef\@currentlabel{%
12538 \csname p@footnote\endcsname\@thefnmark}%
12539 \color@begingroup
12540 \@threecolfootfmt{#1}%
12541 \color@endgroup}\m@mmf@prepare

```



```

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

```



```

12596 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12597 }
12598 \bidi@ensure@newcommand{\@preamthreefmt}{%
12599 \hspace{.3\hspace}
12600 \parindent=\z@
12601 \tolerance=5000\relax
12602 \leavevmode}
12603 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12604 \@preamthreefmt
12605 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12606 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12607 \@preamthreefmt
12608 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12609 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12610 \@preamthreefmt
12611 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12612 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12613 \global\setbox
12614 \if@RTL@footnote
12615 \@mpfootinsv@r
12616 \else
12617 \@mpfootinsv@l
12618 \fi
12619 \vbox{%
12620 \unvbox
12621 \if@RTL@footnote
12622 \@mpfootinsv@r
12623 \else
12624 \@mpfootinsv@l
12625 \fi
12626 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12627 \def\baselinestretch{\m@mm@footnote@spacing}%
12628 \reset@font\foottextfont
12629 \hspace\columnwidth \@parboxrestore
12630 \protected@edef\@currentlabel{%
12631 \csname p@mpfootnote\endcsname\@thefnmark}%
12632 \color@begingroup
12633 \@threecolfootfmt{#1}%
12634 \color@endgroup}\m@mmf@prepare}
12635 \newcommand{\@mpThreeColfootnotetext}[1]{%
12636 \if@RTL@footnote
12637 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12638 \else
12639 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12640 \fi
12641 \global\setbox
12642 \if@RTL@footnote
12643 \@mpfootinsv@r
12644 \else
12645 \@mpfootinsv@l
12646 \fi
12647 \vbox{%
12648 \unvbox
12649 \if@RTL@footnote

```



```

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

```



```

12704 \RTLtrue
12705 \def\baselinestretch{\m@m@footnote@spacing}%
12706 \reset@font\RTLfoottextfont
12707 \hsize\columnwidth \@parboxrestore
12708 \protected@edef\@currentlabel{%
12709 \csname p@mpfootnote\endcsname\@thefnmark}%
12710 \color@begingroup
12711 \threecolRTLfootfmt{#1}%
12712 \color@endgroup}\m@mmf@prepare}
12713 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12714 \@namedef{\threecol@footgroup#1}{%
12715 \def\baselinestretch{\m@m@footnote@spacing}%
12716 \hsize\bidi@columnwidth
12717 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12718 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12719 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12720 \@namedef{\threecol@LTRfootgroup#1}{%
12721 \def\baselinestretch{\m@m@footnote@spacing}%
12722 \hsize\bidi@columnwidth
12723 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12724 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
12725 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12726 \@namedef{\mpthreecol@footgroup#1}{%
12727 \def\baselinestretch{\m@m@footnote@spacing}%
12728 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12729 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12730 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12731 \@namedef{\mpthreecol@LTRfootgroup#1}{%
12732 \def\baselinestretch{\m@m@footnote@spacing}%
12733 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12734 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
12735 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12736 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12737 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12738 \@bidi@before@Hy@hyperfootnotes
12739 \let\@footnotetext\@fourcolfootnotetext
12740 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12741 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12742 \dimen\footinsv@r=4\footinsdim
12743 \count\footinsv@r=250\relax
12744 \m@make@fourcol@footgroup{v@r}%
12745 \let\@footgroupv@r\@fourcol@footgroupv@r
12746 \dimen\footinsv@l=4\footinsdim
12747 \count\footinsv@l=250\relax
12748 \bidi@make@fourcol@LTRfootgroup{v@l}%
12749 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12750 \let\@mpfootnotetext\@mpfourcolfootnotetext
12751 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12752 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12753 \@bidi@after@Hy@hyperfootnotes
12754 \m@make@mpfourcol@footgroup{v@r}%
12755 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12756 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12757 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l

```



```

12758 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
12759 }
12760 \newcommand{\FourColumnFootnotes}{%
12761 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12762 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12763 \@bidi@before@Hy@hyperfootnotes
12764 \let\@footnotetext\@FourColfootnotetext
12765 \let\@LTRfootnotetext\@FourColLTRfootnotetext
12766 \let\@RTLfootnotetext\@FourColRTLfootnotetext
12767 \dimen\footinsv@r=4\footinsdim
12768 \count\footinsv@r=250\relax
12769 \m@make@fourcol@footgroup{v@r}%
12770 \let\@footgroupv@r\@fourcol@footgroupv@r
12771 \dimen\footinsv@l=4\footinsdim
12772 \count\footinsv@l=250\relax
12773 \bidi@make@fourcol@LTRfootgroup{v@l}%
12774 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12775 \let\@mpfootnotetext\@mpFourColfootnotetext
12776 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12777 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12778 \@bidi@after@Hy@hyperfootnotes
12779 \m@make@mpfourcol@footgroup{v@r}%
12780 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12781 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12782 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12783 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
12784 }
12785 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12786 \if@RTL@footnote
12787 \footinsv@r
12788 \else
12789 \footinsv@l
12790 \fi
12791 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12792 \def\baselinestretch{\m@footnote@spacing}%
12793 \reset@font\foottextfont
12794 \@preamfntext
12795 \protected@edef\@currentlabel{%
12796 \csname p@footnote\endcsname\@thefnmark}%
12797 \color@begingroup
12798 \@fourcolfootfmt{#1}%
12799 \color@endgroup}%
12800 \m@mmf@prepare}
12801 \newcommand{\@FourColfootnotetext}[1]{%
12802 \bidi@step@absolute@footnote@count
12803 \if@RTL@footnote
12804 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12805 \else
12806 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12807 \fi
12808 \global\setbox
12809 \if@RTL@footnote
12810 \footinsv@r
12811 \else

```



```

12812 \footinsv@l
12813 \fi
12814 \vbox{%
12815 \unvbox
12816 \if@RTL@footnote
12817 \footinsv@r
12818 \else
12819 \footinsv@l
12820 \fi
12821 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12822 \def\baselinestretch{\m@m@footnote@spacing}%
12823 \reset@font\foottextfont
12824 \@preamfntext
12825 \protected@edef\@currentlabel{%
12826 \csname p@footnote\endcsname\@thefnmark}%
12827 \color@begingroup
12828 \@fourcolfootfmt{#1}%
12829 \color@endgroup}%
12830 \m@m@mmf@prepare
12831 \if@RTL@footnote
12832 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12833 \else
12834 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12835 \fi
12836 }
12837 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12838 \def\baselinestretch{\m@m@footnote@spacing}%
12839 \reset@font\LTRfoottextfont
12840 \@preamfntext
12841 \protected@edef\@currentlabel{%
12842 \csname p@footnote\endcsname\@thefnmark}%
12843 \color@begingroup
12844 \@fourcolLTRfootfmt{#1}%
12845 \color@endgroup}%
12846 \m@m@mmf@prepare}
12847 \newcommand{\@FourColLTRfootnotetext}[1]{%
12848 \bidi@step@absolutefootnote@count
12849 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12850 \global\setbox\footinsv@l\vbox{%
12851 \unvbox\footinsv@l
12852 \@RTLfalse%
12853 \def\baselinestretch{\m@m@footnote@spacing}%
12854 \reset@font\LTRfoottextfont
12855 \@preamfntext
12856 \protected@edef\@currentlabel{%
12857 \csname p@footnote\endcsname\@thefnmark}%
12858 \color@begingroup
12859 \@fourcolLTRfootfmt{#1}%
12860 \color@endgroup}%
12861 \m@m@mmf@prepare
12862 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12863 }
12864 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12865 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

12866 \reset@font\RTLfoottextfont
12867 \@preamfntext
12868 \protected@edef\@currentlabel{%
12869   \csname p@footnote\endcsname\@thefnmark}%
12870 \color@begingroup
12871   \@fourcolRTLfootfmt{#1}%
12872 \color@endgroup}%
12873 \m@mmf@prepare}
12874 \newcommand{\@FourColRTLfootnotetext}[1]{%
12875   \bidi@step@absolutefootnote@count
12876   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12877   \global\setbox\footinsv@r\vbox{%
12878     \unvbox\footinsv@r
12879     \@RTLtrue
12880     \def\baselinestretch{\m@m@footnote@spacing}%
12881     \reset@font\RTLfoottextfont
12882     \@preamfntext
12883     \protected@edef\@currentlabel{%
12884       \csname p@footnote\endcsname\@thefnmark}%
12885     \color@begingroup
12886       \@fourcolRTLfootfmt{#1}%
12887     \color@endgroup}%
12888     \m@mmf@prepare
12889     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12890   }
12891   \bidi@ensure@newcommand{\@preamfourfmt}{%
12892     \hspace{.25\hspace}
12893     \parindent=\z@
12894     \tolerance=5000\relax
12895     \leavevmode}
12896   \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12897     \@preamfourfmt
12898     {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12899   \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12900     \@preamfourfmt
12901     {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12902   \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12903     \@preamfourfmt
12904     {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12905   \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12906     \global\setbox
12907       \if@RTL@footnote
12908       \@mpfootinsv@r
12909     \else
12910       \@mpfootinsv@l
12911     \fi
12912     \vbox{%
12913       \unvbox
12914       \if@RTL@footnote
12915       \@mpfootinsv@r
12916     \else
12917       \@mpfootinsv@l
12918     \fi
12919     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi

```



```

12920 \def\baselinestretch{\m@m@footnote@spacing}%
12921 \reset@font\foottextfont
12922 \hsize\columnwidth \@parboxrestore
12923 \protected@edef\@currentlabel{%
12924 \csname p@mpfootnote\endcsname\@thefnmark}%
12925 \color@begingroup
12926 \@fourcolfootfmt{#1}%
12927 \color@endgroup}%
12928 \m@mmf@prepare}
12929 \newcommand{\@mpFourColfootnotetext}[1]{%
12930 \if@RTL@footnote
12931 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12932 \else
12933 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12934 \fi
12935 \global\setbox
12936 \if@RTL@footnote
12937 \@mpfootinsv@r
12938 \else
12939 \@mpfootinsv@l
12940 \fi
12941 \vbox{%
12942 \unvbox
12943 \if@RTL@footnote
12944 \@mpfootinsv@r
12945 \else
12946 \@mpfootinsv@l
12947 \fi
12948 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12949 \def\baselinestretch{\m@m@footnote@spacing}%
12950 \reset@font\foottextfont
12951 \hsize\columnwidth \@parboxrestore
12952 \protected@edef\@currentlabel{%
12953 \csname p@mpfootnote\endcsname\@thefnmark}%
12954 \color@begingroup
12955 \@fourcolfootfmt{#1}%
12956 \color@endgroup}%
12957 \m@mmf@prepare}
12958 \bidi@ensure@newcommand{\@mpfourcollTRfootnotetext}[1]{%
12959 \global\setbox\@mpfootinsv@l\vbox{%
12960 \unvbox\@mpfootinsv@l
12961 \@RTLfalse
12962 \def\baselinestretch{\m@m@footnote@spacing}%
12963 \reset@font\LTRfoottextfont
12964 \hsize\columnwidth \@parboxrestore
12965 \protected@edef\@currentlabel{%
12966 \csname p@mpfootnote\endcsname\@thefnmark}%
12967 \color@begingroup
12968 \@fourcollTRfootfmt{#1}%
12969 \color@endgroup}%
12970 \m@mmf@prepare}
12971 \newcommand{\@mpFourCollTRfootnotetext}[1]{%
12972 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12973 \global\setbox\@mpfootinsv@l\vbox{%

```



```

12974 \unvbox\@mpfootinsv@l
12975 \@RTLfalse
12976 \def\baselinestretch{\m@m@footnote@spacing}%
12977 \reset@font\LTRfoottextfont
12978 \hsize\columnwidth \@parboxrestore
12979 \protected@edef\@currentlabel{%
12980 \csname p@mpfootnote\endcsname\@thefnmark}%
12981 \color@begingroup
12982 \@fourcolLTRfootfmt{#1}%
12983 \color@endgroup}%
12984 \m@mmf@prepare}
12985 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
12986 \global\setbox\@mpfootinsv@r\vbox{%
12987 \unvbox\@mpfootinsv@r
12988 \@RTLtrue
12989 \def\baselinestretch{\m@m@footnote@spacing}%
12990 \reset@font\RTLfoottextfont
12991 \hsize\columnwidth \@parboxrestore
12992 \protected@edef\@currentlabel{%
12993 \csname p@mpfootnote\endcsname\@thefnmark}%
12994 \color@begingroup
12995 \@fourcolRTLfootfmt{#1}%
12996 \color@endgroup}%
12997 \m@mmf@prepare}
12998 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
12999 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13000 \global\setbox\@mpfootinsv@r\vbox{%
13001 \unvbox\@mpfootinsv@r
13002 \@RTLtrue
13003 \def\baselinestretch{\m@m@footnote@spacing}%
13004 \reset@font\RTLfoottextfont
13005 \hsize\columnwidth \@parboxrestore
13006 \protected@edef\@currentlabel{%
13007 \csname p@mpfootnote\endcsname\@thefnmark}%
13008 \color@begingroup
13009 \@fourcolRTLfootfmt{#1}%
13010 \color@endgroup}%
13011 \m@mmf@prepare}
13012 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
13013 \@namedef{\@fourcol@footgroup#1}{%
13014 \def\baselinestretch{\m@m@footnote@spacing}%
13015 \hsize\bidi@columnwidth
13016 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13017 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
13018 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
13019 \@namedef{\@fourcol@LTRfootgroup#1}{%
13020 \def\baselinestretch{\m@m@footnote@spacing}%
13021 \hsize\bidi@columnwidth
13022 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13023 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
13024 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
13025 \@namedef{\@mpfourcol@footgroup#1}{%
13026 \def\baselinestretch{\m@m@footnote@spacing}%
13027 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

13028 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}
13029 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
13030 \@namedef{\@mpfourcol@LTRfootgroup#1}{%
13031 \def\baselinestretch{\m@mf@footnote@spacing}%
13032 \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
13033 \bidi@LTRrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}
13034 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
13035 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
13036 \@namedef{\foottextfontv@l}{\LTRfoottextfont}%
13037 \@bidi@before@Hy@hyperfootnotes
13038 \let\@footnotetext\@fivecolfootnotetext
13039 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
13040 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
13041 \dimen\footinsv@r=5\footinsdim
13042 \count\footinsv@r=200\relax
13043 \m@make@fivecol@footgroup{v@r}%
13044 \let\@footgroupv@r\@fivecol@footgroupv@r
13045 \dimen\footinsv@l=5\footinsdim
13046 \count\footinsv@l=200\relax
13047 \bidi@make@fivecol@LTRfootgroup{v@l}%
13048 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13049 \let\@mpfootnotetext\@mpfivecolfootnotetext
13050 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13051 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13052 \@bidi@after@Hy@hyperfootnotes
13053 \m@make@mpfivecol@footgroup{v@r}%
13054 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13055 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13056 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13057 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13058 }
13059 \newcommand{\FiveColumnFootnotes}{%
13060 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
13061 \@namedef{\foottextfontv@l}{\LTRfoottextfont}%
13062 \@bidi@before@Hy@hyperfootnotes
13063 \let\@footnotetext\@FiveColfootnotetext
13064 \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13065 \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13066 \dimen\footinsv@r=5\footinsdim
13067 \count\footinsv@r=200\relax
13068 \m@make@fivecol@footgroup{v@r}%
13069 \let\@footgroupv@r\@fivecol@footgroupv@r
13070 \dimen\footinsv@l=5\footinsdim
13071 \count\footinsv@l=200\relax
13072 \bidi@make@fivecol@LTRfootgroup{v@l}%
13073 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13074 \let\@mpfootnotetext\@mpFiveColfootnotetext
13075 \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13076 \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13077 \@bidi@after@Hy@hyperfootnotes
13078 \m@make@mpfivecol@footgroup{v@r}%
13079 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13080 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13081 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l

```



```

13082 \@ifstar\bidistar@footmarkwidth\bidinormal@footmarkwidth
13083 }
13084 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13085 \if@RTL@footnote
13086 \footinsv@r
13087 \else
13088 \footinsv@l
13089 \fi
13090 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13091 \def\baselinestretch{\m@m@footnote@spacing}%
13092 \reset@font\foottextfont
13093 \@preamfntext
13094 \protected@edef\@currentlabel{%
13095 \csname p@footnote\endcsname\@thefnmark}%
13096 \color@begingroup
13097 \@fivecolfootfmt{#1}%
13098 \color@endgroup}%
13099 \m@mmf@prepare}
13100 \newcommand{\@FiveColfootnotetext}[1]{%
13101 \bidi@step@absolute@footnote@count
13102 \if@RTL@footnote
13103 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13104 \else
13105 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13106 \fi
13107 \global\setbox
13108 \if@RTL@footnote
13109 \footinsv@r
13110 \else
13111 \footinsv@l
13112 \fi
13113 \vbox{%
13114 \unvbox
13115 \if@RTL@footnote
13116 \footinsv@r
13117 \else
13118 \footinsv@l
13119 \fi
13120 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13121 \def\baselinestretch{\m@m@footnote@spacing}%
13122 \reset@font\foottextfont
13123 \@preamfntext
13124 \protected@edef\@currentlabel{%
13125 \csname p@footnote\endcsname\@thefnmark}%
13126 \color@begingroup
13127 \@fivecolfootfmt{#1}%
13128 \color@endgroup}%
13129 \m@mmf@prepare
13130 \if@RTL@footnote
13131 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13132 \else
13133 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13134 \fi
13135 }

```



```

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

```



```

13190 \bidi@ensure@newcommand{\@preamfivefmt}{%
13191   \hsize .2\hsize
13192   \parindent=\z@
13193   \tolerance=5000\relax
13194   \leavevmode}
13195 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
13196   \@preamfivefmt
13197   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13198 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13199   \@preamfivefmt
13200   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13201 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13202   \@preamfivefmt
13203   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13204 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13205   \global\setbox
13206     \if@RTL@footnote
13207     \@mpfootinsv@r
13208   \else
13209     \@mpfootinsv@l
13210   \fi
13211   \vbox{%
13212     \unvbox
13213     \if@RTL@footnote
13214     \@mpfootinsv@r
13215   \else
13216     \@mpfootinsv@l
13217   \fi
13218   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13219   \def\baselinestretch{\m@m@footnote@spacing}%
13220   \reset@font\foottextfont
13221   \hsize\columnwidth \@parboxrestore
13222   \protected@edef\@currentlabel{%
13223     \csname p@mpfootnote\endcsname\@thefnmark}%
13224   \color@begingroup
13225     \@fivecolfootfmt{#1}%
13226   \color@endgroup}%
13227   \m@mmf@prepare}
13228 \newcommand{\@mpFiveColfootnotetext}[1]{%
13229   \if@RTL@footnote
13230     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13231   \else
13232     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13233   \fi
13234   \global\setbox
13235     \if@RTL@footnote
13236     \@mpfootinsv@r
13237   \else
13238     \@mpfootinsv@l
13239   \fi
13240   \vbox{%
13241     \unvbox
13242     \if@RTL@footnote
13243     \@mpfootinsv@r

```



```

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

```




```

13298 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13299 \global\setbox\@mpfootinsv@r\vbox{%
13300   \unvbox\@mpfootinsv@r
13301   \@RTLtrue
13302   \def\baselinestretch{\m@m@footnote@spacing}%
13303   \reset@font\RTLfoottextfont
13304   \hsize\columnwidth \@parboxrestore
13305   \protected@edef\@currentlabel{%
13306     \csname p@mpfootnote\endcsname\@thefnmark}%
13307   \color@begingroup
13308     \@fivecolRTLfootfmt{#1}%
13309   \color@endgroup}%
13310   \m@m@mmf@prepare}
13311 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13312   \@namedef{@fivecol@footgroup#1}{%
13313     \def\baselinestretch{\m@m@footnote@spacing}%
13314     \hsize\bidi@columnwidth
13315     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13316     \m@m@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
13317 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13318   \@namedef{@fivecol@LTRfootgroup#1}{%
13319     \def\baselinestretch{\m@m@footnote@spacing}%
13320     \hsize\bidi@columnwidth
13321     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13322     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
13323 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13324   \@namedef{@mpfivecol@footgroup#1}{%
13325     \def\baselinestretch{\m@m@footnote@spacing}%
13326     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13327     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
13328 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13329   \@namedef{@mpfivecol@LTRfootgroup#1}{%
13330     \def\baselinestretch{\m@m@footnote@spacing}%
13331     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13332     \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
13333 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
13334   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13335   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13336   \@bidi@before@Hy@hyperfootnotes
13337   \let\@footnotetext\@sixcolfootnotetext
13338   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13339   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13340   \dimen\footinsv@r=6\footinsdim
13341   \count\footinsv@r=166\relax
13342   \m@make@sixcol@footgroup{v@r}%
13343   \let\@footgroupv@r\@sixcol@footgroupv@r
13344   \dimen\footinsv@l=6\footinsdim
13345   \count\footinsv@l=166\relax
13346   \bidi@make@sixcol@LTRfootgroup{v@l}%
13347   \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13348   \let\@mpfootnotetext\@mpsixcolfootnotetext
13349   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13350   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13351   \@bidi@after@Hy@hyperfootnotes

```



```

13352 \m@make@mpsixcol@footgroup{v@r}%
13353 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13354 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13355 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13356 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13357 }
13358 \newcommand{\SixColumnFootnotes}{%
13359 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13360 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13361 \@bidi@before@Hy@hyperfootnotes
13362 \let\@footnotetext\@SixColfootnotetext
13363 \let\@LTRfootnotetext\@SixColLTRfootnotetext
13364 \let\@RTLfootnotetext\@SixColRTLfootnotetext
13365 \dimen\footinsv@r=6\footinsdim
13366 \count\footinsv@r=166\relax
13367 \m@make@sixcol@footgroup{v@r}%
13368 \let\@footgroupv@r\@sixcol@footgroupv@r
13369 \dimen\footinsv@l=6\footinsdim
13370 \count\footinsv@l=166\relax
13371 \bidi@make@sixcol@LTRfootgroup{v@l}%
13372 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13373 \let\@mpfootnotetext\@mpSixColfootnotetext
13374 \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13375 \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13376 \@bidi@after@Hy@hyperfootnotes
13377 \m@make@mpsixcol@footgroup{v@r}%
13378 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13379 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13380 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13381 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13382 }
13383 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13384 \if@RTL@footnote
13385 \footinsv@r
13386 \else
13387 \footinsv@l
13388 \fi
13389 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13390 \def\baselinestretch{\m@m@footnote@spacing}%
13391 \reset@font\foottextfont
13392 \@preamfntext
13393 \protected@edef\@currentlabel{%
13394 \csname p@footnote\endcsname\@thefnmark}%
13395 \color@begingroup
13396 \@sixcolfootfmt{#1}%
13397 \color@endgroup}%
13398 \m@m@mmf@prepare}
13399 \newcommand{\@SixColfootnotetext}[1]{%
13400 \bidi@step@absolute@footnote@count
13401 \if@RTL@footnote
13402 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13403 \else
13404 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13405 \fi

```



```

13406 \global\setbox
13407 \if@RTL@footnote
13408   \footinsv@r
13409 \else
13410   \footinsv@l
13411 \fi
13412 \vbox{%
13413   \unvbox
13414   \if@RTL@footnote
13415     \footinsv@r
13416   \else
13417     \footinsv@l
13418   \fi
13419   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13420   \def\baselinestretch{\m@m@footnote@spacing}%
13421   \reset@font\foottextfont
13422   \@preamfntext
13423   \protected@edef\@currentlabel{%
13424     \csname p@footnote\endcsname\@thefnmark}%
13425   \color@begingroup
13426     \@sixcolfootfmt{#1}%
13427   \color@endgroup}%
13428   \m@m@mmf@prepare
13429   \if@RTL@footnote
13430     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13431   \else
13432     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13433   \fi
13434 }
13435 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13436   \def\baselinestretch{\m@m@footnote@spacing}%
13437   \reset@font\LTRfoottextfont
13438   \@preamfntext
13439   \protected@edef\@currentlabel{%
13440     \csname p@footnote\endcsname\@thefnmark}%
13441   \color@begingroup
13442     \@sixcolLTRfootfmt{#1}%
13443   \color@endgroup}%
13444   \m@m@mmf@prepare}
13445 \newcommand{\@SixColLTRfootnotetext}[1]{%
13446   \bidi@step@absolute@footnote@count
13447   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13448   \global\setbox\footinsv@l\vbox{%
13449     \unvbox\footinsv@l
13450     \@RTLfalse
13451     \def\baselinestretch{\m@m@footnote@spacing}%
13452     \reset@font\LTRfoottextfont
13453     \@preamfntext
13454     \protected@edef\@currentlabel{%
13455       \csname p@footnote\endcsname\@thefnmark}%
13456     \color@begingroup
13457       \@sixcolLTRfootfmt{#1}%
13458     \color@endgroup}%
13459     \m@m@mmf@prepare

```



```

13460 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13461 }
13462 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13463 \def\baselinestretch{\m@m@footnote@spacing}%
13464 \reset@font\RTLfoottextfont
13465 \@preamfntext
13466 \protected@edef\@currentlabel{%
13467 \csname p@footnote\endcsname\@thefnmark}%
13468 \color@begingroup
13469 \@sixcolRTLfootfmt{#1}%
13470 \color@endgroup}%
13471 \m@mmf@prepare}
13472 \newcommand{\@SixColRTLfootnotetext}[1]{%
13473 \bidi@step@absolutefootnote@count
13474 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13475 \global\setbox\footinsv@r\vbox{%
13476 \unvbox\footinsv@r
13477 \@RTLtrue
13478 \def\baselinestretch{\m@m@footnote@spacing}%
13479 \reset@font\RTLfoottextfont
13480 \@preamfntext
13481 \protected@edef\@currentlabel{%
13482 \csname p@footnote\endcsname\@thefnmark}%
13483 \color@begingroup
13484 \@sixcolRTLfootfmt{#1}%
13485 \color@endgroup}%
13486 \m@mmf@prepare
13487 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13488 }
13489 \bidi@ensure@newcommand{\@preamsixfmt}{%
13490 \hsize .16\hsize
13491 \parindent=\z@
13492 \tolerance=5000\relax
13493 \leavevmode}
13494 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13495 \@preamsixfmt
13496 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13497 \bidi@ensure@newcommand{\@sixcollTRfootfmt}[1]{%
13498 \@preamsixfmt
13499 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13500 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13501 \@preamsixfmt
13502 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13503 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13504 \global\setbox
13505 \if@RTL@footnote
13506 \@mpfootinsv@r
13507 \else
13508 \@mpfootinsv@l
13509 \fi
13510 \vbox{%
13511 \unvbox
13512 \if@RTL@footnote
13513 \@mpfootinsv@r

```



```

13514 \else
13515 \mpfootinsv@l
13516 \fi
13517 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13518 \def\baselinestretch{\m@m@footnote@spacing}%
13519 \reset@font\foottextfont
13520 \hsize\columnwidth \@parboxrestore
13521 \protected@edef\@currentlabel{%
13522 \csname p@mpfootnote\endcsname\@thefnmark}%
13523 \color@begingroup
13524 \@sixcolfootfmt{#1}%
13525 \color@endgroup}%
13526 \m@m@mmf@prepare}
13527 \newcommand{\@mpSixColfootnotetext}[1]{%
13528 \if@RTL@footnote
13529 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13530 \else
13531 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13532 \fi
13533 \global\setbox
13534 \if@RTL@footnote
13535 \mpfootinsv@r
13536 \else
13537 \mpfootinsv@l
13538 \fi
13539 \vbox{%
13540 \unvbox
13541 \if@RTL@footnote
13542 \mpfootinsv@r
13543 \else
13544 \mpfootinsv@l
13545 \fi
13546 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13547 \def\baselinestretch{\m@m@footnote@spacing}%
13548 \reset@font\foottextfont
13549 \hsize\columnwidth \@parboxrestore
13550 \protected@edef\@currentlabel{%
13551 \csname p@mpfootnote\endcsname\@thefnmark}%
13552 \color@begingroup
13553 \@sixcolfootfmt{#1}%
13554 \color@endgroup}%
13555 \m@m@mmf@prepare}
13556 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
13557 \global\setbox\@mpfootinsv@l\vbox{%
13558 \unvbox\@mpfootinsv@l
13559 \@RTLfalse
13560 \def\baselinestretch{\m@m@footnote@spacing}%
13561 \reset@font\LTRfoottextfont
13562 \hsize\columnwidth \@parboxrestore
13563 \protected@edef\@currentlabel{%
13564 \csname p@mpfootnote\endcsname\@thefnmark}%
13565 \color@begingroup
13566 \@sixcolLTRfootfmt{#1}%
13567 \color@endgroup}%

```



```

13568 \m@mmf@prepare}
13569 \newcommand{\@mpSixCollTRfootnotetext}[1]{%
13570 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13571 \global\setbox\@mpfootinsv@l\vbox{%
13572 \unvbox\@mpfootinsv@l
13573 \RTLfalse
13574 \def\baselinestretch{\m@m@footnote@spacing}%
13575 \reset@font\LTRfoottextfont
13576 \hsize\columnwidth \@parboxrestore
13577 \protected@edef\@currentlabel{%
13578 \csname p@mpfootnote\endcsname\@thefnmark}%
13579 \color@begingroup
13580 \@sixcollTRfootfmt{#1}%
13581 \color@endgroup}%
13582 \m@mmf@prepare}
13583 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13584 \global\setbox\@mpfootinsv@r\vbox{%
13585 \unvbox\@mpfootinsv@r
13586 \RTLtrue
13587 \def\baselinestretch{\m@m@footnote@spacing}%
13588 \reset@font\RTLfoottextfont
13589 \hsize\columnwidth \@parboxrestore
13590 \protected@edef\@currentlabel{%
13591 \csname p@mpfootnote\endcsname\@thefnmark}%
13592 \color@begingroup
13593 \@sixcolRTLfootfmt{#1}%
13594 \color@endgroup}%
13595 \m@mmf@prepare}
13596 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13597 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13598 \global\setbox\@mpfootinsv@r\vbox{%
13599 \unvbox\@mpfootinsv@r
13600 \RTLtrue
13601 \def\baselinestretch{\m@m@footnote@spacing}%
13602 \reset@font\RTLfoottextfont
13603 \hsize\columnwidth \@parboxrestore
13604 \protected@edef\@currentlabel{%
13605 \csname p@mpfootnote\endcsname\@thefnmark}%
13606 \color@begingroup
13607 \@sixcolRTLfootfmt{#1}%
13608 \color@endgroup}%
13609 \m@mmf@prepare}
13610 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13611 \@namedef{\@sixcol@footgroup#1}{%
13612 \def\baselinestretch{\m@m@footnote@spacing}%
13613 \hsize\bidi@columnwidth
13614 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13615 \m@r rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
13616 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13617 \@namedef{\@sixcol@LTRfootgroup#1}{%
13618 \def\baselinestretch{\m@m@footnote@spacing}%
13619 \hsize\bidi@columnwidth
13620 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13621 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%

```



```

13622 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
13623 \@namedef{\mpsixcol@footgroup#1}{%
13624 \def\baselinestretch{\m@footnote@spacing}%
13625 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13626 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}%
13627 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
13628 \@namedef{\mpsixcol@LTRfootgroup#1}{%
13629 \def\baselinestretch{\m@footnote@spacing}%
13630 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13631 \bidi@LTRrigrigidbodybalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}%
13632 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13633 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13634 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13635 \@bidi@before@Hy@hyperfootnotes
13636 \let\@footnotetext\@sevendcolfootnotetext
13637 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13638 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13639 \dimen\footinsv@r=7\footinsdim
13640 \count\footinsv@r=142\relax
13641 \m@make@sevendcol@footgroup{v@r}%
13642 \let\@footgroupv@r\@sevendcol@footgroupv@r
13643 \dimen\footinsv@l=7\footinsdim
13644 \count\footinsv@l=142\relax
13645 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13646 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13647 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13648 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13649 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13650 \@bidi@after@Hy@hyperfootnotes
13651 \m@make@mpsevendcol@footgroup{v@r}%
13652 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13653 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13654 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13655 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13656 }
13657 \newcommand{\SevenColumnFootnotes}{%
13658 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13659 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13660 \@bidi@before@Hy@hyperfootnotes
13661 \let\@footnotetext\@SevenColfootnotetext
13662 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13663 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13664 \dimen\footinsv@r=7\footinsdim
13665 \count\footinsv@r=142\relax
13666 \m@make@sevendcol@footgroup{v@r}%
13667 \let\@footgroupv@r\@sevendcol@footgroupv@r
13668 \dimen\footinsv@l=7\footinsdim
13669 \count\footinsv@l=142\relax
13670 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13671 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13672 \let\@mpfootnotetext\@mpSevenColfootnotetext
13673 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13674 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13675 \@bidi@after@Hy@hyperfootnotes

```



```

13676 \m@make@mpsevenscol@footgroup{v@r}%
13677 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r
13678 \bidi@make@mpsevenscol@LTRfootgroup{v@l}%
13679 \let\mp@LTRfootgroupv@l\@mpsevenscol@LTRfootgroupv@l
13680 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13681 }
13682 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert
13683 \if@RTL@footnote
13684 \footinsv@r
13685 \else
13686 \footinsv@l
13687 \fi
13688 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13689 \def\baselinestretch{\m@mm@footnote@spacing}%
13690 \reset@font\foottextfont
13691 \@preamfntext
13692 \protected@edef\@currentlabel{%
13693 \csname p@footnote\endcsname\@thefnmark}%
13694 \color@begingroup
13695 \@sevenscolfootfmt{#1}%
13696 \color@endgroup}%
13697 \m@mmf@prepare}
13698 \newcommand{\@SevenColfootnotetext}[1]{%
13699 \bidi@step@absolute@footnote@count
13700 \if@RTL@footnote
13701 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13702 \else
13703 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13704 \fi
13705 \global\setbox
13706 \if@RTL@footnote
13707 \footinsv@r
13708 \else
13709 \footinsv@l
13710 \fi
13711 \vbox{%
13712 \unvbox
13713 \if@RTL@footnote
13714 \footinsv@r
13715 \else
13716 \footinsv@l
13717 \fi
13718 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13719 \def\baselinestretch{\m@mm@footnote@spacing}%
13720 \reset@font\foottextfont
13721 \@preamfntext
13722 \protected@edef\@currentlabel{%
13723 \csname p@footnote\endcsname\@thefnmark}%
13724 \color@begingroup
13725 \@sevenscolfootfmt{#1}%
13726 \color@endgroup}%
13727 \m@mmf@prepare
13728 \if@RTL@footnote
13729 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r

```




```

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

```



```

13784 \color@endgroup}%
13785 \m@mmf@prepare
13786 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13787 }
13788 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13789 \hspace{.142\hspace}
13790 \parindent=\z@
13791 \tolerance=5000\relax
13792 \leavevmode}
13793 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
13794 \@preamsevenfmt
13795 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13796 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
13797 \@preamsevenfmt
13798 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13799 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
13800 \@preamsevenfmt
13801 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13802 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{%
13803 \global\setbox
13804 \if@RTL@footnote
13805 \@mpfootinsv@r
13806 \else
13807 \@mpfootinsv@l
13808 \fi
13809 \vbox{%
13810 \unvbox
13811 \if@RTL@footnote
13812 \@mpfootinsv@r
13813 \else
13814 \@mpfootinsv@l
13815 \fi
13816 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13817 \def\baselinestretch{\m@mm@footnote@spacing}%
13818 \reset@font\foottextfont
13819 \hspace\columnwidth \@parboxrestore
13820 \protected@edef\@currentlabel{%
13821 \csname p@mpfootnote\endcsname\@thefnmark}%
13822 \color@begingroup
13823 \@sevencolfootfmt{#1}%
13824 \color@endgroup}%
13825 \m@mmf@prepare}
13826 \newcommand{\@mpSevenColfootnotetext}[1]{%
13827 \if@RTL@footnote
13828 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13829 \else
13830 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13831 \fi
13832 \global\setbox
13833 \if@RTL@footnote
13834 \@mpfootinsv@r
13835 \else
13836 \@mpfootinsv@l
13837 \fi

```



```

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

```



```

13892 \sevenscolRTLfootfmt{#1}%
13893 \color@endgroup}%
13894 \m@mmf@prepare}
13895 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13896 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13897 \global\setbox\@mpfootinsv@r\vbox{%
13898 \unvbox\@mpfootinsv@r
13899 \RTLtrue
13900 \def\baselinestretch{\m@m@footnote@spacing}%
13901 \reset@font\RTLfoottextfont
13902 \hsize\columnwidth \@parboxrestore
13903 \protected@edef\@currentlabel{%
13904 \csname p@mpfootnote\endcsname\@thefnmark}%
13905 \color@begingroup
13906 \sevenscolRTLfootfmt{#1}%
13907 \color@endgroup}%
13908 \m@mmf@prepare}
13909 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13910 \@namedef{\sevenscol@footgroup#1}{%
13911 \def\baselinestretch{\m@m@footnote@spacing}%
13912 \hsize\bidi@columnwidth
13913 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13914 \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}
13915 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
13916 \@namedef{\sevenscol@LTRfootgroup#1}{%
13917 \def\baselinestretch{\m@m@footnote@spacing}%
13918 \hsize\bidi@columnwidth
13919 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13920 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}
13921 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
13922 \@namedef{\mpsevenscol@footgroup#1}{%
13923 \def\baselinestretch{\m@m@footnote@spacing}%
13924 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13925 \m@r@rigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}
13926 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
13927 \@namedef{\mpsevenscol@LTRfootgroup#1}{%
13928 \def\baselinestretch{\m@m@footnote@spacing}%
13929 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13930 \bidi@LTRrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}
13931 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
13932 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13933 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13934 \@bidi@before@Hy@hyperfootnotes
13935 \let\@footnotetext\@eightcolfootnotetext
13936 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
13937 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
13938 \dimen\footinsv@r=8\footinsdim
13939 \count\footinsv@r=125\relax
13940 \m@make@eightcol@footgroup{v@r}%
13941 \let\@footgroupv@r\@eightcol@footgroupv@r
13942 \dimen\footinsv@l=8\footinsdim
13943 \count\footinsv@l=125\relax
13944 \bidi@make@eightcol@LTRfootgroup{v@l}%
13945 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l

```



```

13946 \let\@mpfootnotetext\@mpeightcolfootnotetext
13947 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
13948 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
13949 \@bidi@after@Hy@hyperfootnotes
13950 \m@make@mpeightcol@footgroup{v@r}%
13951 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13952 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13953 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13954 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13955 }
13956 \newcommand{\EightColumnFootnotes}{%
13957 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13958 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13959 \@bidi@before@Hy@hyperfootnotes
13960 \let\@footnotetext\@EightColfootnotetext
13961 \let\@LTRfootnotetext\@EightColLTRfootnotetext
13962 \let\@RTLfootnotetext\@EightColRTLfootnotetext
13963 \dimen\footinsv@r=8\footinsdim
13964 \count\footinsv@r=125\relax
13965 \m@make@eightcol@footgroup{v@r}%
13966 \let\@footgroupv@r\@eightcol@footgroupv@r
13967 \dimen\footinsv@l=8\footinsdim
13968 \count\footinsv@l=125\relax
13969 \bidi@make@eightcol@LTRfootgroup{v@l}%
13970 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
13971 \let\@mpfootnotetext\@mpEightColfootnotetext
13972 \let\@mpLTRfootnotetext\@mpEightColLTRfootnotetext
13973 \let\@mpRTLfootnotetext\@mpEightColRTLfootnotetext
13974 \@bidi@after@Hy@hyperfootnotes
13975 \m@make@mpeightcol@footgroup{v@r}%
13976 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
13977 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
13978 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
13979 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13980 }
13981 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert
13982 \if@RTL@footnote
13983 \footinsv@r
13984 \else
13985 \footinsv@l
13986 \fi
13987 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13988 \def\baselinestretch{\m@mm@footnote@spacing}%
13989 \reset@font\foottextfont
13990 \@preamfntext
13991 \protected@edef\@currentlabel{%
13992 \csname p@footnote\endcsname\@thefnmark}%
13993 \color@begingroup
13994 \@eightcolfootfmt{#1}%
13995 \color@endgroup}%
13996 \m@mmf@prepare}
13997 \newcommand{\@EightColfootnotetext}[1]{%
13998 \bidi@step@absolutefootnote@count
13999 \if@RTL@footnote

```



```

14000 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14001 \else
14002 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14003 \fi
14004 \global\setbox
14005 \if@RTL@footnote
14006 \footinsv@r
14007 \else
14008 \footinsv@l
14009 \fi
14010 \vbox{%
14011 \unvbox
14012 \if@RTL@footnote
14013 \footinsv@r
14014 \else
14015 \footinsv@l
14016 \fi
14017 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14018 \def\baselinestretch{\m@m@footnote@spacing}%
14019 \reset@font\foottextfont
14020 \@preamfntext
14021 \protected@edef\@currentlabel{%
14022 \csname p@footnote\endcsname\@thefnmark}%
14023 \color@begingroup
14024 \@eightcolfootfmt{#1}%
14025 \color@endgroup}%
14026 \m@mmf@prepare
14027 \if@RTL@footnote
14028 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14029 \else
14030 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14031 \fi
14032 }
14033 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14034 \def\baselinestretch{\m@m@footnote@spacing}%
14035 \reset@font\LTRfoottextfont
14036 \@preamfntext
14037 \protected@edef\@currentlabel{%
14038 \csname p@footnote\endcsname\@thefnmark}%
14039 \color@begingroup
14040 \@eightcolLTRfootfmt{#1}%
14041 \color@endgroup}%
14042 \m@mmf@prepare}
14043 \newcommand{\@EightColLTRfootnotetext}[1]{%
14044 \bidi@step@absolute@footnote@count
14045 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14046 \global\setbox\footinsv@l\vbox{%
14047 \unvbox\footinsv@l
14048 \@RTLfalse
14049 \def\baselinestretch{\m@m@footnote@spacing}%
14050 \reset@font\LTRfoottextfont
14051 \@preamfntext
14052 \protected@edef\@currentlabel{%
14053 \csname p@footnote\endcsname\@thefnmark}%

```



```

14054 \color@begingroup
14055   \@eightcolLTRfootfmt{#1}%
14056 \color@endgroup}%
14057 \m@mmf@prepare
14058 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14059 }
14060 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14061   \def\baselinestretch{\m@mm@footnote@spacing}%
14062   \reset@font\RTLfoottextfont
14063   \@preamfntext
14064   \protected@edef\@currentlabel{%
14065     \csname p@footnote\endcsname\@thefnmark}%
14066   \color@begingroup
14067     \@eightcolRTLfootfmt{#1}%
14068   \color@endgroup}%
14069   \m@mmf@prepare}
14070 \newcommand{\@EightColRTLfootnotetext}[1]{%
14071   \bidi@step@absolutefootnote@count
14072   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14073   \global\setbox\footinsv@r\vbox{%
14074     \unvbox\footinsv@r
14075     \@RTLtrue%
14076     \def\baselinestretch{\m@mm@footnote@spacing}%
14077     \reset@font\RTLfoottextfont
14078     \@preamfntext
14079     \protected@edef\@currentlabel{%
14080       \csname p@footnote\endcsname\@thefnmark}%
14081     \color@begingroup
14082       \@eightcolRTLfootfmt{#1}%
14083     \color@endgroup}%
14084     \m@mmf@prepare
14085   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14086 }
14087 \bidi@ensure@newcommand{\@preameightfmt}{%
14088   \hspace{.125\hspace}
14089   \parindent=\z@
14090   \tolerance=5000\relax
14091   \leavevmode}
14092 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14093   \@preameightfmt
14094   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14095 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
14096   \@preameightfmt
14097   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14098 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14099   \@preameightfmt
14100   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14101 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14102   \global\setbox
14103     \if@RTL@footnote
14104       \@mpfootinsv@r
14105   \else
14106     \@mpfootinsv@l
14107   \fi

```



```

14108 \vbox{%
14109   \unvbox
14110   \if@RTL@footnote
14111   \@mpfootinsv@r
14112 \else
14113   \@mpfootinsv@l
14114 \fi
14115   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14116   \def\baselinestretch{\m@m@footnote@spacing}%
14117   \reset@font\foottextfont
14118   \hsize\columnwidth \@parboxrestore
14119   \protected@edef\@currentlabel{%
14120     \csname p@mpfootnote\endcsname\@thefnmark}%
14121   \color@begingroup
14122     \@eightcolfootfmt{#1}%
14123   \color@endgroup}%
14124   \m@mmf@prepare}
14125 \newcommand{\@mpEightColfootnotetext}[1]{%
14126   \if@RTL@footnote
14127     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14128   \else
14129     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14130   \fi
14131   \global\setbox
14132     \if@RTL@footnote
14133     \@mpfootinsv@r
14134   \else
14135     \@mpfootinsv@l
14136   \fi
14137   \vbox{%
14138     \unvbox
14139     \if@RTL@footnote
14140     \@mpfootinsv@r
14141   \else
14142     \@mpfootinsv@l
14143   \fi
14144     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14145     \def\baselinestretch{\m@m@footnote@spacing}%
14146     \reset@font\foottextfont
14147     \hsize\columnwidth \@parboxrestore
14148     \protected@edef\@currentlabel{%
14149       \csname p@mpfootnote\endcsname\@thefnmark}%
14150     \color@begingroup
14151       \@eightcolfootfmt{#1}%
14152     \color@endgroup}%
14153     \m@mmf@prepare}
14154 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14155   \global\setbox\@mpfootinsv@l\vbox{%
14156     \unvbox\@mpfootinsv@l
14157     \@RTLfalse
14158     \def\baselinestretch{\m@m@footnote@spacing}%
14159     \reset@font\LTRfoottextfont
14160     \hsize\columnwidth \@parboxrestore
14161     \protected@edef\@currentlabel{%

```




```

14162     \csname p@mpfootnote\endcsname\@thefnmark}%
14163 \color@begingroup
14164     \@eightcolLTRfootfmt{#1}%
14165 \color@endgroup}%
14166 \m@mmf@prepare}
14167 \newcommand{\@mpEightColLTRfootnotetext}[1]{%
14168 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14169 \global\setbox\@mpfootinsv@l\vbox{%
14170     \unvbox\@mpfootinsv@l
14171     \@RTLfalse
14172     \def\baselinestretch{\m@m@footnote@spacing}%
14173     \reset@font\LTRfoottextfont
14174     \hsize\columnwidth \@parboxrestore
14175     \protected@edef\@currentlabel{%
14176         \csname p@mpfootnote\endcsname\@thefnmark}%
14177 \color@begingroup
14178     \@eightcolLTRfootfmt{#1}%
14179 \color@endgroup}%
14180 \m@mmf@prepare}
14181 \bidi@ensure@newcommand{\@mpEightColRTLfootnotetext}[1]{%
14182 \global\setbox\@mpfootinsv@r\vbox{%
14183     \unvbox\@mpfootinsv@r
14184     \@RTLtrue
14185     \def\baselinestretch{\m@m@footnote@spacing}%
14186     \reset@font\RTLfoottextfont
14187     \hsize\columnwidth \@parboxrestore
14188     \protected@edef\@currentlabel{%
14189         \csname p@mpfootnote\endcsname\@thefnmark}%
14190 \color@begingroup
14191     \@eightcolRTLfootfmt{#1}%
14192 \color@endgroup}%
14193 \m@mmf@prepare}
14194 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14195 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14196 \global\setbox\@mpfootinsv@r\vbox{%
14197     \unvbox\@mpfootinsv@r
14198     \@RTLtrue
14199     \def\baselinestretch{\m@m@footnote@spacing}%
14200     \reset@font\RTLfoottextfont
14201     \hsize\columnwidth \@parboxrestore
14202     \protected@edef\@currentlabel{%
14203         \csname p@mpfootnote\endcsname\@thefnmark}%
14204 \color@begingroup
14205     \@eightcolRTLfootfmt{#1}%
14206 \color@endgroup}%
14207 \m@mmf@prepare}
14208 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
14209 \namedef{@eightcol@footgroup#1}{%
14210     \def\baselinestretch{\m@m@footnote@spacing}%
14211     \hsize\bidi@columnwidth
14212     \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14213     \m@rigrigidbodybalance{\nameuse{footins#1}}{8}{\splittopskip}}}
14214 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14215 \namedef{@eightcol@LTRfootgroup#1}{%

```



```

14216 \def\baselinestretch{\m@m@footnote@spacing}%
14217 \hsize\bidicolumnwidth
14218 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14219 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14220 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
14221 \@namedef{@mpeightcol@footgroup#1}{%
14222 \def\baselinestretch{\m@m@footnote@spacing}%
14223 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14224 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
14225 \newcommand{\bidi@make@mpeightcol@LTRfootgroup}[1]{%
14226 \@namedef{@mpeightcol@LTRfootgroup#1}{%
14227 \def\baselinestretch{\m@m@footnote@spacing}%
14228 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14229 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
14230 \bidi@ensure@newcommand{\necolumnfootnotes}{%
14231 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14232 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14233 \@bidi@before@Hy@hyperfootnotes
14234 \let\@footnotetext\@necolfootnotetext
14235 \let\@LTRfootnotetext\@necolLTRfootnotetext
14236 \let\@RTLfootnotetext\@necolRTLfootnotetext
14237 \dimen\footinsv@r=9\footinsdim
14238 \count\footinsv@r=111\relax
14239 \m@make@necol@footgroup{v@r}%
14240 \let\@footgroupv@r\@necol@footgroupv@r
14241 \dimen\footinsv@l=9\footinsdim
14242 \count\footinsv@l=111\relax
14243 \bidi@make@necol@LTRfootgroup{v@l}%
14244 \let\@LTRfootgroupv@l\@necol@LTRfootgroupv@l
14245 \let\@mpfootnotetext\@mpnecolfootnotetext
14246 \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
14247 \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
14248 \@bidi@after@Hy@hyperfootnotes
14249 \m@make@mpnecol@footgroup{v@r}%
14250 \let\mp@footgroupv@r\@mpnecol@footgroupv@r
14251 \bidi@make@mpnecol@LTRfootgroup{v@l}%
14252 \let\mp@LTRfootgroupv@l\@mpnecol@LTRfootgroupv@l
14253 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14254 }
14255 \newcommand{\NineColumnFootnotes}{%
14256 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14257 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14258 \@bidi@before@Hy@hyperfootnotes
14259 \let\@footnotetext\@NineColfootnotetext
14260 \let\@LTRfootnotetext\@NineColLTRfootnotetext
14261 \let\@RTLfootnotetext\@NineColRTLfootnotetext
14262 \dimen\footinsv@r=9\footinsdim
14263 \count\footinsv@r=111\relax
14264 \m@make@necol@footgroup{v@r}%
14265 \let\@footgroupv@r\@necol@footgroupv@r
14266 \dimen\footinsv@l=9\footinsdim
14267 \count\footinsv@l=111\relax
14268 \bidi@make@necol@LTRfootgroup{v@l}%
14269 \let\@LTRfootgroupv@l\@necol@LTRfootgroupv@l

```



```

14270 \let\@mpfootnotetext\@mpNineColfootnotetext
14271 \let\@mpLTRfootnotetext\@mpNineColLTRfootnotetext
14272 \let\@mpRTLfootnotetext\@mpNineColRTLfootnotetext
14273 \@bidi@after@Hy@hyperfootnotes
14274 \m@make@mpninelcol@footgroup{v@r}%
14275 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
14276 \bidi@make@mpninelcol@LTRfootgroup{v@l}%
14277 \let\mp@LTRfootgroupv@l\@mpninelcol@LTRfootgroupv@l
14278 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14279 }
14280 \bidi@ensure@newcommand{\@ninelcolfootnotetext}[1]{\insert
14281 \ifRTL@footnote
14282 \footinsv@r
14283 \else
14284 \footinsv@l
14285 \fi
14286 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14287 \def\baselinestretch{\m@mp@footnote@spacing}%
14288 \reset@font\foottextfont
14289 \@preamfntext
14290 \protected@edef\@currentlabel{%
14291 \csname p@footnote\endcsname\@thefnmark}%
14292 \color@begingroup
14293 \@ninelcolfootfmt{#1}%
14294 \color@endgroup}%
14295 \m@mmf@prepare}
14296 \newcommand{\@NineColfootnotetext}[1]{%
14297 \bidi@step@absolute@footnote@count
14298 \ifRTL@footnote
14299 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14300 \else
14301 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14302 \fi
14303 \global\setbox
14304 \ifRTL@footnote
14305 \footinsv@r
14306 \else
14307 \footinsv@l
14308 \fi
14309 \vbox{%
14310 \unvbox
14311 \ifRTL@footnote
14312 \footinsv@r
14313 \else
14314 \footinsv@l
14315 \fi
14316 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
14317 \def\baselinestretch{\m@mp@footnote@spacing}%
14318 \reset@font\foottextfont
14319 \@preamfntext
14320 \protected@edef\@currentlabel{%
14321 \csname p@footnote\endcsname\@thefnmark}%
14322 \color@begingroup
14323 \@ninelcolfootfmt{#1}%

```



```

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

```



```

14378 \protected@edef\@currentlabel{%
14379 \csname p@footnote\endcsname\@thefnmark}%
14380 \color@begingroup
14381 \@ninecolRTLfootfmt{#1}%
14382 \color@endgroup}%
14383 \m@mmf@prepare
14384 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14385 }
14386 \bidi@ensure@newcommand{\@preamninefmt}{%
14387 \hspace{.1\hspace}
14388 \parindent=\z@
14389 \tolerance=5000\relax
14390 \leavevmode}
14391 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
14392 \@preamninefmt
14393 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14394 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14395 \@preamninefmt
14396 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14397 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14398 \@preamninefmt
14399 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14400 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14401 \global\setbox
14402 \if@RTL@footnote
14403 \@mpfootinsv@r
14404 \else
14405 \@mpfootinsv@l
14406 \fi
14407 \vbox{%
14408 \unvbox
14409 \if@RTL@footnote
14410 \@mpfootinsv@r
14411 \else
14412 \@mpfootinsv@l
14413 \fi
14414 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14415 \def\baselinestretch{\m@m@footnote@spacing}%
14416 \reset@font\foottextfont
14417 \hspace\columnwidth \@parboxrestore
14418 \protected@edef\@currentlabel{%
14419 \csname p@mpfootnote\endcsname\@thefnmark}%
14420 \color@begingroup
14421 \@ninecolfootfmt{#1}%
14422 \color@endgroup}%
14423 \m@mmf@prepare}
14424 \newcommand{\@mpNineColfootnotetext}[1]{%
14425 \if@RTL@footnote
14426 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14427 \else
14428 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14429 \fi
14430 \global\setbox
14431 \if@RTL@footnote

```



```

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

```



```

14486 \hsize\columnwidth \@parboxrestore
14487 \protected@edef\@currentlabel{%
14488 \csname p@mpfootnote\endcsname\@thefnmark}%
14489 \color@begingroup
14490 \@ninecolRTLfootfmt{#1}%
14491 \color@endgroup}%
14492 \m@mmf@prepare}
14493 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14494 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14495 \global\setbox\@mpfootinsv@r\vbox{%
14496 \unvbox\@mpfootinsv@r
14497 \@RTLtrue
14498 \def\baselinestretch{\m@m@footnote@spacing}%
14499 \reset@font\RTLfoottextfont
14500 \hsize\columnwidth \@parboxrestore
14501 \protected@edef\@currentlabel{%
14502 \csname p@mpfootnote\endcsname\@thefnmark}%
14503 \color@begingroup
14504 \@ninecolRTLfootfmt{#1}%
14505 \color@endgroup}%
14506 \m@mmf@prepare}
14507 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14508 \@namedef{@ninecol@footgroup#1}{%
14509 \def\baselinestretch{\m@m@footnote@spacing}%
14510 \hsize\bidi@columnwidth
14511 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14512 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14513 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14514 \@namedef{@ninecol@LTRfootgroup#1}{%
14515 \def\baselinestretch{\m@m@footnote@spacing}%
14516 \hsize\bidi@columnwidth
14517 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14518 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14519 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14520 \@namedef{@mpninecol@footgroup#1}{%
14521 \def\baselinestretch{\m@m@footnote@spacing}%
14522 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14523 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
14524 \newcommand{\bidi@make@mpninecol@LTRfootgroup}[1]{%
14525 \@namedef{@mpninecol@LTRfootgroup#1}{%
14526 \def\baselinestretch{\m@m@footnote@spacing}%
14527 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14528 \bidi@LTRrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
14529 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14530 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14531 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14532 \@bidi@before@Hy@hyperfootnotes
14533 \let\@footnotetext\@tencolfootnotetext
14534 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14535 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14536 \dimen\footinsv@r=10\footinsdim
14537 \count\footinsv@r=100\relax
14538 \m@make@tencol@footgroup{v@r}%
14539 \let\@footgroupv@r\@tencol@footgroupv@r

```



```

14540 \dimen\footinsv@l=10\footinsdim
14541 \count\footinsv@l=100\relax
14542 \bidi@make@tencol@LTRfootgroup{v@l}%
14543 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14544 \let\@mpfootnotetext\@mptencolfootnotetext
14545 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
14546 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14547 \@bidi@after@Hy@hyperfootnotes
14548 \m@make@mptencol@footgroup{v@r}%
14549 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14550 \bidi@make@mptencol@LTRfootgroup{v@l}%
14551 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14552 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14553 }
14554 \newcommand{\TenColumnFootnotes}{%
14555 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14556 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14557 \@bidi@before@Hy@hyperfootnotes
14558 \let\@footnotetext\@TenColfootnotetext
14559 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14560 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14561 \dimen\footinsv@r=10\footinsdim
14562 \count\footinsv@r=100\relax
14563 \m@make@tencol@footgroup{v@r}%
14564 \let\@footgroupv@r\@tencol@footgroupv@r
14565 \dimen\footinsv@l=10\footinsdim
14566 \count\footinsv@l=100\relax
14567 \bidi@make@tencol@LTRfootgroup{v@l}%
14568 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14569 \let\@mpfootnotetext\@mpTenColfootnotetext
14570 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14571 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14572 \@bidi@after@Hy@hyperfootnotes
14573 \m@make@mptencol@footgroup{v@r}%
14574 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14575 \bidi@make@mptencol@LTRfootgroup{v@l}%
14576 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14577 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14578 }
14579 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14580 \if@RTL@footnote
14581 \footinsv@r
14582 \else
14583 \footinsv@l
14584 \fi
14585 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14586 \def\baselinestretch{\m@footnote@spacing}%
14587 \reset@font\foottextfont
14588 \@preamfntext
14589 \protected@edef\@currentlabel{%
14590 \csname p@footnote\endcsname\@thefnmark}%
14591 \color@begingroup
14592 \@tencolfootfmt{#1}%
14593 \color@endgroup}%

```




```

14594 \m@mmf@prepare}
14595 \newcommand{\@TenColfootnotetext}[1]{%
14596 \bidi@step@absolutefootnote@count
14597 \if@RTL@footnote
14598 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14599 \else
14600 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14601 \fi
14602 \global\setbox
14603 \if@RTL@footnote
14604 \footinsv@r
14605 \else
14606 \footinsv@l
14607 \fi
14608 \vbox{%
14609 \unvbox
14610 \if@RTL@footnote
14611 \footinsv@r
14612 \else
14613 \footinsv@l
14614 \fi
14615 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14616 \def\baselinestretch{\m@m@footnote@spacing}%
14617 \reset@font\foottextfont
14618 \@preamfntext
14619 \protected@edef\@currentlabel{%
14620 \csname p@footnote\endcsname\@thefnmark}%
14621 \color@begingroup
14622 \@tencolfootfmt{#1}%
14623 \color@endgroup}%
14624 \m@mmf@prepare
14625 \if@RTL@footnote
14626 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14627 \else
14628 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14629 \fi
14630 }
14631 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14632 \def\baselinestretch{\m@m@footnote@spacing}%
14633 \reset@font\LTRfoottextfont
14634 \@preamfntext
14635 \protected@edef\@currentlabel{%
14636 \csname p@footnote\endcsname\@thefnmark}%
14637 \color@begingroup
14638 \@tencolLTRfootfmt{#1}%
14639 \color@endgroup}%
14640 \m@mmf@prepare}
14641 \newcommand{\@TenColLTRfootnotetext}[1]{%
14642 \bidi@step@absolutefootnote@count
14643 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14644 \global\setbox\footinsv@l\vbox{%
14645 \unvbox\footinsv@l
14646 \@RTLfalse%
14647 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

14648 \reset@font\LTRfoottextfont
14649 \@preamfntext
14650 \protected@edef\@currentlabel{%
14651   \csname p@footnote\endcsname\@thefnmark}%
14652 \color@begingroup
14653   \@tencolLTRfootfmt{#1}%
14654 \color@endgroup}%
14655 \m@mfmf@prepare
14656 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14657 }
14658 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14659   \def\baselinestretch{\m@m@footnote@spacing}%
14660   \reset@font\RTLfoottextfont
14661   \@preamfntext
14662   \protected@edef\@currentlabel{%
14663     \csname p@footnote\endcsname\@thefnmark}%
14664   \color@begingroup
14665     \@tencolRTLfootfmt{#1}%
14666   \color@endgroup}%
14667   \m@mfmf@prepare}
14668 \newcommand{\@TenColRTLfootnotetext}[1]{%
14669   \bidi@step@absolutefootnote@count
14670   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14671   \global\setbox\footinsv@r\vbox{%
14672     \unvbox\footinsv@r
14673     \@RTLtrue
14674     \def\baselinestretch{\m@m@footnote@spacing}%
14675     \reset@font\RTLfoottextfont
14676     \@preamfntext
14677     \protected@edef\@currentlabel{%
14678       \csname p@footnote\endcsname\@thefnmark}%
14679     \color@begingroup
14680       \@tencolRTLfootfmt{#1}%
14681     \color@endgroup}%
14682     \m@mfmf@prepare
14683   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14684 }
14685 \bidi@ensure@newcommand{\@preamtenfmt}{%
14686   \hsize .1\hsize
14687   \parindent=\z@
14688   \tolerance=5000\relax
14689   \leavevmode}
14690 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14691   \@preamtenfmt
14692   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14693 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14694   \@preamtenfmt
14695   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14696 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14697   \@preamtenfmt
14698   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14699 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
14700   \global\setbox
14701     \if@RTL@footnote

```



```

14702 \mpfootinsv@r
14703 \else
14704 \mpfootinsv@l
14705 \fi
14706 \vbox{%
14707 \unvbox
14708 \if@RTL@footnote
14709 \mpfootinsv@r
14710 \else
14711 \mpfootinsv@l
14712 \fi
14713 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14714 \def\baselinestretch{\m@{footnote@spacing}}%
14715 \reset@font\foottextfont
14716 \hsize\columnwidth \@parboxrestore
14717 \protected@edef\@currentlabel{%
14718 \csname p@mpfootnote\endcsname\@thefnmark}%
14719 \color@begingroup
14720 \@tencolfootfmt{#1}%
14721 \color@endgroup}%
14722 \m@mmf@prepare}
14723 \newcommand{\@mpTenColfootnotetext}[1]{%
14724 \if@RTL@footnote
14725 \bidi@joinmpfootnotes\mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14726 \else
14727 \bidi@joinmpfootnotes\mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14728 \fi
14729 \global\setbox
14730 \if@RTL@footnote
14731 \mpfootinsv@r
14732 \else
14733 \mpfootinsv@l
14734 \fi
14735 \vbox{%
14736 \unvbox
14737 \if@RTL@footnote
14738 \mpfootinsv@r
14739 \else
14740 \mpfootinsv@l
14741 \fi
14742 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14743 \def\baselinestretch{\m@{footnote@spacing}}%
14744 \reset@font\foottextfont
14745 \hsize\columnwidth \@parboxrestore
14746 \protected@edef\@currentlabel{%
14747 \csname p@mpfootnote\endcsname\@thefnmark}%
14748 \color@begingroup
14749 \@tencolfootfmt{#1}%
14750 \color@endgroup}%
14751 \m@mmf@prepare}
14752 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
14753 \global\setbox\mpfootinsv@l\vbox{%
14754 \unvbox\mpfootinsv@l
14755 \@RTLfalse

```



```

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

```



```

14810 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14811 \m@rigrigidbodybalance{\nameuse{footins#1}}{10}{\splittopskip}}
14812 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14813 \namedef{@tencol@LTRfootgroup#1}{%
14814 \def\baselinestretch{\m@m@footnote@spacing}%
14815 \hsize\bidi@columnwidth
14816 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14817 \bidi@LTRigidbodybalance{\nameuse{footins#1}}{10}{\splittopskip}}}
14818 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
14819 \namedef{@mptencol@footgroup#1}{%
14820 \def\baselinestretch{\m@m@footnote@spacing}%
14821 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14822 \m@rigrigidbodybalance{\nameuse{mpfootins#1}}{10}{\splittopskip}}}
14823 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
14824 \namedef{@mptencol@LTRfootgroup#1}{%
14825 \def\baselinestretch{\m@m@footnote@spacing}%
14826 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14827 \bidi@LTRigidbodybalance{\nameuse{mpfootins#1}}{10}{\splittopskip}}}
14828 \bidi@ensure@newcommand{\m@munvxh}[1]{%
14829 \setbox0=\vbox{\unvbox#1%
14830 \global\setbox1=\lastbox}%
14831 \unhbox1
14832 \unskip
14833 \unskip
14834 \unpenalty
14835 \hskip\m@mipn@skip}
14836 \bidi@ensure@newcommand{\m@mungebox}{%
14837 \setbox0=\hbox{\m@munvxh0}%
14838 \dp0=\z@
14839 \ht0=\footfudgefactor\wd0
14840 \box0
14841 \penalty0}
14842 \newskip\m@mipn@skip
14843 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
14844 {\foottextfont\global\m@mipn@skip=#1\relax}}
14845 \m@minterparanoteglu{1em plus.3em minus.3em}
14846 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14847 \setbox0=\hbox{}%
14848 \loop
14849 \unpenalty
14850 \setbox2=\lastbox
14851 \ifhbox2
14852 \setbox0=\hbox{\box2\unhbox0}
14853 \repeat}
14854 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14855 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14856 \newcommand*{\AddExtraParaSkip}[1]{%
14857 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14858 }
14859 \let\bidi@xparaskip\relax
14860 \@onlypreamble\AddExtraParaSkip
14861 \@onlypreamble\bidi@xparaskip
14862 \def\bidi@startparafootskip#1{%
14863 \global\advance\skip#1\bidi@paraskip

```



```

14864 }
14865 \onlypreamble\bidistartparafootskip
14866 \bidiensurenewcommand{\paragraphfootnotes}{%
14867   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14868   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14869   \@bidi@before@Hy@hyperfootnotes
14870   \let\@footnotetext\@parafootnotetext
14871   \let\@LTRfootnotetext\@paraLTRfootnotetext
14872   \let\@RTLfootnotetext\@paraRTLfootnotetext
14873   \dimen\footinsv@r=\footinsdim
14874   \count\footinsv@r=1000\relax
14875   \let\@bidi@removexfootskip\@bidi@removexparafootskip
14876   \m@make@para@footgroup{v@r}%
14877   \m@make@para@footstart{v@r}%
14878   \let\@footgroupv@r\@para@footgroupv@r
14879   \let\@footstartv@r\@para@footstartv@r
14880   \dimen\footinsv@l=\footinsdim
14881   \count\footinsv@l=1000\relax
14882   \bidi@make@para@LTRfootgroup{v@l}%
14883   \m@make@para@footstart{v@l}%
14884   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14885   \let\@footstartv@l\@para@footstartv@l
14886   \let\@mpfootnotetext\@mpparafootnotetext
14887   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14888   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14889   \@bidi@after@Hy@hyperfootnotes
14890   \m@make@mppara@footgroup{v@r}%
14891   \bidi@make@mppara@LTRfootgroup{v@l}%
14892   \let\mp@footgroupv@r\@mppara@footgroupv@r
14893   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14894   \g@addto@macro\bidifloathook{%
14895     \begingroup
14896       \foottextfont \@tempdima\normalbaselineskip
14897       \multiply \@tempdima \@cclvi
14898       \@tempdimb \columnwidth
14899       \divide \@tempdimb \@cclvi
14900       \divide \@tempdima \@tempdimb
14901       \xdef\footfudgefactor{\strip@pt\@tempdima}%
14902     \endgroup
14903   }
14904 \AtBeginDocument{%
14905   \begingroup
14906     \foottextfont
14907     \@tempdima\footnotesep
14908     \advance\@tempdima -\ht\strutbox
14909     \ifdim\@tempdima<z@ \@tempdima\z@ \fi
14910     \advance\@tempdima.5\normalbaselineskip
14911     \bidi@xparaskip
14912     \xdef\@bidi@paraskip{\the\@tempdima\relax}%
14913   \endgroup
14914   \bidi@startparafootskip\footinsv@r
14915   \bidi@startparafootskip\footinsv@l
14916 }
14917 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth

```



```

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

```



```

14972 \newcommand{\normalRTLparaLTRfootnotes}{%
14973   \@namedef{foottextfontv@1}{\LTRfoottextfont}%
14974   \@bidi@before@Hy@hyperfootnotes
14975   \if@RTL@footnote
14976     \let\@footnotetext\m@mold@footnotetext
14977   \else
14978     \let\@footnotetext\@parafootnotetext
14979   \fi
14980   \let\@LTRfootnotetext\@paraLTRfootnotetext
14981   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
14982   \dimen\footinsv@1=\footinsdim
14983   \count\footinsv@1=1000\relax
14984   \let\@bidi@removexfootskip\@bidi@removexparafootskip
14985   \bidi@make@para@LTRfootgroup{v@1}%
14986   \m@make@para@footstart{v@1}%
14987   \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
14988   \let\@footstartv@1\@para@footstartv@1
14989   \if@RTL@footnote
14990     \let\@mpfootnotetext\m@mold@mpfootnotetext
14991   \else
14992     \let\@mpfootnotetext\@mpparafootnotetext
14993   \fi
14994   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14995   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
14996   \@bidi@after@Hy@hyperfootnotes
14997   \bidi@make@mppara@LTRfootgroup{v@1}%
14998   \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
14999   \g@addto@macro\@bidi@floathook{%
15000     \begingroup
15001       \LTRfoottextfont \@tempdima\normalbaselineskip
15002       \multiply \@tempdima \@ccclvi
15003       \@tempdimb \columnwidth
15004       \divide \@tempdimb \@ccclvi
15005       \divide \@tempdima \@tempdimb
15006       \xdef\footfudgefactor{\strip@pt\@tempdima}%
15007     \endgroup
15008   }
15009   \AtBeginDocument{%
15010     \begingroup
15011       \LTRfoottextfont
15012       \@tempdima\footnotesep
15013       \advance\@tempdima -\ht\strutbox
15014       \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15015       \advance\@tempdima.5\normalbaselineskip
15016       \bidi@xparaskip
15017       \xdef\@bidi@paraskip{\the\@tempdima\relax}%
15018     \endgroup
15019     \bidi@startparafootskip\footinsv@1
15020   }
15021   \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
15022 }
15023 \newcommand{\NormalRTLParaLTRFootnotes}{%
15024   \@namedef{foottextfontv@1}{\LTRfoottextfont}%
15025   \@bidi@before@Hy@hyperfootnotes

```




```

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

```



```

15080 {%
15081 \let\bidirTL@everypar\@empty%
15082 \def\baselinestretch{\m@m@footnote@spacing}%
15083 \reset@font\foottextfont
15084 \@preamfntext
15085 \protected@edef\@currentlabel{%
15086 \csname p@footnote\endcsname\@thefnmark}%
15087 \setbox0=\vbox{\hsize=\maxdimen
15088 \color@begingroup
15089 \noindent \@parafootfmt{#1}%
15090 \color@endgroup}%
15091 \m@mungebox}\m@mmf@prepare}
15092 \newcommand{\@Parafootnotetext}[1]{%
15093 \bidi@step@absolute@footnote@count
15094 \if@RTL@footnote
15095 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15096 \else
15097 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15098 \fi
15099 \global\setbox
15100 \if@RTL@footnote
15101 \footinsv@r
15102 \else
15103 \footinsv@l
15104 \fi
15105 \vbox{%
15106 \unvbox
15107 \if@RTL@footnote
15108 \footinsv@r
15109 \else
15110 \footinsv@l
15111 \fi
15112 \let\bidirTL@everypar\@empty%
15113 \def\baselinestretch{\m@m@footnote@spacing}%
15114 \reset@font\foottextfont
15115 \@preamfntext
15116 \protected@edef\@currentlabel{%
15117 \csname p@footnote\endcsname\@thefnmark}%
15118 \setbox0=\vbox{\hsize=\maxdimen
15119 \color@begingroup
15120 \noindent \@parafootfmt{#1}%
15121 \color@endgroup}%
15122 \m@mungebox}\m@mmf@prepare
15123 \if@RTL@footnote
15124 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15125 \else
15126 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15127 \fi
15128 }
15129 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
15130 \let\bidirTL@everypar\@empty%
15131 \def\baselinestretch{\m@m@footnote@spacing}%
15132 \reset@font\LTRfoottextfont
15133 \@preamfntext

```



```

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

```



```

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

```



```

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

```



```

15296 \noindent \@paraRTLfootfmt{#1}%
15297 \color@endgroup}%
15298 \m@ungebox}\m@mmf@prepare}
15299 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15300 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15301 \global\setbox\@mpfootinsv@r\vbox{%
15302 \unvbox\@mpfootinsv@r
15303 \let\bidi@RTL@everypar\@empty
15304 \def\baselinestretch{\m@m@footnote@spacing}%
15305 \reset@font\RTLfoottextfont
15306 \hsize\columnwidth \@parboxrestore
15307 \protected@edef\@currentlabel{%
15308 \csname p@mpfootnote\endcsname\@thefnmark}%
15309 \setbox0=\vbox{\hsize=\maxdimen
15310 \color@begingroup
15311 \noindent \@paraRTLfootfmt{#1}%
15312 \color@endgroup}%
15313 \m@ungebox}\m@mmf@prepare}
15314 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15315 \@namedef{@para@footgroup#1}{%
15316 \unvbox\@nameuse{footins#1}
15317 \@RTLtrue
15318 \m@mmakehboxofhboxes
15319 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15320 \hsize\bidi@columnwidth
15321 \@parboxrestore
15322 \def\baselinestretch{\m@m@footnote@spacing}%
15323 \@nameuse{foottextfont#1}%
15324 \noindent\unhbox0\par}}
15325 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15326 \@namedef{@para@LTRfootgroup#1}{%
15327 \unvbox\@nameuse{footins#1}
15328 \@RTLfalse
15329 \m@mmakehboxofhboxes
15330 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15331 \hsize\bidi@columnwidth
15332 \@parboxrestore
15333 \def\baselinestretch{\m@m@footnote@spacing}%
15334 \@nameuse{foottextfont#1}%
15335 \noindent\unhbox0\par}}
15336 \newcommand{\bidi@removexparafootskip}{%
15337 \advance\@tempskipa -\bidi@paraskip
15338 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15339 }
15340 \let\bidi@removexfootskip\relax
15341 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15342 \@namedef{@mppara@footgroup#1}{%
15343 \unvbox\@nameuse{@mpfootins#1}
15344 \@RTLtrue
15345 \m@mmakehboxofhboxes
15346 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15347 \def\baselinestretch{\m@m@footnote@spacing}%
15348 \@nameuse{foottextfont#1}%
15349 \noindent\unhbox0\par}}

```



```

15350 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15351 \@namedef{\mppara@LTRfootgroup#1}{%
15352   \unvbox\@nameuse{\mpfootins#1}
15353   \@RTLfalse
15354   \m@mmakehboxofhboxes
15355   \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15356   \def\baselinestretch{\m@m@footnote@spacing}%
15357   \@nameuse{\foottextfont#1}%
15358   \noindent\unhbox0\par}}
15359 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15360 \@namedef{\para@footstart#1}{%
15361   \leftskip=\z@
15362   \rightskip=\z@
15363   \parindent=\z@
15364   }%
15365 }
15366 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
15367   \xdef\@freelist{\@freelist\@midlist}%
15368   \global\let\@midlist\@empty
15369   \@combinefloats}
15370 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
15371   \ifvbox\@kludgeins
15372     \@makespecialcolbox
15373   \else
15374     \setbox\@outputbox \vbox to\@colht{%
15375       \@texttop
15376       \dimen@ \dp\@outputbox
15377       \unvbox \@outputbox
15378       \vskip -\dimen@
15379       \@textbottom}%
15380   \fi}
15381 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
15382 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
15383   \boxmaxdepth\@maxdepth
15384   \@tempdima\dp\@cclv
15385   \unvbox\@cclv
15386   \vskip-\@tempdima
15387   \bidi@mopfn@bottom
15388   \vskip \skip\footins
15389   \color@begingroup
15390     \normalcolor
15391     \footnoterule
15392     \unvbox \footins
15393   \color@endgroup
15394   }%
15395 }
15396 \newcommand*{\bidi@mopfootnotebf}{%
15397   \setbox\@outputbox \vbox{%
15398     \boxmaxdepth\@maxdepth
15399     \unvbox\@outputbox
15400     \bidi@mopfn@bottom
15401     \vskip\skip\footins
15402     \color@begingroup
15403     \normalcolor

```



```

15404 \footnoterule
15405 \unvbox \footins
15406 \color@endgroup
15407 }%
15408 }
15409 \gdef\mem@makecol{%
15410 \m@m@makecolintro
15411 \m@mndoextrafeet
15412 \ifvoid\footins
15413 \setbox\@outputbox \box\@cclv
15414 \else
15415 \m@mopfootnote
15416 \fi
15417 \m@m@makecolfloats
15418 \m@m@makecoltext
15419 \global \maxdepth \@maxdepth}
15420 \gdef\bidi@makecolbf{%
15421 \m@m@makecolintro
15422 \m@mndoextrafeet
15423 \setbox\@outputbox \box\@cclv
15424 \m@m@makecolfloats
15425 \ifvoid\footins
15426 \else
15427 \bidi@mopfootnotebf
15428 \fi
15429 \m@m@makecoltext
15430 \global \maxdepth \@maxdepth}
15431 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15432 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15433 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
15434 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
15435 \FeetAboveFloat
15436 \FeetBelowRagged
15437 \def\bidi@reinserts#1{\ifvoid#1\else
15438 \ifnum\count\@currbox>\z@
15439 \advance\@pageht \ht#1%
15440 \advance\@pageht \skip#1%
15441 \advance\@pageht \dp#1%
15442 \fi
15443 \insert#1{\unvbox#1}%
15444 \fi
15445 }
15446 \def\bidi@init@multi@footins#1{%
15447 \multiply\count#1\col@number
15448 \multiply\skip#1\col@number
15449 }
15450 \def\bidi@reinsert@footnotes#1{\ifvoid#1\else
15451 \insert#1{}\fi}
15452 \AtBeginDocument{%
15453 \bidi@preto\@doclearpage\m@mndoextrafeet
15454 \g@addto@macro\@reinserts{%
15455 \bidi@reinserts\footinsv@r
15456 \bidi@reinserts\footinsv@l
15457 }

```




```

15458 \bidi@floathook
15459 \g@addto@macro\@floatplacement{%
15460   \bidi@ifmulticol{}\bidi@floathook}%
15461 }%
15462 \if@bidi@csundef{multi@column@out}{%
15463   \@onlypreamble\bidi@init@multi@footins
15464   \let\bidi@ifmulticol\@secondoftwo
15465 }{%
15466   \bidi@preto\multi@column@out\m@doextrafeet
15467   \g@addto@macro\init@mult@footins{%
15468     \bidi@init@multi@footins\footinsv@r
15469     \bidi@init@multi@footins\footinsv@l
15470   }%
15471   \g@addto@macro\reinsert@footnotes{%
15472     \bidi@reinsert@footnotes\footinsv@r
15473     \bidi@reinsert@footnotes\footinsv@l
15474   }%
15475 }%
15476 }

```

87 File extreport-xetex-bidi.def

```

15477 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
15478 \renewcommand*\l@part[2]{%
15479   \ifnum \c@tocdepth >-2\relax
15480     \addpenalty{-\@highpenalty}%
15481     \addvspace{2.25em \@plus\p@}%
15482     \begingroup
15483       \setlength\@tempdima{3em}%
15484       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15485       \parfillskip -\@pnumwidth
15486       {\leavevmode
15487         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15488       \nobreak
15489       \global\@nobreaktrue
15490       \everypar{\global\@nobreakfalse\everypar{}}%
15491     \endgroup
15492   \fi}
15493 \renewcommand*\l@chapter[2]{%
15494   \ifnum \c@tocdepth >\m@ne
15495     \addpenalty{-\@highpenalty}%
15496     \vskip 1.0em \@plus\p@
15497     \setlength\@tempdima{1.5em}%
15498     \begingroup
15499       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15500       \parfillskip -\@pnumwidth
15501       \leavevmode \bfseries
15502       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15503       \hskip -\if@RTL\rightskip\else\leftskip\fi
15504       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15505       \penalty\@highpenalty
15506     \endgroup
15507   \fi}
15508 \def\@makechapterhead#1{%

```



```

15509 \vspace*{50\p@}%
15510 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15511 \ifnum \c@secnumdepth >\m@ne
15512 \huge\bfseries \@chapapp\space \thechapter
15513 \par\nobreak
15514 \vskip 20\p@
15515 \fi
15516 \interlinepenalty\@M
15517 \Huge \bfseries #1\par\nobreak
15518 \vskip 40\p@
15519 }}
15520 \def\@makeschapterhead#1{%
15521 \vspace*{50\p@}%
15522 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15523 \normalfont
15524 \interlinepenalty\@M
15525 \Huge \bfseries #1\par\nobreak
15526 \vskip 40\p@
15527 }}
15528 \renewcommand\left@footnoterule{%
15529 \kern-3\p@
15530 \hrule\@width.4\columnwidth
15531 \kern2.6\p@}
15532 \renewcommand\right@footnoterule{%
15533 \kern-3\p@
15534 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15535 \kern2.6\p@}
15536 \renewenvironment{thebibliography}[1]
15537 {\chapter*{\bibname
15538 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15539 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15540 \bidi@thebibliography@font@hook%
15541 \list{\@biblabel{\@arabic\c@enumiv}}%
15542 {\settowidth\labelwidth{\@biblabel{#1}}%
15543 \leftmargin\labelwidth
15544 \advance\leftmargin\labelsep
15545 \@openbib@code
15546 \usecounter{enumiv}%
15547 \let\p@enumiv\@empty
15548 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15549 \sloppy\clubpenalty4000\widowpenalty4000%
15550 \sfcode\.\@m}
15551 {\def\@noitemerr
15552 {\@latex@warning{Empty `thebibliography' environment}}}%
15553 \endlist}
15554 \if@titlepage
15555 \renewcommand\maketitle{\begin{titlepage}%
15556 \let\footnotesize\small
15557 \let\right@footnoterule\relax
15558 \let\left@footnoterule\relax
15559 \let\textwidth\footnoterule\relax
15560 \let \footnote \thanks
15561 \null\vfil
15562 \vskip 60\p@

```



```

15563 \begin{center}%
15564   {\LARGE \@title \par}%
15565   \vskip 3em%
15566   {\large
15567     \lineskip .75em%
15568     \begin{tabular}[t]{c}%
15569       \@author
15570     \end{tabular}\par}%
15571   \vskip 1.5em%
15572   {\large \@date \par}%           % Set date in \large size.
15573 \end{center}\par
15574 \@thanks
15575 \vfil\null
15576 \end{titlepage}%
15577 \setcounter{footnote}{0}%
15578 \global\let\thanks\relax
15579 \global\let\maketitle\relax
15580 \global\let\@thanks\@empty
15581 \global\let\@author\@empty
15582 \global\let\@date\@empty
15583 \global\let\@title\@empty
15584 \global\let\title\relax
15585 \global\let\author\relax
15586 \global\let\date\relax
15587 \global\let\and\relax
15588 }
15589 \else
15590 \renewcommand\maketitle{\par
15591   \begingroup
15592     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15593     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15594     \long\def\@makefntext##1{\parindent 1em\noindent
15595       \hb@xt@1.8em{%
15596         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15597     \if@twocolumn
15598       \ifnum \col@number=\@ne
15599         \@maketitle
15600       \else
15601         \twocolumn[\@maketitle]%
15602       \fi
15603     \else
15604       \newpage
15605       \global\@topnum\z@   % Prevents figures from going at top of page.
15606       \@maketitle
15607     \fi
15608     \thispagestyle{plain}\@thanks
15609   \endgroup
15610   \setcounter{footnote}{0}%
15611   \global\let\thanks\relax
15612   \global\let\maketitle\relax
15613   \global\let\@maketitle\relax
15614   \global\let\@thanks\@empty
15615   \global\let\@author\@empty
15616   \global\let\@date\@empty

```



```

15617 \global\let\@title\@empty
15618 \global\let\title\relax
15619 \global\let\author\relax
15620 \global\let\date\relax
15621 \global\let\and\relax
15622 }
15623 \def\@maketitle{%
15624 \newpage
15625 \null
15626 \vskip 2em%
15627 \begin{center}%
15628 \let \footnote \thanks
15629 {\LARGE \@title \par}%
15630 \vskip 1.5em%
15631 {\large
15632 \lineskip .5em%
15633 \begin{tabular}[t]{c}%
15634 \@author
15635 \end{tabular}\par}%
15636 \vskip 1em%
15637 {\large \@date}%
15638 \end{center}%
15639 \par
15640 \vskip 1.5em}
15641 \fi
15642 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15643 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15644 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15645 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15646 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15647 \renewcommand\theequation{%
15648 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15649 \renewcommand\thefigure{%
15650 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
15651 \renewcommand\thetable{%
15652 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

88 File fancybox-xetex-bidi.def

```

15653 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15654 \def\fancy@oval#1#2#3{%
15655 \boxmaxdepth \maxdimen
15656 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
15657 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15658 \@ovxx#1\relax
15659 \advance\@ovxx-\@wholewidth
15660 \@ovyy#2\relax
15661 \advance\@ovyy-\@wholewidth
15662 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
15663 \advance\@tempdimb-2\p@
15664 \ifdim\@tempdimb>\the@cornersize\relax
15665 \@tempdimb=\the@cornersize
15666 \fi
15667 \@getcirc\@tempdimb

```



```

15668 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
15669 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
15670 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
15671 \@circlefnt
15672 \setbox\@tempboxa\hbox{\beginL%
15673   \if@ovr \@ovvert32\kern -\@tempdima \fi
15674   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15675   \if@ovt \@ovhorz \kern -\@ovxx \fi
15676   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
15677 \advance\@ovdx\@ovro
15678 \advance\@ovdy\@ovro
15679 \advance\@ovxx\@wholewidth
15680 \wd\@tempboxa=\@ovxx
15681 \dp\@tempboxa=\z@}

```

89 File fancyhdr-xetex-bidi.def

```

15682 \ProvidesFile{fancyhdr-xetex-bidi.def}[2025/09/03 v1.0 bidi adaptations for fancyhdr package]
15683
15684 \let\f@nch@everypar\everypar
15685
15686 \def\f@nch@parbox@align@hl{\def\f@nch@align@h{\bidi@raggedright}}
15687 \def\f@nch@parbox@align@hr{\def\f@nch@align@h{\bidi@raggedleft}}
15688

```

90 File fix2col-xetex-bidi.def

```

15689 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15690 \def\RTL@outputdblcol{%
15691   \if@firstcolumn
15692     \global\@firstcolumnfalse
15693     \global\setbox\@leftcolumn\copy\@outputbox
15694     \splitmaxdepth\maxdimen
15695     \vbadness\maxdimen
15696     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15697     \toks@{\expandafter{\topmark}}%
15698     \xdef\@firstcoltopmark{\the\toks@}%
15699     \toks@\expandafter{\splitfirstmark}%
15700     \xdef\@firstcolfirstmark{\the\toks@}%
15701     \ifx\@firstcolfirstmark\@empty
15702       \global\let\@setmarks\relax
15703     \else
15704       \gdef\@setmarks{%
15705         \let\firstmark\@firstcolfirstmark
15706         \let\topmark\@firstcoltopmark}%
15707     \fi
15708 \else \global\@firstcolumntrue
15709 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15710 \hskip \columnwidth
15711 \hfil \vrule width\columnseprule \hfil
15712 \hbox to\columnwidth {%
15713 \bidi@firstcolumn@status@write%
15714 \box\@leftcolumn \hss}%
15715 \hskip -\textwidth

```



```

15716 \hbox to\columnwidth{%
15717 \bidi@lastcolumn@status@write%
15718 \box\@outputbox \hss}%
15719 \hskip \columnsep
15720 \hskip \columnwidth }}%
15721 \@combinedblfloats \@setmarks \@outputpage
15722 \begingroup \@dblfloatplacement \@startdblcolumn
15723 \@whiles\if@fcolmade \fi
15724 {\@outputpage \@startdblcolumn }\endgroup
15725 \fi}
15726 \def\LTR@outputdblcol{%
15727 \if@firstcolumn
15728 \global\@firstcolumnfalse
15729 \global\setbox\@leftcolumn\copy\@outputbox
15730 \splitmaxdepth\maxdimen
15731 \vbadness\maxdimen
15732 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15733 \toks@\expandafter{\topmark}%
15734 \xdef\@firstcoltopmark{\the\toks@}%
15735 \toks@\expandafter{\splitfirstmark}%
15736 \xdef\@firstcolfirstmark{\the\toks@}%
15737 \ifx\@firstcolfirstmark\@empty
15738 \global\let\@setmarks\relax
15739 \else
15740 \gdef\@setmarks{%
15741 \let\firstmark\@firstcolfirstmark
15742 \let\topmark\@firstcoltopmark}%
15743 \fi
15744 \else
15745 \global\@firstcolumntrue
15746 \setbox\@outputbox\vbox{%
15747 \hb@xt@\textwidth{%
15748 \hb@xt@\columnwidth{%
15749 \bidi@firstcolumn@status@write%
15750 \box\@leftcolumn \hss}%
15751 \hfil
15752 \vrule \@width\columnseprule
15753 \hfil
15754 \hb@xt@\columnwidth{%
15755 \bidi@lastcolumn@status@write%
15756 \box\@outputbox \hss}}}%
15757 \@combinedblfloats
15758 \@setmarks
15759 \@outputpage
15760 \begingroup
15761 \@dblfloatplacement
15762 \@startdblcolumn
15763 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
15764 \endgroup
15765 \fi}

```

91 File fleqn-xetex-bidi.def

```

15766 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX

```



```

15767 \DeclareRobustCommand\{\relax
15768         \ifmmode\@badmath
15769         \else
15770             \begin{trivlist}%
15771                 \@beginparpenalty\predisplaypenalty
15772                 \@endparpenalty\postdisplaypenalty
15773                 \item[]\leavevmode
15774                 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
15775                 \hskip\mathindent\bgroup
15776             \fi}
15777 \DeclareRobustCommand\}\relax
15778         \ifmmode
15779             \egroup $\hfil% $
15780             \endL\egroup
15781             \end{trivlist}%
15782         \else \@badmath
15783         \fi}
15784 \renewenvironment{equation}%
15785     {\@beginparpenalty\predisplaypenalty
15786     \@endparpenalty\postdisplaypenalty
15787     \refstepcounter{equation}%
15788     \trivlist \item[]\leavevmode
15789     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
15790     \displaystyle
15791     \hskip\mathindent}%
15792     {$\hfil % $
15793     \displaywidth\linewidth\hbox{\@eqnnum}%
15794     \endL\egroup
15795     \endtrivlist}

```

92 File float-xetex-bidi.def

```

15796 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
15797 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15798 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15799 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15800 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
15801     \expandafter\edef\csname the#1\endcsname{%
15802     \expandafter\noexpand\csname
15803     the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15804     {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

93 File floatrow-xetex-bidi.def

```

15805 \ProvidesFile{floatrow-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for floatrow package
15806 \RequirePackage{color}
15807 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
15808     \expandafter\edef\csname theFB@captype\endcsname{%
15809     \expandafter\noexpand\csname
15810     the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}%

```

94 File flowfram-xetex-bidi.def

```

15811 \ProvidesFile{flowfram-xetex-bidi.def}[2025/01/03 v0.6 bidi adaptations for flowfram package

```



```

15812 \def\@outputdblcol{%
15813 \@nxtcol=\c@thisframe
15814 \c@curpg=\c@page
15815 \@g@tnextcol{\@nxtcol}%
15816 \if@ff@nwpg % next flow frame starts on new page
15817 \global\@firstcolumntrue
15818 \setcolbox\c@thisframe
15819 \if@specialpage
15820 \global\@specialpagefalse
15821 \nameuse{ps@\@specialstyle}\relax
15822 \fi
15823 \if@twoside
15824 \ifodd\count\z@
15825 \let\@thehead\@oddhead
15826 \let\@thefoot\@oddfoot
15827 \else
15828 \let\@thehead\@evenhead
15829 \let\@thefoot\@evenfoot
15830 \fi
15831 \else
15832 \let\@thehead\@oddhead
15833 \let\@thefoot\@oddfoot
15834 \fi
15835 \@begindvi
15836 \@dynamicthehead\@dynamicthefoot
15837 \vbadness=\@M
15838 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
15839 \@combinedblfloats
15840 \@outputpage
15841 \advance\c@curpg by -\c@page\relax
15842 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
15843 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
15844 \@outputpage}
15845 \begingroup
15846 \dblfloatplacement
15847 \startdblcolumn
15848 \@whilesw \if@fcolmade \fi
15849 {\@outputpage \@startdblcolumn }\endgroup
15850 \resetst@tics
15851 \resetdyn@mics
15852 \else % still on same page, save contents of box255
15853 \global\@firstcolumnfalse
15854 \setcolbox\c@thisframe
15855 \fi
15856 \global\c@thisframe=\@nxtcol
15857 \setcol{\c@thisframe}\relax
15858 \global\@colht\vsiz
15859 }
15860 \def\@outputpage{%
15861 \begingroup
15862 \let\protect\noexpand
15863 \resetactivechars
15864 \global\let\@if@newlist@if@newlist
15865 \global\@newlistfalse\@parboxrestore

```




```

15866 \global\let\bidibeforeoutputpageshipout\@firstofone
15867 \bidibeforeoutputpageshipouthook
15868 \shipout\vbox{\set@typeset@protect
15869   \aftergroup
15870   \endgroup
15871   \aftergroup
15872   \set@typeset@protect
15873   \reset@font\normalsize
15874   \bidifont@@outputpage
15875   \normalsfcodes
15876   \let\label\@gobble
15877   \let\index\@gobble
15878   \let\glossary\@gobble
15879   \baselineskip\z@skip
15880   \lineskip\z@skip
15881   \lineskiplimit\z@
15882   \vskip\topmargin\moveright\@themargin
15883   \vbox{%
15884     \global\let\bidibeforeheader\@firstofone
15885     \bidibeforeheaderhook
15886     \vskip\headheight
15887     \vskip\headsep
15888     \global\let\bidibeforeoutputboxoutputpage\@firstofone
15889     \bidibeforeoutputboxoutputpagehook
15890     \box\@outputbox
15891     \global\let\bidiafteroutputboxoutputpage\@firstofone
15892     \bidiafteroutputboxoutputpagehook
15893   }%
15894 \global\let\bidiafteroutputpageshipout\@firstofone
15895 \bidiafteroutputpageshipouthook
15896 \global\let\if@newlist\@if@newlist
15897 \stepcounter{page}%
15898 \setcounter{displayedframe}{0}%
15899 \let\firstmark\botmark
15900 \global\let\bidiatendoutputpage\@firstofone
15901 \bidiatendoutputpagehook
15902 }
15903
15904
15905 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
15906 \expandafter\bidicolor\ff@txtcol}}
15907
15908 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
15909 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
15910
15911
15912 \renewcommand*\@docolbox}[1]{%
15913 \edef\ff@frametype{%
15914 \csname @ff@frametype@\romannumeral#1\endcsname}%
15915 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
15916 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
15917 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
15918 \@ff@setoffset{#1}%
15919 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%

```



```

15920 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
15921 \@@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
15922 {\csname colheight\romannumeral#1\endcsname}{%
15923 \expandafter\box\csname column\romannumeral#1\endcsname}{%
15924 \csname\ff@frametype\endcsname}%
15925 }{%
15926 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
15927 {\csname colheight\romannumeral#1\endcsname}{%
15928 \expandafter\box\csname column\romannumeral#1\endcsname}%
15929 }}}
15930 \IfClassLoadedT{book}{%
15931 \renewcommand\theequation
15932 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15933 \renewcommand \thefigure
15934 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15935 \renewcommand \thetable
15936 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15937 \renewcommand \thechapter {\@arabic\c@chapter}
15938 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15939 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15940 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15941 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15942 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}
15943 \IfClassLoadedT{report}{%
15944 \renewcommand\theequation
15945 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15946 \renewcommand \thefigure
15947 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15948 \renewcommand \thetable
15949 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15950 \renewcommand \thechapter {\@arabic\c@chapter}
15951 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15952 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15953 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15954 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15955 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}
15956 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
15957 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
15958 \else
15959 #2\relax
15960 \fi}

```

95 File fnpct-xetex-bidi.def

```

15961 \ProvidesFile{fnpct-xetex-bidi.def}[2025/09/10 v0.1 bidi adaptations for fnpct package for X
15962 \@ifclassloaded{beamer}
15963 {
15964 \AdaptNote \footnote{d<>o+m} [\beamer@mpfn]
15965 {
15966 \IfNoValueTF{#1}
15967 {\IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[#2]{#3}}}
15968 {\IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[#2]{#3}}}
15969 }
15970 \AdaptNote \RTLfootnote{d<>o+m} [\beamer@mpfn]

```



```

15971      {
15972        \IfNoValueTF{#1}
15973          {\IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[2]{#3}}}
15974          {\IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[2]{#3}}}
15975      }
15976      \AdaptNote \LTRfootnote{d<+m} [\beamer@mpfn]
15977      {
15978        \IfNoValueTF{#1}
15979          {\IfNoValueTF{#2}{#NOTE{#3}}{#NOTE[2]{#3}}}
15980          {\IfNoValueTF{#2}{#NOTE<#1>{#3}}{#NOTE<#1>[2]{#3}}}
15981      }
15982    }
15983    {
15984      \AdaptNote \RTLfootnote {o+m} [\@mpfn]
15985      { \IfNoValueTF {#1} {#NOTE{#2}} {#NOTE[1]{#2}} }
15986      \AdaptNote \LTRfootnote {o+m} [\@mpfn]
15987      { \IfNoValueTF {#1} {#NOTE{#2}} {#NOTE[1]{#2}} }
15988    }

```

96 File footnote-xetex-bidi.def

```

15989 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine]
15990 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
15991 \newif\ifbidi@autofooterule
15992 \def\bidi@mpfootnoterule{\footnoterule}
15993 \newcounter{footdir@label}
15994 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
15995 \newcommand*{\footdir@write}{%
15996   \stepcounter{footdir@label}%
15997   \zref@labelbyprops{\thefootdir@label}{abspage}%
15998 }
15999 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
16000 \newtoks\footdir@toks
16001 \newcommand*{\footdir@debug}[1]{%
16002   \iffootdir@debug
16003     \typeout{[footdir] #1}%
16004   \fi
16005 }
16006 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
16007 %  \newcommand*{\footdir@LeftRightElse}{%
16008 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
16009 %      \footdir@debug{abspage \the\value{zabspage}: else}%
16010 %      \ltx@thirdofthree
16011 %    }{%
16012 %      \if\csname footdir@the\value{zabspage}\endcsname L%
16013 %        \footdir@debug{abspage \the\value{zabspage}: left}%
16014 %        \expandafter\ltx@firstofthree
16015 %      \else
16016 %        \footdir@debug{abspage \the\value{zabspage}: right}%
16017 %        \expandafter\ltx@secondofthree
16018 %      \fi
16019 %    }%
16020 %  }%
16021 %}{%

```



```

16022 \providecommand*{\c@zabspage}{\c@abspage}%
16023 \newcommand*{\footdir@LeftRightElse}{%
16024   \footdir@write
16025   \zifrefundefined{\thefootdir@label}{%
16026     \footdir@debug{abspage ??: else}%
16027     \ltx@thirdofthree
16028   }{%
16029     \edef\footdir@abspage{%
16030       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
16031     }%
16032     \ltx@ifundefined{footdir@\footdir@abspage}{%
16033       \footdir@debug{\footdir@abspage: else}%
16034       \ltx@thirdofthree
16035     }{%
16036       \if\csname footdir@\footdir@abspage\endcsname L%
16037         \footdir@debug{\footdir@abspage: left}%
16038         \expandafter\ltx@firstofthree
16039       \else
16040         \footdir@debug{\footdir@abspage: right}%
16041         \expandafter\ltx@secondofthree
16042       \fi
16043     }%
16044   }%
16045 }%
16046 %}
16047 \newcommand*{\footdir@fntext}[1]{%
16048   \zifrefundefined{\thefootdir@label}{%
16049     }{%
16050       \edef\footdir@name{%
16051         footdir\zref@extractdefault{\thefootdir@label}{abspage}{0}%
16052       }%
16053       \@ifundefined{footdir@name}{%
16054         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
16055       }{}%
16056     }%
16057 }
16058
16059 \newcommand*{\footdir@temp}[3]{%
16060   \@ifdefinable{#1}{%
16061     \let#1#2%
16062     \renewcommand{#2}[1]{%
16063       \footdir@write
16064       \footdir@fntext{#3}%
16065       \stepcounter{footdir@label}%
16066       \footdir@fntext{#3}%
16067       \footdir@toks{##1}%
16068       \footdir@toks\expandafter{%
16069         \the\expandafter\footdir@toks
16070         \expandafter
16071         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
16072       }%
16073       \expandafter#1\expandafter{\the\footdir@toks}%
16074     }%
16075   }%

```



```

16076 }
16077
16078 \def\right@footnoterule{%
16079   \kern-3\p@
16080   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16081   \kern2.6\p@}
16082 \def\left@footnoterule{\kern-3\p@
16083   \hrule \@width .4\columnwidth \kern 2.6\p@}
16084 \def\textwidth@footnoterule{\kern-3\p@
16085   \hrule \@width \columnwidth \kern 2.6\p@}
16086 \def\leftfootnoterule{%
16087   \bidi@autofootnoterulefalse%
16088   \def\footnoterule{\left@footnoterule}}
16089 \let\LRfootnoterule=\leftfootnoterule
16090 \def\rightfootnoterule{%
16091   \bidi@autofootnoterulefalse%
16092   \def\footnoterule{\right@footnoterule}}
16093 \def\textwidthfootnoterule{%
16094   \bidi@autofootnoterulefalse%
16095   \def\footnoterule{\textwidth@footnoterule}}
16096
16097
16098
16099 \def\auto@footnoterule{%
16100   \footdir@LeftRightElse%
16101   \left@footnoterule%
16102   \right@footnoterule%
16103   \left@footnoterule%
16104 }
16105
16106
16107
16108 \def\autofootnoterule{%
16109   \bidi@autofootnoteruletrue%
16110   \def\footnoterule{\auto@footnoterule}%
16111 }
16112
16113 \newcommand*\SplitFootnoteRule{%
16114   \gdef\split@prev{0}
16115   \let\pagefootnoterule\footnoterule
16116   \let\mpfootnoterule\footnoterule
16117   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16118   \def\footnoterule{\relax
16119     \ifx \@listdepth\@mplistdepth
16120       \mpfootnoterule
16121     \else
16122       \ifnum\split@prev=\z@
16123         \pagefootnoterule
16124       \else
16125         \splitfootnoterule
16126       \fi
16127       \xdef\split@prev{\the\insertpenalties}%
16128     \fi
16129   }%

```



```

16130 }
16131
16132
16133
16134
16135 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
16136     \protected@xdef\@thefnmark{\thempfn}%
16137     \@footnotemark\@RTLfootnotetext}}
16138 \def\@xRTLfootnote[#1]{%
16139     \begingroup
16140     \csname c@\@mpfn\endcsname #1\relax
16141     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16142     \endgroup
16143     \@footnotemark\@RTLfootnotetext}
16144 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
16145     \protected@xdef\@thefnmark{\thempfn}%
16146     \@footnotemark\@LTRfootnotetext}}
16147 \def\@xLTRfootnote[#1]{%
16148     \begingroup
16149     \csname c@\@mpfn\endcsname #1\relax
16150     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16151     \endgroup
16152     \@footnotemark\@LTRfootnotetext}
16153
16154
16155 \def\setfootnoteRL{\@RTL@footnotetrue}
16156 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16157 \def\setfootnoteLR{\unsetfootnoteRL}
16158
16159 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
16160 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
16161 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
16162
16163 \long\def\@footnotetext#1{\insert\footins{%
16164     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
16165     \reset@font%
16166     \bidi@footnotetext@font% \reset@font\footnotesize
16167     \interlinepenalty\interfootnotelinepenalty
16168     \splittopskip\footnotesep
16169     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16170     \hsize\columnwidth \@parboxrestore
16171     \protected@edef\@currentlabel{%
16172         \csname p@footnote\endcsname\@thefnmark
16173     }%
16174     \color@begingroup
16175     \@makefnintext{%
16176         \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
16177     \color@endgroup}}%
16178
16179
16180 \long\def\@RTLfootnotetext#1{\insert\footins{%
16181     \@RTLtrue%
16182     \reset@font%
16183     \bidi@RTLfootnotetext@font% \reset@font\footnotesize

```



```

16184 \interlinepenalty\interfootnotelinepenalty
16185 \splittopskip\footnotesep
16186 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16187 \hsize\columnwidth \@parboxrestore
16188 \protected@edef\@currentlabel{%
16189 \csname p@footnote\endcsname\@thefnmark
16190 }%
16191 \color@begingroup
16192 \makefntext{%
16193 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16194 \color@endgroup}}%
16195
16196 \long\def\@LTRfootnotetext#1{\insert\footins{%
16197 \RTLfalse%
16198 \reset@font%
16199 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16200 \interlinepenalty\interfootnotelinepenalty
16201 \splittopskip\footnotesep
16202 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16203 \hsize\columnwidth \@parboxrestore
16204 \protected@edef\@currentlabel{%
16205 \csname p@footnote\endcsname\@thefnmark
16206 }%
16207 \color@begingroup
16208 \makefntext{%
16209 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16210 \color@endgroup}}%
16211
16212 \AtBeginDocument{%
16213 \if@RTL@footnote
16214 \newcommand*{\bidi@footdir@footnote}{R}
16215 \else
16216 \newcommand*{\bidi@footdir@footnote}{L}
16217 \fi%
16218 }
16219
16220 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16221 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16222 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
16223
16224 \long\def\@mpRTLfootnotetext#1{%
16225 \ifbidi@autofooterule@ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
16226 \global\setbox\@mpfootins\vbox{%
16227 \unvbox\@mpfootins
16228 \RTLtrue
16229 \reset@font%
16230 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16231 \hsize\columnwidth
16232 \@parboxrestore
16233 \protected@edef\@currentlabel
16234 {\csname p@mpfootnote\endcsname\@thefnmark}%
16235 \color@begingroup
16236 \makefntext{%
16237 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%

```



```

16238     \color@endgroup}}
16239 \long\def\@mpLTRfootnotetext#1{%
16240   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
16241     \global\setbox\@mpfootins\vbox{%
16242       \unvbox\@mpfootins
16243       \RTLfalse
16244       \reset@font%
16245       \bidi@LTRfootnotetext@font% \reset@font\footnotesize
16246       \hsize\columnwidth
16247       \@parboxrestore
16248       \protected@edef\@currentlabel
16249         {\csname p@mpfootnote\endcsname\@thefnmark}%
16250       \color@begingroup
16251         \makefntext{%
16252           \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
16253         \color@endgroup}}
16254 \long\def\@mpfootnotetext#1{%
16255   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnote
16256     \global\setbox\@mpfootins\vbox{%
16257       \unvbox\@mpfootins
16258       \ifRTL@footnote\RTLtrue\else\RTLfalse\fi
16259       \reset@font%
16260       \bidi@footnotetext@font% \reset@font\footnotesize
16261       \hsize\columnwidth
16262       \@parboxrestore
16263       \protected@edef\@currentlabel
16264         {\csname p@mpfootnote\endcsname\@thefnmark}%
16265       \color@begingroup
16266         \makefntext{%
16267           \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}%
16268         \color@endgroup}}
16269 \def\@iiminipage#1#2[#3]#4{%
16270   \leavevmode
16271   \@pboxswfalse
16272   \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16273   \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16274   \setlength\@tempdima{#4}%
16275   \def\@mpargs{#1}{#2}#3{#4}}%
16276   \setbox\@tempboxa\vbox\bgroup
16277     \color@begingroup
16278       \hsize\@tempdima
16279       \textwidth\hsize \columnwidth\hsize
16280       \@parboxrestore
16281       \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16282       \let\@footnotetext\@mpfootnotetext
16283       \let\@LTRfootnotetext\@mpLTRfootnotetext
16284       \let\@RTLfootnotetext\@mpRTLfootnotetext
16285       \let\@listdepth\@mplistdepth \@mplistdepth\z@
16286       \@minipagerestore
16287       \setminipage}
16288 \def\endminipage{%
16289   \par
16290   \unskip
16291   \ifvoid\@mpfootins\else

```




```

16292 \vskip\skip\@mpfootins
16293 \normalcolor
16294 \bidi@mpfootnoterule
16295 \unvbox\@mpfootins
16296 \fi
16297 \@minipagefalse %% added 24 May 89
16298 \color@endgroup
16299 \egroup
16300 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
16301 \def\LTRthanks#1{\footnotemark
16302 \protected@xdef\@thanks{\@thanks
16303 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16304 }
16305 \def\LTRfootnotetext{%
16306 \@ifnextchar [\@xLTRfootnotenext
16307 {\protected@xdef\@thefnmark{\thempfn}%
16308 \@LTRfootnotetext}}
16309 \def\@xLTRfootnotenext[#1]{%
16310 \begingroup
16311 \csname c@\@mpfn\endcsname #1\relax
16312 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16313 \endgroup
16314 \@LTRfootnotetext}
16315 \def\RTLthanks#1{\footnotemark
16316 \protected@xdef\@thanks{\@thanks
16317 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16318 }
16319 \let\@thanks\@empty
16320 \def\RTLfootnotetext{%
16321 \@ifnextchar [\@xRTLfootnotenext
16322 {\protected@xdef\@thefnmark{\thempfn}%
16323 \@RTLfootnotetext}}
16324 \def\@xRTLfootnotenext[#1]{%
16325 \begingroup
16326 \csname c@\@mpfn\endcsname #1\relax
16327 \unrestored@protected@xdef\@thefnmark{\thempfn}%
16328 \endgroup
16329 \@RTLfootnotetext}
16330 \leftfootnoterule

```

97 File footnotebackref-xetex-bidi.def

```

16331 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16332 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16333 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16334
16335 \renewcommand*\LTRfootnote{%
16336 \refstepcounter{BackrefHyperFootnoteCounter}%
16337 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16338 \label{\BackrefFootnoteTag}%
16339 \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
16340
16341 \renewcommand*\RTLfootnote{%
16342 \refstepcounter{BackrefHyperFootnoteCounter}%

```



```

16343 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16344 \label{\BackrefFootnoteTag}%
16345 \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
16346 \newcommand\Backref@HyperLTRFootnote[1]{%
16347 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16348
16349 \newcommand\Backref@HyperRTLFootnote[1]{%
16350 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
16351
16352 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16353 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16354
16355 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16356 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16357
16358 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16359 \ifFootnoteBackref@numberlinked
16360 \renewcommand{\footfootmark}{%
16361 \ifdim\footmarkwidth < \z@
16362 \llap{\hb@xt@ -\footmarkwidth{%
16363 \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16364 \hspace*{-\footmarkwidth}}}%
16365 \else
16366 \ifdim\footmarkwidth = \z@
16367 {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16368 \else
16369 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
16370 \fi
16371 \fi}
16372 \renewcommand{\LTRfootfootmark}{%
16373 \ifdim\footmarkwidth < \z@
16374 \llap{\hb@xt@ -\footmarkwidth{%
16375 \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16376 \hspace*{-\footmarkwidth}}}%
16377 \else
16378 \ifdim\footmarkwidth = \z@
16379 {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16380 \else
16381 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
16382 \fi
16383 \fi}
16384 \renewcommand{\RTLfootfootmark}{%
16385 \ifdim\footmarkwidth < \z@
16386 \llap{\hb@xt@ -\footmarkwidth{%
16387 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16388 \hspace*{-\footmarkwidth}}}%
16389 \else
16390 \ifdim\footmarkwidth = \z@
16391 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16392 \else
16393 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
16394 \fi
16395 \fi}
16396 \fi

```



16397 }

98 File framed-xetex-bidi.def

```
16398 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
16399 \renewcommand\TitleBarFrame[3][\begingroup
16400 \ifx\delimiter#1\delimiter
16401 \let\TF@conlab\@empty
16402 \else
16403 \def\TF@conlab{% continuation label
16404 \nointerlineskip
16405 \smash{\rlap{\kern\wd\@tempboxa\kern\fb@rule\kern\fb@sep #1}}}%
16406 \fi
16407 %\let\TF@savecolor\current@color
16408 \textcolor{TF@FrameColor}{%
16409 \CustomFBox
16410 {\TF@Title{#2}}{\TF@conlab}}%
16411 \fb@rule\fb@rule\fb@rule\fb@rule
16412 %{\let\current@color\TF@savecolor\set@color #3}%
16413 {\normalcolor #3}%
16414 }\endgroup
16415 }
16416 \renewenvironment{titled-frame}[1]{%
16417 \def\FrameCommand{\fb@sep8pt\fb@rule2pt
16418 \TitleBarFrame{\textbf{#1}}}%
16419 \def\FirstFrameCommand{\fb@sep8pt\fb@rule2pt
16420 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
16421 \def\MidFrameCommand{\fb@sep8pt\fb@rule2pt
16422 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (cont)}%
16423 \def\LastFrameCommand{\fb@sep8pt\fb@rule2pt
16424 \TitleBarFrame{\textbf{#1} (cont)}}}%
16425 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16426 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16427 % could interfere with the width measurement.
16428 {\endMakeFramed}
16429 \chardef\FrameRestore=\catcode`\| % for debug
16430 \catcode`\|=\catcode`\% (debug: insert space after backslash)
16431 \def\fb@put@frame#1#2{\relax
16432 \ifdim\pagegoal=\maxdimen \pagegoal\vspace \fi
16433 | \message{===== Entering putframe =====^~J
16434 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
16435 \ifinner
16436 \fb@putboxa#1%
16437 \fb@afterframe
16438 \else
16439 \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
16440 \ifdim\dimen@<2\baselineskip % Too little room on page
16441 | \message{Page has only \the\dimen@\space room left; eject.}%
16442 \eject \fb@adjheight \fb@put@frame#1#2%
16443 \else % there's appreciable room left on the page
16444 \fb@sizeofframe#1%
16445 | \message{\string\pagetotal=\the\pagetotal,
16446 | \string\pagegoal=\the\pagegoal,
16447 | \string\pagestretch=\the\pagestretch,
```



```

16448 |         \string\pageshrink=\the\pageshrink,
16449 |         \string\fb@frh=\the\fb@frh. \space}
16450 | \message{^^JBox of size \the\ht\@tempboxa\space}%
16451 | \begingroup % temporarily set \dimen@ to be...
16452 | \advance\dimen@.8\pageshrink % maximum space available on page
16453 | \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16454 | %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16455 | \expandafter\endgroup
16456 | % expand \ifdim, then restore \dimen@ to real room left on page
16457 | \ifdim\dimen@>\ht\@tempboxa % whole box does fit
16458 | | \message{fits in \the\dimen@. }%
16459 | | % ToDo: Change this to use vsplit anyway to capture the marks
16460 | | % MERGE THIS WITH THE else CLAUSE!!!
16461 | | \fb@putboxa#1%
16462 | | \fb@afterframe
16463 | \else % box must be split
16464 | | \message{must be split to fit in \the\dimen@. }%
16465 | | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16466 | | \fb@sizeofframe#2%
16467 | | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
16468 | |   \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16469 | |   \kern137sp\kern-137sp\penalty-30
16470 | |   \unvbox\@tempboxa}%
16471 | | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16472 | |   \splittopskip\the\splittopskip}%
16473 | | \boxmaxdepth\z@ \splittopskip\z@
16474 | | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
16475 | | % Split box here
16476 | | \setbox\tw@\vsplit\@tempboxa to\dimen@
16477 | | \toks99\expandafter{\splittopmark}%
16478 | | \toks98\expandafter{\splitbotmark}%
16479 | | \message{Marks are: \the\toks99, \the\toks98. }%
16480 | | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
16481 | | \message{Natural height of split box is \the\ht\tw@, leaving
16482 | |   \the\ht\@tempboxa\space remainder. }%
16483 | | % If the split-to size > (\vsize-\topskip), then set box to full size.
16484 | | \begingroup
16485 | | \advance\dimen@\topskip
16486 | | \expandafter\endgroup
16487 | | \ifdim\dimen@>\pagegoal
16488 | | | \message{Frame is big -- Use up the full column. }%
16489 | | | \dimen@ii\pagegoal
16490 | | | \advance\dimen@ii -\topskip
16491 | | | \advance\dimen@ii \FrameHeightAdjust\relax
16492 | | \else % suspect this is implemented incorrectly:
16493 | | | % If the split-to size > feasible room_on_page, rebox it smaller.
16494 | | | \advance\dimen@.8\pageshrink
16495 | | | \ifdim\ht\tw@>\dimen@
16496 | | | | \message{Box too tall; rebox it to \the\dimen@. }%
16497 | | | | \dimen@ii\dimen@
16498 | | | \else % use natural size
16499 | | | | \dimen@ii\ht\tw@
16500 | | | \fi
16501 | \fi

```



```

16502      % Re-box contents to desired size \dimen@ii
16503      \advance\dimen@ii -\fb@frh
16504      \setbox\tw@\vbox to\dimen@ii \bgroup
16505      % remove simulated frame and page flexibility:
16506      \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16507      \unvbox\tw@ \unpenalty\unpenalty
16508      \ifdim\lastkern=-137sp % whole box went to next page
16509 |      \message{box split at beginning! }%
16510      % need work here???
16511      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16512      \fb@adjheight
16513      \fb@put@frame#1#2% INSERTED ???
16514      \else % Got material split off at the head
16515      \egroup \fb@resto@set
16516      \ifvoid\@tempboxa % it all fit after all
16517 |      \message{box split at end! }%
16518      \setbox\@tempboxa\box\tw@
16519      \fb@putboxa#1%
16520      \fb@afterframe
16521      \else % it really did split
16522 |      \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16523      \ifdim\wd\tw@>\z@
16524      \wd\tw@\wd\@tempboxa
16525      \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16526      \else
16527 |      \message{Zero width means likely blank. Don't frame it (guess)}%
16528      \box\tw@
16529      \fi
16530      \hrule \@height\z@ \@width\hsize
16531      \eject
16532      \fb@adjheight
16533      \fb@put@frame\LastFrameCommand\MidFrameCommand
16534      \fi\fi\fi\fi\fi
16535 }
16536 \def\fb@putboxa#1{%
16537   \ifvoid\@tempboxa
16538     \PackageWarning{framed}{Boxa is void -- discard it. }%
16539   \else
16540 |     \message{Frame and place boxa. }%
16541 |     %{\showoutput\showbox\@tempboxa}%
16542     \centerline{#1{\hboxL{\box\@tempboxa}}}%
16543   \fi
16544 }
16545 \catcode`\|=\FrameRestore
16546 \def\FrameRestore{%
16547   \let\if@nobreak\iffalse
16548   \let\if@noskipsec\iffalse
16549   \let\-\@dischph
16550   \let'\@acci\let\` \@accii\let\=\@acciii
16551   % \message{FrameRestore:
16552   %   \@totalleftmargin=\the \@totalleftmargin,
16553   %   \rightmargin=\the\rightmargin,
16554   %   \@listdepth=\the\@listdepth. }%
16555   % Test if we are in a list (or list-like paragraph)

```



```

16556 \ifnum \ifdim \@totalleftmargin>\z@ 1\fi
16557 \ifdim \rightmargin>\z@ 1\fi
16558 \ifnum \@listdepth>\z@ 1\fi 0>\z@
16559 % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
16560 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16561 % \labelwidth=\the\labelwidth. }%
16562 \@setminipage % snug fit around the item
16563 % Now try to propagate changes of width from \hsize to list parameters.
16564 % This is deficient, but a more advanced way to indicate modification to text
16565 % dimensions is not (yet) provided; in particular, no separate left/right
16566 % adjustment.
16567 \advance\linewidth-\columnwidth \advance\linewidth\hsize
16568 \parshape\@ne \@totalleftmargin \linewidth
16569 \else % Not in list
16570 \linewidth=\hsize
16571 %\message{No list, set \string\linewidth=\the\hsize. }%
16572 \fi
16573 \sloppy
16574 }

```

99 File ftnright-xetex-bidi.def

```

16575 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16576
16577 \def\prepare@bidi@copyins{%
16578 \global\bidircol@copyinsskip\skip\@bidi@copyins@
16579 \global\skip\@bidi@copyins@\z@
16580 \global\count\@bidi@copyins@\z@
16581 \global\dimen\@bidi@copyins@\textheight}
16582
16583 \newskip\bidircol@copyinsskip
16584
16585 \def\LTR@outputdblcol{%
16586 \if@firstcolumn
16587 \global\@firstcolumnfalse
16588 \global\setbox\@leftcolumn\copy\@outputbox
16589 \global\count\footins\@m
16590 \global\skip\footins\rcol@footinsskip
16591 \global\count\@bidi@copyins@\@m
16592 \global\skip\@bidi@copyins@\bidircol@copyinsskip
16593 \splitmaxdepth\maxdimen
16594 \vbadness\maxdimen
16595 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16596 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16597 \toks@\expandafter{\topmark}%
16598 \xdef\@firstcoltopmark{\the\toks@}%
16599 \toks@\expandafter{\splitfirstmark}%
16600 \xdef\@firstcolfirstmark{\the\toks@}%
16601 \ifx\@firstcolfirstmark\@empty
16602 \global\let\@setmarks\relax
16603 \else
16604 \gdef\@setmarks{%
16605 \let\firstmark\@firstcolfirstmark
16606 \let\topmark\@firstcoltopmark}%

```



```

16607 \fi
16608 \else
16609 \preparefootins
16610 \prepare@bidi@copyins
16611 \global\@firstcolumntrue
16612 \setbox\@outputbox\vbox{%
16613 \hb@xt@\textwidth{%
16614 \hb@xt@\columnwidth{%
16615 \bidi@firstcolumn@status@write%
16616 \box\@leftcolumn \hss}%
16617 \hfil
16618 {\normalcolor\vrule \@width\columnseprule}%
16619 \hfil
16620 \hb@xt@\columnwidth{%
16621 \bidi@lastcolumn@status@write%
16622 \box\@outputbox \hss}}}%
16623 \@combinedblfloats
16624 \@setmarks
16625 \@outputpage
16626 \begingroup
16627 \@dblfloatplacement
16628 \@startdblcolumn
16629 \@whilesw\if@fcolmade \fi{\@outputpage
16630 \@startdblcolumn}%
16631 \endgroup
16632 \fi}%
16633
16634 \def\RTL@outputdblcol{%
16635 \if@firstcolumn
16636 \global\@firstcolumnfalse
16637 \global\setbox\@leftcolumn\copy\@outputbox
16638 \global\count\footins\@m
16639 \global\skip\footins\rcol@footinsskip
16640 \global\count\@bidi@copyins\@m
16641 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
16642 \splitmaxdepth\maxdimen
16643 \vbadness\maxdimen
16644 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16645 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16646 \toks@\expandafter{\topmark}%
16647 \xdef\@firstcoltopmark{\the\toks@}%
16648 \toks@\expandafter{\splitfirstmark}%
16649 \xdef\@firstcolfirstmark{\the\toks@}%
16650 \ifx\@firstcolfirstmark\@empty
16651 \global\let\@setmarks\relax
16652 \else
16653 \gdef\@setmarks{%
16654 \let\firstmark\@firstcolfirstmark
16655 \let\topmark\@firstcoltopmark}%
16656 \fi
16657 \else
16658 \preparefootins
16659 \prepare@bidi@copyins
16660 \global\@firstcolumntrue

```



```

16661 \setbox\@outputbox\vbox{%
16662 \hb@xt@\textwidth{%
16663 \hskip \columnwidth
16664 \hfil
16665 {\normalcolor\vrule \@width\columnseprule}%
16666 \hfil
16667 \hb@xt@\columnwidth{%
16668 \bidi@firstcolumn@status@write%
16669 \box\@leftcolumn \hss}%
16670 \hskip -\textwidth
16671 \hb@xt@\columnwidth{%
16672 \bidi@lastcolumn@status@write%
16673 \box\@outputbox \hss}%
16674 \hskip \columnsep
16675 \hskip \columnwidth }}%
16676 \@combinedblfloats
16677 \@setmarks
16678 \@outputpage
16679 \begingroup
16680 \@dblfloatplacement
16681 \@startdblcolumn
16682 \@whiles\if@colmade \fi{\@outputpage
16683 \@startdblcolumn}%
16684 \endgroup
16685 \fi}%
16686
16687 \def\@startcolumn{%
16688 \ifx\@deferlist\@empty
16689 \global\@fcolmadefalse
16690 \global\@colroom\@colht
16691 \else
16692 \ifvoid\footins\else
16693 \ftn@amount\ht\footins
16694 \advance\ftn@amount\dp\footins
16695 \advance\ftn@amount\skip\footins
16696 \fi
16697 \ifvoid\@bidi@copyins\else
16698 \bidi@copyins@amount\ht\@bidi@copyins@
16699 \advance\bidi@copyins@amount\dp\@bidi@copyins@
16700 \advance\bidi@copyins@amount\skip\@bidi@copyins@
16701 \fi
16702 \global\advance\@colht-\ftn@amount
16703 \global\advance\@colht-\bidi@copyins@amount
16704 \global\@colroom\@colht
16705 \@xstartcol
16706 \global\advance\@colht\ftn@amount
16707 \global\advance\@colroom\ftn@amount
16708 \global\advance\@colht\bidi@copyins@amount
16709 \global\advance\@colroom\bidi@copyins@amount
16710 \fi
16711 \if@fcolmade
16712 \setbox\@cclv\box\@outputbox
16713 \@makecol
16714 \else

```




```

16715 \ifvoid\footins\else
16716 \insert\footins{\unvbox\footins}\fi
16717 \ifvoid\@bidi@copyins\else
16718 \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
16719 \fi}
16720
16721 \newdimen\@bidi@copyins@amount
16722
16723 \def\@makecol{\if@firstcolumn
16724 \setbox\@outputbox\box\@cclv
16725 \if@twocolumn \else
16726 \ifvoid\footins \else
16727 \@latexerr{ftnright package
16728 used in one-column mode}%
16729 {The ftnright package was designed to
16730 work with LaTeX's standard^^Jtwocolumn
16731 option. It does *not* work with the
16732 multicol package.^^JSo please specify
16733 `twocolumn' in the
16734 \noexpand\documentclass command.}%
16735 \shipout\box\footins \fi
16736 \ifvoid\@bidi@copyins\else
16737 \@latexerr{ftnright package
16738 used in one-column mode}%
16739 {The ftnright package was designed to
16740 work with LaTeX's standard^^Jtwocolumn
16741 option. It does *not* work with the
16742 multicol package.^^JSo please specify
16743 `twocolumn' in the
16744 \noexpand\documentclass command.}%
16745 \shipout\box\@bidi@copyins\fi\fi
16746 \ifnum\insertpenalties>\z@
16747 \@latexerr{ftnright package
16748 scrambled footnotes}%
16749 {There is too much footnote material in
16750 the first column and ftnright^^Jis
16751 unable to cope with this.^^JYou need
16752 to reduce the amount to get a properly
16753 formatted page.}%
16754 \fi
16755 \else
16756 \ifvoid\footins
16757 \ifvoid\@bidi@copyins\
16758 \setbox\@outputbox\box\@cclv
16759 \else
16760 \setbox\@outputbox\vbox
16761 {\ifvoid\@cclv \else
16762 \unvbox\@cclv
16763 \vskip \skip\@bidi@copyins\
16764 \fi
16765 \color@begingroup
16766 \normalcolor
16767 \unvbox \@bidi@copyins\
16768 \color@endgroup}%

```



```

16769 \fi
16770 \else
16771 \setbox\@outputbox\vbox
16772 {\ifvoid\@cclv \else
16773 \unvbox\@cclv
16774 \vskip\skip\footins\fi
16775 \color@begingroup
16776 \normalcolor
16777 \footnoterule\unvbox\footins
16778 \color@endgroup
16779 \ifvoid\@bidi@copyins@
16780 \else
16781 \vskip \skip\@bidi@copyins@
16782 \color@begingroup
16783 \normalcolor
16784 \unvbox \@bidi@copyins@
16785 \color@endgroup
16786 \fi
16787 }%
16788 \fi
16789 \fi
16790 \xdef\@freelist{\@freelist\@midlist}%
16791 \global \let \@midlist \@empty
16792 \@combinefloats
16793 \ifvbox\@kludgeins
16794 \@makespecialcolbox
16795 \else
16796 \setbox\@outputbox\vbox to\@colht
16797 {\boxmaxdepth\maxdepth
16798 \@texttop
16799 \@tempdima\dp\@outputbox
16800 \unvbox\@outputbox
16801 \vskip-\@tempdima
16802 \@textbottom}%
16803 \fi
16804 \global\maxdepth\@maxdepth}
16805
16806 \let\leftfootnoterule\@empty
16807 \let\rightfootnoterule\@empty
16808 \let\textwidthfootnoterule\@empty
16809 \let\autofootnoterule\@empty
16810 \let\footnoterule\@empty
16811 \long\def\@makefntext#1{\parindent 1em
16812 \noindent\hbox to 2em{}%
16813 \llap{\@thefnmark\hbox{.}\,.\,}\,}#1}
16814
16815 \setlength{\skip\@bidi@copyins@}
16816 {10pt plus 5pt minus 3pt}
16817 \AtBeginDocument{\prepare@bidi@copyins}

```

100 File graphicx-xetex-bidi.def

```

16818 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16819 \def\Grot@box@std#1#2{\ifmmode\else\ifRTL\beginL\fi\fi%

```



```

16820 \Grot@setangle{#1}%
16821 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL
16822 \Grot@x\z@
16823 \Grot@y\z@
16824 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16825 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16826 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi
16827 \Grot@x\width \divide\Grot@x\tw@
16828 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16829 \setkeys{Grot}{#1}%
16830 \setbox\z@\box\@tempboxa
16831 \Grot@setangle{#2}%
16832 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16833 \@end@tempboxa}
16834 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16835 \leavevmode
16836 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16837 \setbox\z@\hbox{#3}%
16838 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16839 \ifdim#2\p<\z@
16840 \ht\tw@-#2\dp\z@
16841 \dp\tw@-#2\ht\z@
16842 \else
16843 \ht\tw@#2\ht\z@
16844 \dp\tw@#2\dp\z@
16845 \fi
16846 \ifdim#1\p<\z@
16847 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16848 \else
16849 \wd\tw@#1\wd\z@
16850 \box\tw@
16851 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16852 \def\Gin@iii[#1,#2][#3,#4]#5{%
16853 \begingroup
16854 \ifmmode\else\if@RTL\beginL\fi\fi
16855 \Gin@bboxtrue
16856 \Gin@defaultbp\Gin@llx{#1}%
16857 \Gin@defaultbp\Gin@lly{#2}%
16858 \Gin@defaultbp\Gin@urx{#3}%
16859 \Gin@defaultbp\Gin@ury{#4}%
16860 \Gin@include@graphics{#5}%
16861 \ifmmode\else\if@RTL\endL\fi\fi
16862 \endgroup}
16863 \def\Gin@ii[#1]#2{%
16864 \def\@tempa{[]}\def\@tempb{#2}%
16865 \ifx\@tempa\@tempb
16866 \def\@tempa{\Gin@iii[#1] []}%
16867 \expandafter\@tempa
16868 \else
16869 \begingroup
16870 \ifmmode\else\if@RTL\beginL\fi\fi
16871 \@tempswafalse
16872 \toks@{\Gin@include@graphics{#2}}%
16873 \setkeys{Gin}{#1}%

```



```

16874      \Gin@esetsize
16875      \the\toks@
16876      \ifmmode\else\if@RTL\endL\fi\fi
16877      \endgroup
16878      \fi}
16879 \def\reflectbox{\bidiGscale@box-1[1]}
16880 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16881   \leavevmode
16882   \def\Gscale@x{#1}\def\Gscale@y{#2}%
16883   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16884   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16885   \ifdim#2\p@<\z@
16886     \ht\tw@-#2\dp\z@
16887     \dp\tw@-#2\ht\z@
16888   \else
16889     \ht\tw@#2\ht\z@
16890     \dp\tw@#2\dp\z@
16891   \fi
16892   \ifdim#1\p@<\z@
16893     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16894   \else
16895     \wd\tw@#1\wd\z@
16896     \box\tw@
16897   \fi\ifmmode\else\if@RTL\endL\fi\fi}
16898 \def\scalebox#1{%
16899   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
16900 \def\resizebox{%
16901   \leavevmode
16902   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16903 \def\bidiGscale@@box#1#2#3{%
16904   \let\@tempa\Gin@exclamation
16905   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16906   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16907   \ifx\@tempb\@tempa
16908     \ifx\@tempc\@tempa
16909       \toks@{\mbox}%
16910     \else
16911       \toks@{\bidiGscale@box@dd{#3}#1}%
16912     \fi
16913   \else
16914     \ifx\@tempc\@tempa
16915       \toks@{\bidiGscale@box@dd{#2}\width}%
16916     \else
16917       \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16918     \fi
16919   \fi
16920   \the\toks@}
16921 \long\def\bidiGscale@box@dd#1#2#3{%
16922   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16923   \setlength\@tempdima{#1}%
16924   \setlength\@tempdimb{#2}%
16925   \Gscale@div\@tempa\@tempdima\@tempdimb
16926   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16927   \@end@tempboxa}

```



```

16928 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
16929   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi
16930     \setlength\@tempdima{#1}%
16931     \setlength\@tempdimb{#2}%
16932     \Gscale@div\@tempa\@tempdima\@tempdimb
16933     \setlength\@tempdima{#3}%
16934     \setlength\@tempdimb{#4}%
16935     \Gscale@div\@tempb\@tempdima\@tempdimb
16936     \ifGin@iso
16937       \ifdim\@tempa\p@>\@tempb\p@
16938         \let\@tempa\@tempb
16939       \else
16940         \let\@tempb\@tempa
16941       \fi
16942     \fi
16943     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16944   \@end@tempboxa}

```

101 File geometry-xetex-bidi.def

```

16945 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16946 \renewcommand*{\Gm@vrules@mpi}{%
16947   \if@RTLmain%
16948     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16949       \llap{\Gm@vrule}\ignorespaces
16950       \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16951       \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
16952   \else%
16953     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16954       \hskip \textwidth\Gm@vrule\hskip \marginparsep
16955       \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
16956 \renewcommand*{\Gm@vrules@mpii}{%
16957   \if@RTLmain%
16958     \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
16959       \hskip \textwidth\Gm@vrule\hskip \marginparsep
16960       \llap{\Gm@vrule}\hfil\Gm@vrule}%
16961   \else%
16962     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
16963       \llap{\Gm@vrule}\ignorespaces
16964       \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
16965       \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
16966 \bidi@patchcmd{\Gm@pageframes}{%
16967   \ifodd\count\z@
16968     \let\@themargin\oddsidemargin
16969   \else
16970     \let\@themargin\evensidemargin
16971   \fi
16972 }{%
16973   \ifodd\count\z@
16974     \if@RTLmain
16975       \let\@themargin\evensidemargin
16976     \else
16977       \let\@themargin\oddsidemargin
16978     \fi

```



```

16979     \else
16980     \if@RTLmain
16981     \let\@themargin\oddsidemargin
16982     \else
16983     \let\@themargin\evensidemargin
16984     \fi
16985 \fi
16986 }{}{}

```

102 File hvfloat-xetex-bidi.def

```

16987 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
16988 \def\do@hvFloat[#1]#2#3{%
16989 \def\hv@shortCap{#1}
16990 \def\hv@longCap{#2}
16991 \def\hv@label{#3}
16992 %\newcommand*{\hvFloat}[5][{}]{%
16993 % [#1]: keyvalues
16994 % #2: type figure | table | ...
16995 % #3: float contents
16996 % [#4]: short caption
16997 % #5: caption
16998 % #6: label
16999 % \setDefault%
17000 % \def\@tempa{#1}%
17001 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
17002 \def\@tempa{90}%
17003 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
17004 \else \setlength{\hvMaxCapWidth}{\linewidth}
17005 \fi
17006 %
17007 % First we save the object in \hvObjectBox
17008 %
17009 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
17010 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
17011 \else
17012 \savebox{\hvObjectBox}{%
17013 \rotatebox{\hvSet@objectAngle}{%
17014 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
17015 \fi
17016 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
17017 %
17018 % Now we save the caption with its defined \hvCapWidth
17019 %
17020 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
17021 \else
17022 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
17023 \else
17024 \setlength{\hvCapWidth}{\hvObjectWidth}
17025 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17026 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17027 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
17028 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
17029 \else

```



```

17030 \setlength{\hvCapWidth}{\hvMaxCapWidth}
17031 \fi
17032 \fi
17033 \fi
17034 %
17035 % now we have the object and the caption with the right
17036 % rotated angles saved in boxes
17037 %
17038 \def\fps@figure{\hvSet@floatPos}
17039 \ifhv@nonFloat\beginingroup% Start the nonfloat part
17040 \else \begin{\hv@floatType}% Start the floating environment
17041 \fi%
17042 \saveCaptionSkip% we put this space ourselve
17043 \ifx\hvSet@capAngle\hv@Width % need rotation?
17044 \sbox{\hvCaptionBox}{%
17045 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17046 \ifhv@nonFloat%
17047 \ifhv@onlyText#2%
17048 \else%
17049 \ifx\hv@floatType\hv@figure
17050 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
17051 \else
17052 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
17053 \fi
17054 \fi
17055 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
17056 \fi%
17057 \label{#3}%
17058 \end{minipage}%
17059 }%
17060 \else%
17061 \sbox{\hvCaptionBox}{%
17062 \rotatebox{\hvSet@capAngle}{%
17063 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17064 \ifhv@nonFloat%
17065 \ifhv@onlyText#2%
17066 \else%
17067 \ifx\hv@floatType\hv@figure
17068 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
17069 \else
17070 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
17071 \fi
17072 \fi
17073 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
17074 \fi%
17075 \label{#3}%
17076 \end{minipage}%
17077 }%
17078 }%
17079 \fi%
17080 %%
17081 \restoreCaptionSkip% save old values
17082 \ifx\hvSet@objectPos\hv@Right\bidicraggedleft%
17083 \else%

```



```

17084 \ifx\hvSet@ObjectPos\hv@Center
17085 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17086 \fi%
17087 \fi%
17088 %
17089 % to rotate object and caption together, we save all in another box
17090 % the caption comes first, if its on the left or the top
17091 %
17092 \savebox{\@tempboxa}{%
17093 \ifx\hvSet@capPos\hv@Left % caption on left side
17094 \if@RTL%
17095 \ifx\hvSet@capVPos\hv@Center%
17096 \ifhv@fbox
17097 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17098 \else
17099 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17100 \fi%
17101 \hspace{\hvSet@floatCapSep pt}%
17102 \ifhv@fbox
17103 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17104 \else
17105 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17106 \fi%
17107 \else%
17108 \ifx\hvSet@capVPos\hv@Top
17109 \ifhv@fbox
17110 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17111 \else
17112 \raisebox{-\height}{\usebox{\hvObjectBox}}
17113 \fi%
17114 \hspace{\hvSet@floatCapSep pt}%
17115 \ifhv@fbox
17116 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17117 \else
17118 \raisebox{-\height}{\usebox{\hvCaptionBox}}
17119 \fi
17120 \else
17121 \ifhv@fbox
17122 \fbox{\usebox{\hvObjectBox}}%
17123 \else
17124 \usebox{\hvObjectBox}%
17125 \fi
17126 \hspace{\hvSet@floatCapSep pt}%
17127 \ifhv@fbox
17128 \fbox{\usebox{\hvCaptionBox}}%
17129 \else
17130 \usebox{\hvCaptionBox}%
17131 \fi%
17132 \fi%
17133 \fi%
17134 \else% not RTL
17135 \ifx\hvSet@capVPos\hv@Center%
17136 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17137 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%

```




```

17138     \fi%
17139     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17140     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17141     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17142     \fi%
17143 \else%
17144     \ifx\hvSet@capVPos\hv@Top % caption at top
17145     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17146     \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17147     \fi
17148     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17149     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17150     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
17151     \fi%
17152 \else% caption on bottom
17153     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
17154     \else\usebox{\hvCaptionBox}
17155     \fi%
17156     \hspace{\hvSet@floatCapSep pt}%
17157     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
17158     \else      \usebox{\hvObjectBox}
17159     \fi%
17160 \fi%
17161 \fi% end of RTL
17162 \fi%
17163 \else
17164     \ifx\hvSet@capPos\hv@Top
17165     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17166     \begin{minipage}{\wd\hvCaptionBox}
17167     \else
17168     \begin{minipage}{\wd\hvObjectBox}
17169     \fi
17170     \centering
17171     \ifhv@fbox
17172     \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17173     \fbbox{\usebox{\hvObjectBox}}
17174     \else
17175     \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17176     \usebox{\hvObjectBox}
17177     \fi%
17178     \end{minipage}
17179 \else
17180     \ifx\hvSet@capPos\hv@Bottom
17181     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17182     \begin{minipage}{\wd\hvCaptionBox}
17183     \else
17184     \begin{minipage}{\wd\hvObjectBox}
17185     \fi
17186     \centering
17187     \ifhv@fbox
17188     \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17189     \fbbox{\usebox{\hvCaptionBox}}
17190     \else
17191     \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]

```



```

17192     \usebox{\hvCaptionBox}
17193     \fi%
17194     \end{minipage}
17195     \else% the last option: put the caption on the right
17196 \if@RTL%
17197     \ifx\hvSet@capVPos\hv@Center%
17198         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17199         \else         \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17200         \fi%
17201         \hspace{\hvSet@floatCapSep pt}% capfloatsep
17202         \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
17203         \else         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
17204         \fi%
17205     \else%
17206         \ifx\hvSet@capVPos\hv@Top % caption at top
17207             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17208             \else         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17209             \fi
17210             \hspace{\hvSet@floatCapSep pt}% capfloatsep
17211             \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17212             \else         \raisebox{-\height}{\usebox{\hvObjectBox}}%
17213             \fi%
17214         \else% caption on bottom
17215             \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
17216             \else\usebox{\hvCaptionBox}
17217             \fi%
17218             \hspace{\hvSet@floatCapSep pt}%
17219             \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
17220             \else         \usebox{\hvObjectBox}
17221             \fi%
17222         \fi%
17223     \fi%
17224 \else% not RTL
17225     \ifx\hvSet@capVPos\hv@Center%
17226         \ifhv@fbox
17227             \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17228         \else
17229             \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17230         \fi%
17231         \hspace{\hvSet@floatCapSep pt}%
17232         \ifhv@fbox
17233             \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17234         \else
17235             \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17236         \fi%
17237     \else%
17238         \ifx\hvSet@capVPos\hv@Top
17239             \ifhv@fbox
17240                 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17241             \else
17242                 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17243             \fi%
17244             \hspace{\hvSet@floatCapSep pt}%
17245             \ifhv@fbox

```



```

17246         \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17247     \else
17248         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17249     \fi
17250 \else
17251     \ifhv@fbox
17252         \fbox{\usebox{\hvObjectBox}}%
17253     \else
17254         \usebox{\hvObjectBox}%
17255     \fi
17256     \hspace{\hvSet@floatCapSep pt}%
17257     \ifhv@fbox
17258         \fbox{\usebox{\hvCaptionBox}}%
17259     \else
17260         \usebox{\hvCaptionBox}%
17261     \fi%
17262 \fi%
17263 \fi
17264 \fi% end of RTL
17265 \fi
17266 \fi
17267 \fi
17268 }% End savebox Object and caption
17269 %
17270 % now we rotate the object and caption, if needed
17271 %
17272 \ifx\hvSet@rotAngle\hv@Zero
17273     \usebox{\@tempboxa}
17274 \else
17275     \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17276 \fi
17277 \ifhv@nonFloat
17278     \ifx\hvSet@objectPos\hv@Center
17279         \ifhv@nonFloat
17280             \hspace{\fill}
17281         \fi
17282     \fi
17283     \endgroup% End the nonfloat part
17284 \else
17285     \end{\hv@floatType}% End the floating environment
17286 \fi
17287 }

```

103 File hyperref-xetex-bidi.def

```

17288 \ProvidesFile{hyperref-xetex-bidi.def}[2025/01/05 v1.4 bidi adaptations for hyperref package]
17289 \AtBeginDocument{%
17290 \def\contentsline#1#2#3#4{%
17291     \ifx\#4\%
17292         \csname l@#1\endcsname{#2}{#3}%
17293     \else
17294         \ifcase\Hy@linktoc % none
17295             \csname l@#1\endcsname{#2}{#3}%
17296         \or % section

```



```

17297     \csname l@#1\endcsname{%
17298       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17299     }{#3}%
17300   \or % page
17301     \csname l@#1\endcsname{#2}{%
17302       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17303     }%
17304   \else % all
17305     \csname l@#1\endcsname{%
17306       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17307     }{#3}%
17308     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17309   }%
17310 \fi
17311 \fi
17312 }
17313 \ifHy@hyperfootnotes
17314   \let\H@@footnotetext\@footnotetext
17315   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17316   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17317   \def\xfootnotenext[#1]{%
17318     \begingroup
17319       \csname c@%mpfn\endcsname #1\relax
17320       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17321     \endgroup
17322     \ifx\@footnotetext\@mpfootnotetext
17323       \expandafter\H@@mpfootnotetext
17324     \else
17325       \expandafter\H@@footnotetext
17326     \fi
17327   }%
17328   \def\@xRTLfootnotenext[#1]{%
17329     \begingroup
17330       \csname c@%mpfn\endcsname #1\relax
17331       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17332     \endgroup
17333     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17334       \expandafter\HRTL@mpRTLfootnotetext
17335     \else
17336       \expandafter\HRTL@RTLfootnotetext
17337     \fi
17338   }%
17339   \def\@xLTRfootnotenext[#1]{%
17340     \begingroup
17341       \csname c@%mpfn\endcsname #1\relax
17342       \unrestored@protected@xdef\@thefnmark{\thempfn}%
17343     \endgroup
17344     \ifx\@LTRfootnotetext\@mpLTRfootnotetext
17345       \expandafter\HLTR@mpLTRfootnotetext
17346     \else
17347       \expandafter\HLTR@LTRfootnotetext
17348     \fi
17349   }%
17350   \def\xfootnotemark[#1]{%

```



```

17351 \begingroup
17352 \c@footnote #1\relax
17353 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17354 \endgroup
17355 \H@@footnotemark
17356 }%
17357 \let\H@@mpfootnotetext\@mpfootnotetext
17358 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
17359 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
17360 \long\def\@mpfootnotetext#1{%
17361 \H@@mpfootnotetext{%
17362 \ifHy@nesting
17363 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17364 \else
17365 \Hy@raisedlink{%
17366 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17367 }#1%
17368 \fi
17369 }%
17370 }%
17371 \long\def\@mpRTLfootnotetext#1{%
17372 \HRTL@@mpRTLfootnotetext{%
17373 \ifHy@nesting
17374 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17375 \else
17376 \Hy@raisedlink{%
17377 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17378 }#1%
17379 \fi
17380 }%
17381 }%
17382 \long\def\@mpLTRfootnotetext#1{%
17383 \HLTR@@mpLTRfootnotetext{%
17384 \ifHy@nesting
17385 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17386 \else
17387 \Hy@raisedlink{%
17388 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17389 }#1%
17390 \fi
17391 }%
17392 }%
17393 \long\def\@footnotetext#1{%
17394 \H@@footnotetext{%
17395 \ifHy@nesting
17396 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17397 \else
17398 \Hy@raisedlink{%
17399 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17400 }%
17401 \let\@currentHlabel\Hy@footnote@currentHlabel
17402 \let\@currentHref\Hy@footnote@currentHref
17403 \let\@currentlabelname\@empty
17404 #1%

```



```

17405     \fi
17406   }%
17407 }%
17408 \long\def\@RTLfootnotetext#1{%
17409 \HRTL@@RTLfootnotetext{%
17410   \ifHy@nesting
17411     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17412   \else
17413     \Hy@raisedlink{%
17414       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17415     }%
17416     \let\@currentHlabel\Hy@footnote@currentHlabel
17417     \let\@currentHref\Hy@footnote@currentHref
17418     \let\@currentlabelname\@empty
17419     #1%
17420   \fi
17421 }%
17422 }%
17423 \long\def\@LTRfootnotetext#1{%
17424 \HLTR@@LTRfootnotetext{%
17425   \ifHy@nesting
17426     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17427   \else
17428     \Hy@raisedlink{%
17429       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17430     }%
17431     \let\@currentHlabel\Hy@footnote@currentHlabel
17432     \let\@currentHref\Hy@footnote@currentHref
17433     \let\@currentlabelname\@empty
17434     #1%
17435   \fi
17436 }%
17437 }%
17438 \ApplyPatchCodeToPackage{tabularx}{%
17439 \let\HyOrg@TX@endtabularx\TX@endtabularx
17440 \def\Hy@tabularx@hook{%
17441   \let\@footnotetext\H@@footnotetext
17442   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17443   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17444   \let\@footnotemark\H@@footnotemark
17445   \let\@mpfootnotetext\H@@mpfootnotetext
17446   \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
17447   \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
17448 }%
17449 \begingroup
17450   \toks@\expandafter{\TX@endtabularx}%
17451   \xdef\Hy@gtemp{%
17452     \noexpand\Hy@tabularx@hook
17453     \the\toks@
17454   }%
17455 \endgroup
17456 \let\TX@endtabularx\Hy@gtemp
17457 }%
17458 \ApplyPatchCodeToPackage{longtable}{%

```



```

17459 \CheckCommand{\LT@p@LTRftntext}[1]{%
17460 \edef\@tempa{%
17461 \the\LT@p@ftn
17462 \noexpand\LTRfootnotetext[\the\c@footnote]%
17463 }%
17464 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17465 }%
17466 \long\def\LT@p@LTRftntext#1{%
17467 \edef\@tempa{%
17468 \the\LT@p@ftn
17469 \begingroup
17470 \noexpand\c@footnote=\the\c@footnote\relax
17471 \noexpand\protected@xdef\noexpand\@thefnmark{%
17472 \noexpand\thempfn
17473 }%
17474 \noexpand\Hy@LT@LTRfootnotetext{%
17475 \Hy@footnote@currentHref
17476 }%
17477 }%
17478 \global\LT@p@ftn\expandafter{%
17479 \@tempa{#1}%
17480 \endgroup
17481 }%
17482 }%
17483 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17484 \HLTR@@LTRfootnotetext{%
17485 \ifHy@nesting
17486 \hyper@@anchor{#1}{#2}%
17487 \else
17488 \Hy@raisedlink{%
17489 \hyper@@anchor{#1}{\relax}%
17490 }%
17491 \def\@currentHref{#1}%
17492 \let\@currentlabelname\@empty
17493 #2%
17494 \fi
17495 }%
17496 }%
17497 \CheckCommand{\LT@p@RTLftntext}[1]{%
17498 \edef\@tempa{%
17499 \the\LT@p@ftn
17500 \noexpand\RTLfootnotetext[\the\c@footnote]%
17501 }%
17502 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17503 }%
17504 \long\def\LT@p@RTLftntext#1{%
17505 \edef\@tempa{%
17506 \the\LT@p@ftn
17507 \begingroup
17508 \noexpand\c@footnote=\the\c@footnote\relax
17509 \noexpand\protected@xdef\noexpand\@thefnmark{%
17510 \noexpand\thempfn
17511 }%
17512 \noexpand\Hy@LT@RTLfootnotetext{%

```



```

17513         \Hy@footnote@currentHref
17514     }%
17515 }%
17516 \global\LT@p@ftn\expandafter{%
17517     \@tempa{#1}%
17518 \endgroup
17519 }%
17520 }%
17521 \long\def\Hy@LT@RTLfootnotetext#1#2{%
17522 \HRTL@RTLfootnotetext{%
17523     \ifHy@nesting
17524     \hyper@@anchor{#1}{#2}%
17525 \else
17526     \Hy@raisedlink{%
17527         \hyper@@anchor{#1}{\relax}%
17528     }%
17529     \def\@currentHref{#1}%
17530     \let\@currentlabelname\@empty
17531     #2%
17532 \fi
17533 }%
17534 }%
17535 }%
17536 \ApplyPatchCodeToPackage{bidipoem}{%
17537 \long\def\bidipoem@p@ftntext#1{%
17538     \edef\@tempx{%
17539         \the\bidipoem@p@ftn
17540     \beginingroup
17541         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17542         \noexpand\protected@xdef\noexpand\@thefnmark{%
17543             \noexpand\thempfn
17544         }%
17545         \noexpand\Hy@bidipoem@footnotetext{%
17546             \Hy@footnote@currentHref
17547         }%
17548     }%
17549 \global\bidipoem@p@ftn\expandafter{%
17550     \@tempx{#1}%
17551 \endgroup
17552 }%
17553 }%
17554 \long\def\Hy@bidipoem@footnotetext#1#2{%
17555 \H@footnotetext{%
17556     \ifHy@nesting
17557     \hyper@@anchor{#1}{#2}%
17558 \else
17559     \Hy@raisedlink{%
17560         \hyper@@anchor{#1}{\relax}%
17561     }%
17562     \def\@currentHref{#1}%
17563     \let\@currentlabelname\@empty
17564     #2%
17565 \fi
17566 }%

```




```

17567 }%
17568 \long\def\bidipoem@p@LTRfnttext#1{%
17569 \edef\@tempxi{%
17570 \the\bidipoem@p@ftn
17571 \begingroup
17572 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17573 \noexpand\protected@xdef\noexpand\@thefnmark{%
17574 \noexpand\thempfn
17575 }%
17576 \noexpand\Hy@bidipoem@LTRfootnotetext{%
17577 \Hy@footnote@currentHref
17578 }%
17579 }%
17580 \global\bidipoem@p@ftn\expandafter{%
17581 \@tempxi{#1}%
17582 \endgroup
17583 }%
17584 }%
17585 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17586 \HLTR@@LTRfootnotetext{%
17587 \ifHy@nesting
17588 \hyper@@anchor{#1}{#2}%
17589 \else
17590 \Hy@raisedlink{%
17591 \hyper@@anchor{#1}{\relax}%
17592 }%
17593 \def\@currentHref{#1}%
17594 \let\@currentlabelname\empty
17595 #2%
17596 \fi
17597 }%
17598 }%
17599 \long\def\bidipoem@p@RTLfnttext#1{%
17600 \edef\@tempxii{%
17601 \the\bidipoem@p@ftn
17602 \begingroup
17603 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17604 \noexpand\protected@xdef\noexpand\@thefnmark{%
17605 \noexpand\thempfn
17606 }%
17607 \noexpand\Hy@bidipoem@RTLfootnotetext{%
17608 \Hy@footnote@currentHref
17609 }%
17610 }%
17611 \global\bidipoem@p@ftn\expandafter{%
17612 \@tempxii{#1}%
17613 \endgroup
17614 }%
17615 }%
17616 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17617 \HRTL@@RTLfootnotetext{%
17618 \ifHy@nesting
17619 \hyper@@anchor{#1}{#2}%
17620 \else

```



```

17621         \Hy@raisedlink{%
17622             \hyper@@anchor{#1}{\relax}%
17623         }%
17624         \def\@currentHref{#1}%
17625         \let\@currentlabelname\@empty
17626         #2%
17627     \fi
17628 }%
17629 }%
17630 }%
17631 \let\HyOrg@maketitle\maketitle
17632 \def\maketitle{%
17633     \let\Hy@saved@footnotemark\@footnotemark
17634     \let\Hy@saved@footnotetext\@footnotetext
17635     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17636     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17637     \let\@footnotemark\H@@footnotemark
17638     \let\@footnotetext\H@@footnotetext
17639     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17640     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17641     \@ifnextchar[\Hy@maketitle@optarg{% ]
17642         \HyOrg@maketitle
17643         \Hy@maketitle@end
17644     }%
17645 }%
17646 \def\Hy@maketitle@optarg[#1]{%
17647     \HyOrg@maketitle[#{#1}]%
17648     \Hy@maketitle@end
17649 }%
17650 \def\Hy@maketitle@end{%
17651     \ifx\@footnotemark\H@@footnotemark
17652         \let\@footnotemark\Hy@saved@footnotemark
17653     \fi
17654     \ifx\@footnotetext\H@@footnotetext
17655         \let\@footnotetext\Hy@saved@footnotetext
17656     \fi
17657     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
17658         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17659     \fi
17660     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
17661         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17662     \fi
17663 }%
17664 \def\realfootnote{%
17665     \@ifnextchar[\@xfootnote{%
17666         \stepcounter{\@mpfn}%
17667         \protected@xdef\@thefnmark{\thempfn}%
17668         \H@@footnotemark\H@@footnotetext
17669     }%
17670 }%
17671 \fi
17672 \def\Hy@BeginAnnot#1{%
17673     \ifmode\else\beginL\fi%
17674     \global\advance\c@Hy@AnnotLevel\@ne

```



```

17675 \ifnum\c@Hy@AnnotLevel=\@ne
17676   #1%
17677 \fi
17678 }
17679 \def\Hy@endAnnot{%
17680 \ifnum\c@Hy@AnnotLevel=\@ne
17681   \Hy@endcolorlink
17682   \@pdfm@mark{eann}%
17683 \fi
17684 \global\advance\c@Hy@AnnotLevel\m@ne
17685 \ifmmode\else\endL\fi%
17686 }
17687 \def\hyper@link#1#2#3{%
17688 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
17689 }
17690 \def\hyper@linkfile#1#2#3{%
17691 \leavevmode
17692 \Hy@BeginAnnot{%
17693   \def\Hy@pstringF{#2}%
17694   \Hy@CleanupFile\Hy@pstringF
17695   \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17696   \Hy@pstringdef\Hy@pstringD{#3}%
17697   \Hy@MakeRemoteAction
17698   \@pdfm@mark{%
17699     bann<<%
17700     /Type/Annot%
17701     /Subtype/Link%
17702     \ifHy@pdfa /F 4\fi
17703     \Hy@setpdfborder
17704     \ifx\@filebordercolor\relax
17705     \else
17706       /C[\@filebordercolor]%
17707     \fi
17708     /A<<%
17709     /S/GoToR%
17710     /F(\Hy@pstringF)%
17711     /D%
17712     \ifx\#3\%
17713       [\Hy@href@page\@pdfremotestartview]%
17714     \else
17715       (\Hy@pstringD)%
17716     \fi
17717     \Hy@SetNewWindow
17718     \Hy@href@nextactionraw
17719     >>%
17720   >>%
17721   }%
17722   \Hy@colorlink\@filecolor
17723 }%
17724 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17725 \Hy@endAnnot
17726 }
17727 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17728 \leavevmode

```



```

17729 \Hy@BeginAnnot{%
17730   \Hy@pstringdef\Hy@pstringF{#1}%
17731   \Hy@pstringdef\Hy@pstringP{#3}%
17732   \@pdfm@mark{%
17733     bann<<%
17734     /Type/Annot%
17735     /Subtype/Link%
17736     \ifHy@pdfa /F 4\fi
17737     \Hy@setpdfborder
17738     \ifx\@runbordercolor\relax
17739     \else
17740       /C[\@runbordercolor]%
17741     \fi
17742     /A<<%
17743     /F(\Hy@pstringF)%
17744     /S/Launch%
17745     \Hy@SetNewWindow
17746     \ifx\#3\%
17747     \else
17748       /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17749     \fi
17750     \Hy@href@nextactionraw
17751     >>%
17752   >>%
17753   }%
17754   \Hy@colorlink\@runcolor
17755 }%
17756 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17757 \Hy@endAnnot
17758 }
17759 \def\hyper@linkurl#1#2{%
17760   \leavevmode
17761   \Hy@BeginAnnot{%
17762     \Hy@pstringdef\Hy@pstringURI{#2}%
17763     \@pdfm@mark{%
17764       bann<<%
17765       /Type/Annot%
17766       /Subtype/Link%
17767       \ifHy@pdfa /F 4\fi
17768       \Hy@setpdfborder
17769       \ifx\@urlbordercolor\relax
17770       \else
17771         /C[\@urlbordercolor]%
17772       \fi
17773       /A<<%
17774       /S/URI%
17775       /URI(\Hy@pstringURI)%
17776       \ifHy@href@ismap
17777         /IsMap true%
17778       \fi
17779       \Hy@href@nextactionraw
17780       >>%
17781     >>%
17782   }%

```



```

17783 \Hy@colorlink\@urlcolor
17784 }%
17785 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17786 \Hy@EndAnnot
17787 }
17788 \def\Acrobatmenu#1#2{%
17789 \Hy@Acrobatmenu{#1}{#2}{%
17790 \Hy@BeginAnnot{%
17791 \EdefEscapeName\Hy@temp@menu{#1}%
17792 \@pdfm@mark{%
17793 bann<<%
17794 /Type/Annot%
17795 /Subtype/Link%
17796 \ifHy@pdfa /F 4\fi
17797 \Hy@setpdfborder
17798 \ifx\@menubordercolor\relax
17799 \else
17800 /C[\@menubordercolor]%
17801 \fi
17802 /A<<%
17803 /S/Named%
17804 /N/\Hy@temp@menu
17805 \Hy@href@nextactionraw
17806 >>%
17807 >>%
17808 }%
17809 \Hy@colorlink\@menucolor
17810 }%
17811 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17812 \Hy@EndAnnot
17813 }%
17814 }
17815 \def\hyper@natlinkstart#1{%
17816 \Hy@backout{#1}%
17817 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17818 \def\hyper@nat@current{#1}%
17819 }
17820 \def\hyper@natlinkend{%
17821 \if@RTL\endR\fi\hyper@linkend
17822 }
17823 \def\hyper@natlinkbreak#1#2{%
17824 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17825 }%
17826 }
17827 \pdfstringdefDisableCommands{%
17828 \let\LRE\@firstofone
17829 \let\LR\@firstofone
17830 \let\RLE\@firstofone
17831 \let\RL\@firstofone
17832 \def\XeTeX{Xe\TeX}%
17833 \def\XeLaTeX{Xe\LaTeX}%
17834 }
17835 \bidi@patchcmd\@TextField{%
17836 \@pdfm@mark

```



```

17837 }{%
17838   \if@RTL
17839     \hskip\Fld@width
17840     \fi
17841     \@pdfm@mark
17842 }{}{}
17843 \bidi@patchcmd\@TextField{%
17844   \unhbox
17845 }{%
17846   \if@RTL
17847     \hskip-\Fld@width
17848     \fi
17849     \unhbox
17850 }{}{}
17851 \bidi@patchcmd\@@Radio{%
17852   \@pdfm@mark
17853 }{%
17854   \if@RTL
17855     \hskip\Fld@width
17856     \fi
17857     \@pdfm@mark
17858 }{}{}
17859 \bidi@patchcmd\@@Radio{%
17860   \unhcopy
17861 }{%
17862   \if@RTL
17863     \hskip-\Fld@width
17864     \fi
17865     \unhcopy
17866 }{}{}
17867 \bidi@patchcmd\@Submit{%
17868   \@pdfm@mark
17869 }{%
17870   \if@RTL
17871     \null
17872     \hskip\wd\pdfm@box
17873     \fi
17874     \@pdfm@mark
17875 }{}{}
17876 \bidi@patchcmd\@Submit{%
17877   \unhbox
17878 }{%
17879   \if@RTL
17880     \hskip-\wd\pdfm@box
17881     \fi
17882     \unhbox
17883 }{}{}
17884 \bidi@patchcmd\@Reset{%
17885   \@pdfm@mark
17886 }{%
17887   \if@RTL
17888     \null
17889     \hskip\wd\pdfm@box
17890     \fi

```



```

17891 \@pdfm@mark
17892 }{}{}
17893 \bidi@patchcmd\@Reset{%
17894   \unhbox
17895 }{%
17896   \if@RTL
17897     \hskip-\wd\pdfm@box
17898   \fi
17899   \unhbox
17900 }{}{}

```

104 File `imsproc-xetex-bidi.def`

```

17901 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
17902 \newenvironment{thebibliography}[1]{%
17903   \@bibtitlestyle
17904   \normalfont\bibliofont\labelsep .5em\relax
17905   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
17906   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17907   \bidi@thebibliography@font@hook
17908   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17909     \leftmargin\labelwidth \advance\leftmargin\labelsep
17910     \usecounter{enumiv}}%
17911   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17912   \sfcode`\.\@m
17913 }{%
17914 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17915 \endlist
17916 }
17917
17918 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
17919 \columnseprule\z@ \columnsep 35\p@
17920 \@indextitlestyle
17921 \thispagestyle{plain}%
17922 \let\item\@idxitem
17923 \parindent\z@ \parskip\z@\@plus.3\p@\relax
17924 \if@RTL\raggedleft\else\raggedright\fi
17925 \hyphenpenalty\@M
17926 \footnotesize}
17927 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
17928 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
17929 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
17930
17931 \def\right@footnoterule{%
17932   \kern-.4\p@
17933   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
17934   \kern11\p@\kern-\footnotesep}
17935 \def\left@footnoterule{\kern-.4\p@
17936   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
17937 \def\@makefnmark{%
17938   \leavevmode
17939   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
17940 }
17941

```



```

17942 \def\part{\@startsection{part}{0}%
17943   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
17944   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
17945 \def\@tocline#1#2#3#4#5#6#7{\relax
17946   \ifnum #1>\c@tocdepth % then omit
17947   \else
17948     \par \addpenalty\@secpenalty\addvspace{#2}%
17949     \begingroup \hyphenpenalty\@M
17950     \@ifempty{#4}{%
17951       \@tempdima\csname r@tocindent\number#1\endcsname\relax
17952     }{%
17953       \@tempdima#4\relax
17954     }%
17955     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
17956     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
17957     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
17958     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
17959     \nobreak
17960   \endgroup
17961   \fi}
17962 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
17963 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
17964 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
17965 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
17966 \def\maketitle{\par
17967   \@topnum\z@ % this prevents figures from falling at the top of page 1
17968   \@setcopyright
17969   \thispagestyle{firstpage}% this sets first page specifications
17970   \uppercase\shorttitle
17971   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
17972   \else \andify\shortauthors
17973   \fi
17974   \@maketitle@hook
17975   \begingroup
17976   \@maketitle
17977   \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
17978   \toks4{\def\\{\ignorespaces}}% defend against questionable usage
17979   \edef\@tempa{%
17980     \@nx\markboth{\the\toks4
17981       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
17982   \@tempa
17983   \endgroup
17984   \c@footnote\z@
17985   \@cleartopmattertags
17986 }

```

105 File leqno-xetex-bidi.def

```

17987 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
17988 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
17989   \rlap{\hskip -\displaywidth
17990     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```



106 File letter-xetex-bidi.def

```
17991 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter cl
17992 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
17993   \thispagestyle{firstpage}%
17994   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
17995 \else % home address
17996   \thispagestyle{empty}%
17997   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
17998     \fromaddress \*[2\parskip]%
17999     \@date \end{tabular}\par}%
18000 \fi
18001 \vspace{2\parskip}%
18002 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
18003 \vspace{2\parskip}%
18004 #1\par\nobreak}
18005 \renewcommand\left@footnoterule{%
18006   \kern-\p@
18007   \hrule \@width .4\columnwidth
18008   \kern .6\p@}
18009 \renewcommand\right@footnoterule{%
18010   \kern-\p@
18011   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18012   \kern .6\p@}
```

107 File lettrine-xetex-bidi.def

```
18013 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine package
18014 \RemoveFromHook{begindocument}[lettrine]
18015 \AtBeginDocument[lettrine]{%
18016   \if\DefaultOptionsFile\relax
18017   \else
18018     \InputIfFileExists{\DefaultOptionsFile}%
18019     {}%
18020     {\PackageWarning{lettrine.sty}%
18021       {File \DefaultOptionsFile\space not found}%
18022     }%
18023   \fi
18024   \let\ifL@RTL\if@RTL
18025 }
```

108 File lineno-xetex-bidi.def

```
18026 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package for
18027 \bidi@patchcmd{\MakeLineNo}{%
18028   \hb@xt@\z@{\makeLineNumber}%
18029 }{%
18030   \hboxL to \z@{\makeLineNumber}%
18031 }{}{}
18032
18033 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18034   \if@RTL
18035     \hb@xt@\linenumberwidth{\LineNumber\hss}%
18036   \else
```



```

18037     \LineNumber
18038     \fi
18039 }{}{}
18040
18041 \bidi@patchcmd{\makeLineNumberRight}{%
18042     \hb@xt@\linenumberwidth{\hss\LineNumber}%
18043 }{%
18044     \if@RTL
18045         \LineNumber
18046     \else
18047         \hb@xt@\linenumberwidth{\hss\LineNumber}%
18048     \fi
18049 }{}{}
18050
18051 \bidi@AfterPreamble{%
18052     \if@RTLmain
18053         \rightlinenumbers*
18054     \else
18055         \leftlinenumbers*
18056     \fi
18057     \@ifpackagewith{lineno}{left}{%
18058         \leftlinenumbers*
18059     }{}
18060     \@ifpackagewith{lineno}{right}{%
18061         \rightlinenumbers*
18062     }{}
18063     \@ifpackagewith{lineno}{switch}{%
18064         \if@RTLmain
18065             \switchlinenumbers*%
18066         \else
18067             \switchlinenumbers
18068         \fi
18069     }{}
18070     \@ifpackagewith{lineno}{switch*}{%
18071         \if@RTLmain
18072             \switchlinenumbers
18073         \else
18074             \switchlinenumbers*%
18075         \fi
18076     }{}
18077 }
18078

```

109 File listings-xetex-bidi.def

```

18079 \ProvidesFile{listings-xetex-bidi.def}[2025/01/03 v1.6 bidi adaptations for listings package]
18080 \lst@Key{captiondirection}{textdirection}{%
18081     \lstKV@SwitchCases{#1}%
18082     {textdirection:\\%
18083         RTL:\chardef\bidi@lst@caption@direction\@ne\\%
18084         LTR:\chardef\bidi@lst@caption@direction\z@%
18085     }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18086
18087 \lst@Key{captionscript}{textscript}{%

```



```

18088 \lstKV@SwitchCases{#1}%
18089 {textscript:\\%
18090 latin:\chardef\bidi@lst@caption@script\@ne\\%
18091 nonlatin:\chardef\bidi@lst@caption@script\z@%
18092 }\PackageError{Listings}{direction #1 unknown}\@ehc}}
18093
18094 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18095 \@ifundefined{bidi@lst@caption@direction}{\%
18096 \ifnum\bidi@lst@caption@direction=\z@%
18097 #1%
18098 \else%
18099 \ifnum\bidi@lst@caption@direction=\@ne%
18100 #2%
18101 \fi%
18102 \fi%
18103 }}
18104
18105 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18106 \@ifundefined{bidi@lst@caption@script}{\%
18107 \ifnum\bidi@lst@caption@script=\z@%
18108 #1%
18109 \else%
18110 \ifnum\bidi@lst@caption@script=\@ne%
18111 #2%
18112 \fi%
18113 \fi%
18114 }}
18115
18116 \long\def\@bidi@lst@makecaption#1#2{%
18117 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18118 \vskip\abovecaptionskip
18119 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18120 \sbox\@tempboxa{%
18121 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18122 #1: #2%
18123 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18124 }%
18125 \ifdim \wd\@tempboxa >\hsize
18126 #1: #2\par
18127 \else
18128 \global \@minipagefalse
18129 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
18130 \fi
18131 \vskip\belowcaptionskip}%
18132 \def\lst@makecaption{\@bidi@lst@makecaption}
18133 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18134 \bidi@AtEndPreamble{%
18135 \bidi@patchcmd{\lst@MakeCaption}{\%
18136 \ifx #1t%
18137 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18138 \expandafter\refstepcounter
18139 \fi {\lstlisting}}%
18140 }{%
18141 \ifx #1t%

```



```

18142      \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18143      \ifx\lst@caption\empty\expandafter\lst@HRefStepCounter \else
18144      \expandafter\refstepcounter
18145      \fi {lstlisting}%
18146      \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18147    }{}{}%
18148    \bidi@patchcmd{\lst@MakeCaption}{%
18149      \addcontentsline{lol}{lstlisting}%
18150      {\protect\numberline{\thelstlisting}\lst@caption}%
18151    }{}%
18152    \begingroup%
18153      \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18154      \addcontentsline{lol}{lstlisting}%
18155      {\protect\numberline{\thelstlisting}\lst@caption}%
18156    \endgroup%
18157  }{}{}%
18158 }
18159 \ApplyPatchIfPackageLoaded{caption}{%
18160   \AtBeginCaption{%
18161     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18162     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18163   }
18164   \let\@bidi@lst@makecaption\caption@makecaption%
18165   \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
18166   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\empty}%
18167 }{}%
18168 \AtBeginDocument{%
18169   \@ifundefined{captionlabelfalse}{}{}%
18170   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\empty}}%
18171   \@ifundefined{caption@startrue}{}{}%
18172   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\empty}}%
18173 }{}%
18174 }
18175 \AtBeginDocument{
18176   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
18177   \lst@ifnumberbychapter
18178     \gdef\thelstlisting%
18179     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18180   \else
18181     \gdef\thelstlisting{\@arabic\c@lstlisting}
18182   \fi}

```

110 File longtable-xetex-bidi.def

```

18183 \ProvidesFile{longtable-xetex-bidi.def}[2025/01/05 v0.8 bidi adaptations for longtable packa
18184 \ExplSyntaxOn
18185 \def\LT@array[#1]#2{%
18186   \UseTaggingSocket{tbl/init}
18187   \tl_if_empty:eTF { \LTcaptive }
18188   {
18189     \tl_gset:Ne \@currentHref {LT@tables.\theHLT@tables}
18190   }
18191   {
18192     \@kernel@refstepcounter{\LTcaptive}\stepcounter{LT@tables}

```



```

18193     \tl_gset:Ne \@currentHref {\LTcapytype.\cs_if_exist_use:c {theH\LTcapytype}}
18194   }
18195   \tbl_gzero_row_count:
18196   \UseTaggingSocket{tbl/longtable/init}
18197   \if l#1%
18198     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
18199   \else\if r#1%
18200     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18201   \else\if c#1%
18202     \LTleft\fill \LTright\fill
18203   \fi\fi\fi
18204   \let\LT@mc\multicolumn
18205   \let\LT@@tabarray\@tabarray
18206   \let\LT@@hl\hline
18207   \def\@tabarray{%
18208     \let\hline\LT@@hl
18209     \LT@@tabarray}%
18210   \let\\LT@tabularcr
18211   \let\tabularnewline\\
18212   \def\newpage{\noalign{\break}}%
18213   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
18214   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
18215   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18216   \@tempdima\ht\strutbox
18217   \let\@endpbox\LT@endpbox
18218   \ifx\extrarowheight\@undefined
18219     \let\@acol\@tabacol
18220     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18221     \def\@startpbox{\vtop\LT@startpbox}%
18222     \let\@@startpbox\@startpbox
18223     \let\@@endpbox\@endpbox
18224     \let\LT@LL@FM@cr\@tabularcr
18225   \else
18226     \advance\@tempdima\extrarowheight
18227     \col@sep\tabcolsep
18228     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18229   \fi
18230   \setbox\@arstrutbox\hbox{\vrule
18231     \@height \arraystretch \@tempdima
18232     \@depth \arraystretch \dp \strutbox
18233     \@width \z@}%
18234   \let\@sharp##\let\protect\relax
18235   \begingroup
18236   \@mkpream{#2}%
18237   \tbl_count_table_cols:
18238   \xdef\LT@bchunk{%
18239     \tbl_inbetween_rows:
18240     \global\advance\c@LT@chunks\@ne
18241     \global\LT@rows\z@\setbox\z@\vbox\bgroup
18242     \LT@setprevdepth
18243     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18244     \tabskip\z@ \@arstrut
18245     \UseTaggingSocket{tbl/row/begin}%
18246     \tbl_init_cell_data_for_row:

```



```

18247 \@preamble \tabskip\LTright \cr}%
18248 \endgroup
18249 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18250 \LT@make@row
18251 \m@th\let\par\@empty
18252 \everycr{%
18253 \noalign{%
18254 \tbl_trace:n {--longtable-->~chunk~row:~ \the\LT@rows \space
18255 row:~ \the\g__tbl_row_int \space
18256 column:~ \the\g__tbl_col_int
18257 }
18258 \tbl_if_row_was_started:T
18259 {
18260 \UseTaggingSocket{tbl/row/end}
18261 \tbl_inbetween_rows:
18262 }
18263 \int_compare:nNt \LT@rows < \LTchunksize
18264 { \tbl_gincr_row_count: } % next is row about to start
18265 }%
18266 }%
18267 \lineskip\z@\baselineskip\z@
18268 \LT@bchunk}
18269 \ExplSyntaxOff
18270 \def\LT@makecaption#1#2#3{%
18271 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
18272 \reset@font
18273 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
18274 \ifdim\wd\@tempboxa>\hsize
18275 #1{#2: }#3%
18276 \else
18277 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
18278 \fi
18279 \endgraf\vskip\baselineskip}%
18280 \hss}}}%
18281 \ApplyPatchCodeToPackage{caption}{%
18282 \renewcommand\LT@makecaption[3]{%
18283 \caption@LT@make{%
18284 \caption@LT@settype\LTcaptype
18285 \caption@LT@setup
18286 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
18287 \caption@startrue#1\caption@starfalse
18288 \caption@prepare@stepcounter\LTcaptype
18289 \caption@begin\LTcaptype
18290 \caption@normalsize
18291 \vskip-\ht\strutbox
18292 \caption@ifdefined\FBifcapttop{%
18293 \let\caption@belowskip\@empty}{}%
18294 \caption@make@above
18295 \caption@@make{#2}{#3}\endgraf
18296 \caption@make@below
18297 \caption@end}}}%
18298 }
18299 \def\LT@startpbox#1{%
18300 \bgroup

```



```

18301 \color@begingroup
18302 \let\@footnotetext\LT@p@ftntext
18303 \let\@LTRfootnotetext\LT@p@LTRftntext
18304 \let\@RTLfootnotetext\LT@p@RTLftntext
18305 \setlength\hsize{#1}%
18306 \@arrayparboxrestore
18307 \everypar{%
18308 \vrule \@height \ht\@arstrutbox \@width \z@
18309 \everypar{}}%
18310 }
18311 \long\def\LT@p@LTRftntext#1{%
18312 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
18313 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18314 \long\def\LT@p@RTLftntext#1{%
18315 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
18316 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18317 \def\LT@output{%
18318 \ifnum\outputpenalty <-\@Mi
18319 \ifnum\outputpenalty > -\LT@end@pen
18320 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18321 \else
18322 \setbox\z@\vbox{\unvbox\@cclv}%
18323 \ifdim \ht\LT@lastfoot>\ht\LT@foot
18324 \dimen@ \pagegoal
18325 \advance\dimen@ \ht\LT@foot
18326 \advance\dimen@ -\ht\LT@lastfoot
18327 \ifdim\dimen@<\ht\z@
18328 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18329 \@makecol
18330 \@outputpage
18331 \global\vsizel\@colroom
18332 \setbox\z@\vbox{\box\LT@head}%
18333 \fi
18334 \fi
18335 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
18336 \unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastfoot\fi
18337 \UseTaggingSocket{tbl/longtable/foot}
18338 \if@RTLtab\egroup\endR\egroup\fi
18339 \fi
18340 \else
18341 \setbox\@cclv\vbox{%
18342 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
18343 \unvbox\@cclv\copy\LT@foot\vss
18344 \if@RTLtab\egroup\endR\egroup\fi
18345 }%
18346 \UseTaggingSocket{tbl/longtable/foot}
18347 \@makecol
18348 \@outputpage
18349 \global\vsizel\@colroom
18350 \copy\LT@head\nobreak
18351 \fi}

```

111 File lscape-xetex-bidi.def



```

18352 \ProvidesFile{lscape-xetex-bidi.def}[2025/01/03 v0.3 bidi adaptations for lscape package for
18353 \RequirePackage{graphicx}
18354 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18355   \if@RTL
18356     \rotatebox[origin=br]{-90}{\box\@outputbox}%
18357   \else
18358     \rotatebox{90}{\box\@outputbox}%
18359   \fi
18360 }{}{}
18361
18362 \g@addto@macro{\landscape}{%
18363   \if@bidi@csdef{bidi@columnwidth}{%
18364     \bidi@columnwidth\columnwidth
18365   }{}%
18366   \let\bidi@left@footnoterule\left@footnoterule
18367   \let\bidi@right@footnoterule\right@footnoterule
18368   \def\left@footnoterule{%
18369     \if@RTL
18370       \bidi@right@footnoterule
18371     \else
18372       \bidi@left@footnoterule
18373     \fi
18374   }%
18375   \def\right@footnoterule{%
18376     \if@RTL
18377       \bidi@left@footnoterule
18378     \else
18379       \bidi@right@footnoterule
18380     \fi
18381   }%
18382 }

```

112 File mathtools-xetex-bidi.def

```

18383 \ProvidesFile{mathtools-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for mathtools packa
18384 \RequirePackage{graphicx}
18385 \MHInternalSyntaxOn
18386 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18387   \@namedef{MT_tagform_#1:n}##1
18388   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
18389 }
18390 \renewtagform{default}{(){} }
18391 \MHInternalSyntaxOff

```

113 File mdframed-xetex-bidi.def

```

18392 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
18393 \newif\if@bidi@mdf@RTL
18394 \def\mdf@lrbox#1{%
18395   \mdf@patchamsthm%patch amsthm
18396   \if@RTL\@bidi@mdf@RTLtrue\fi%
18397   \@RTLfalse%
18398   \setbox#1\vbox\bgroup%
18399   \color@begingroup%

```




```

18400 \if@bidi@mdf@RTL\@RTLtrue\fi%
18401 \mdf@horizontalmargin@equation%
18402 \columnwidth=\hsize%
18403 \textwidth=\hsize%
18404 \let\if@nobreak\iffalse%
18405 \let\if@noskipsec\iffalse%
18406 \let\par\@par%
18407 \let\-\@dischyph%
18408 \let'\@acci\let'\@accii\let\=\@acciii%
18409 \parindent\z@ \parskip\z@skip%
18410 \linewidth\hsize%
18411 \@totalleftmargin\z@%
18412 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18413 \parfillskip\@flushglue \lineskip\normallineskip%
18414 \baselineskip\normalbaselineskip%
18415 %% \sloppy%
18416 \let\\\@normalcr%
18417 \mdf@par@local%New feature to restore parskip/parindent local in save box
18418 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18419 \@afterindentfalse%
18420 %\@afterheading%
18421 }
18422 \renewrobustcmd\mdfframetitleenv[1]{%
18423 \mdf@lrbox{\mdf@frametitlebox}%
18424 \mdf@frametitlealignment%
18425 \leavevmode{\color{\mdf@frametitlefontcolor}%
18426 \normalfont\mdf@frametitlefont{#1}
18427 \ifbool{mdf@ignorelastdescenders}%
18428 {%
18429 \par\strut\par
18430 \unskip\unskip\setbox0=\lastbox
18431 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18432 }{}}%
18433 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18434 \endmdf@lrbox\relax%
18435 \mdf@ignorevbadness%
18436 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18437 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18438 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18439 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18440 \mdfframetitleboxtotalheight=\dimexpr
18441 \ht\mdf@frametitlebox
18442 +\dp\mdf@frametitlebox%
18443 +\mdf@frametitleaboveskip@length
18444 +\mdf@frametitlebelowskip@length
18445 \relax%
18446 }
18447
18448 \renewrobustcmd*\mdf@footnoteoutput{%
18449 \ifvoid\@mpfootins\else%
18450 \nobreak%
18451 \vskip\mdf@footnotedistance@length%
18452 \normalcolor%
18453 \bidi@mpfootnoterule%

```



```

18454         \unvbox\@mpfootins%
18455     \fi%
18456 }
18457
18458
18459 \renewrobustcmd*\mdf@footnoteinput{%
18460     \def\@mpfn{mpfootnote}%
18461     \def\thempfn{\thempfootnote}%
18462     \c@mpfootnote\z@%
18463     \let\@footnotetext\@mpfootnotetext%
18464     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18465     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18466 }

```

114 File media9-xetex-bidi.def

```

18467 \ProvidesFile{media9-xetex-bidi.def}[2025/01/03 v0.1 bidi adaptations for media9 package for
18468 \RequirePackage{bidi-media9}

```

115 File bidi-media9.sty

```

18469 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18470 {bidi fixes for media9 package for the XeTeX engine}
18471
18472 \keys_define:nn{media9/mbtn}{
18473     draft .code:n = {},
18474     final .code:n = {},
18475
18476     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18477     tooltip .value_required:n = {true},
18478
18479     overface .code:n = {
18480         \sbox\l_mix_poster_box{
18481             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18482             \mix_pdfxform:n{\l_mix_poster_box}
18483             \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18484         },
18485         overface .value_required:n = {true},
18486
18487     downface .code:n = {
18488         \sbox\l_mix_poster_box{
18489             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18490             \mix_pdfxform:n{\l_mix_poster_box}
18491             \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18492         },
18493         downface .value_required:n = {true},
18494
18495     3Dgotoview .code:n = {
18496         \tl_set:Nx\l_tmpa_tl{#1} %extract ref
18497         \regex_replace_once:nnN{([~:])+}??.*{\1}\l_tmpa_tl
18498         \tl_trim_spaces:N\l_tmpa_tl
18499         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18500             \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18501                 \tl_set:Nx\l_tmpb_tl{#1} %extract idx

```



```

18502 \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
18503 \tl_trim_spaces:N\l_tmpb_tl
18504 \tl_if_blank:VF\l_tmpb_tl{
18505 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18506 \tl_set:Nx\l_mix_vidx_tl{/ \l_tmpb_tl}
18507 }{
18508 \regex_match:nVTF{^\d+$}\l_tmpb_tl{
18509 \tl_set:Nx\l_mix_vidx_tl{~ \l_tmpb_tl}
18510 }{
18511 \regex_replace_once:nnN{^\(s*\)}\l_tmpb_tl
18512 \regex_replace_once:nnN{(s*)$}\l_tmpb_tl
18513 \tl_set:Nx\l_mix_vidx_tl{~ (\l_tmpb_tl)}
18514 }
18515 }
18516 }
18517 \mix_pdfobj:nnn{}{dict}{
18518 /S/JavaScript/JS~(
18519 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18520 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18521 annotRM['\l_tmpa_tl']=
18522 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18523 }
18524 annotRM['\l_tmpa_tl'].activated=true;
18525 )
18526 \tl_if_blank:VF\l_tmpb_tl{
18527 /Next~<<
18528 /S/GoTo3DView
18529 /TA~\tl_use:c{ann@\l_tmpa_tl}
18530 /V\l_mix_vidx_tl
18531 >>
18532 }
18533 }
18534 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18535 }
18536 }{
18537 \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18538 \cs_if_exist:NF\g_mix_refundefwarned_tl{
18539 \tl_new:N\g_mix_refundefwarned_tl
18540 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18541 }
18542 }
18543 },
18544 3Dgotoview .value_required:n = {true},
18545
18546 mediacommand .code:n = {
18547 \tl_set:Nx\l_tmpa_tl{#1}
18548 \regex_replace_once:nnN{([^\:]+\:)?\:}{\1}\l_tmpa_tl %extract ref
18549 \tl_trim_spaces:N\l_tmpa_tl
18550 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18551 \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18552 \tl_set:Nx\l_tmpb_tl{#1}
18553 \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl}
18554 \tl_trim_spaces:N\l_tmpb_tl
18555 \regex_replace_all:nnN{^\(|\|}$}{\l_tmpb_tl}

```



```

18556 \tl_set:Nx\l_mix_cmd_tl{
18557   \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
18558 \tl_trim_spaces:N\l_mix_cmd_tl
18559 \tl_set:Nx\l_mix_arg_tl{
18560   \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18561 \tl_trim_spaces:N\l_mix_arg_tl
18562 \mix_pdfobj:nnn{}{dict}{
18563   /S/JavaScript/JS~(
18564     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18565     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18566       annotRM['\l_tmpa_tl']=
18567         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18568     }
18569     annotRM['\l_tmpa_tl'].activated=true;
18570   )
18571 \tl_if_blank:VF\l_mix_cmd_tl{
18572   /Next~<<
18573   /S/RichMediaExecute
18574   /TA~\tl_use:c{ann@\l_tmpa_tl}
18575   /TI~\tl_use:c{main@\l_tmpa_tl}
18576   /CMD~<<
18577   /C~(\l_mix_cmd_tl)
18578   \tl_if_blank:VF\l_mix_arg_tl{
18579     /A~[\l_mix_arg_tl]
18580   }
18581   >>
18582   >>
18583 }
18584 }
18585 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18586 }
18587 }{
18588   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
18589   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18590     \tl_new:N\g_mix_refundefwarned_tl
18591     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
18592   }
18593 }
18594 },
18595 mediacommand .value_required:n = {true},
18596
18597 jsaction .code:n = {
18598   \tl_set:Nx\l_tmpa_tl{#1}
18599   \regex_match:nVTF{^[^{:}]++.*$}\l_tmpa_tl{
18600     \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl %extract ref
18601     \tl_trim_spaces:N\l_tmpa_tl
18602   }{\tl_clear:N\l_tmpa_tl}
18603   \tl_set:Nx\l_tmpb_tl{#1}
18604   \tl_if_blank:VF\l_tmpa_tl{
18605     \tl_if_exist:cF{ann@\l_tmpa_tl}{
18606       \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
18607       \cs_if_exist:NF\g_mix_refundefwarned_tl{
18608         \tl_new:N\g_mix_refundefwarned_tl
18609         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}

```



```

18610     }
18611   }
18612   \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
18613 }
18614 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18615 \tl_trim_spaces:N\l_tmpb_tl
18616 \tl_if_blank:VF\l_tmpb_tl{
18617 \mix_pdfobj:nnn{}{dict}}{
18618   /S/JavaScript/JS~(
18619     try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
18620 \bool_lazy_and:nnT{
18621   \tl_if_exist_p:c{ann@\l_tmpa_tl}
18622 }{
18623   !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18624 }{
18625   \mix_pdfobj:nnn{}{dict}{
18626     /S/JavaScript/JS~(
18627       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18628       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18629         annotRM['\l_tmpa_tl']=
18630           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18631       }
18632       annotRM['\l_tmpa_tl'].activated=true;
18633     )
18634     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
18635   }
18636 }
18637 \bool_if:nT{
18638   \bool_lazy_and_p:nn{
18639     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18640   }{
18641     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18642   }
18643   || !\tl_if_blank_p:V\l_tmpb_tl
18644 }{
18645   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18646 }
18647 },
18648 jsaction .value_required:n = {true},
18649
18650 unknown .code:n = {
18651   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
18652 }
18653 }
18654
18655 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
18656 \mix_uriend:
18657 \group_begin:
18658 \mix_beginLTR:
18659 \mode_leave_vertical:
18660 %empty stream as appearance dummy
18661 \cs_if_exist:NF\g_mix_appearance_tl{
18662   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}}
18663   \mix_pdfxform:n{\l_mix_poster_box}

```



```

18664 \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18665 }
18666 \mix_reset:
18667 \mix_uribegin: %treat URI characters correctly
18668 \keys_set:nn{media9/user}{#1}
18669 \mix_uriend:
18670 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
18671 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
18672 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
18673 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
18674 \tl_gtrim_spaces:N\g_mix_flashvars_tl
18675
18676 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
18677
18678 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
18679 %\hbox_set:Nn\l_mix_poster_box{#2}
18680 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
18681 \mix_scale:n{\l_mix_poster_box}
18682 \bool_if:nTF{
18683   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
18684   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
18685 }{
18686   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
18687 }
18688 \bool_if:NTF\g_mix_usrdraft_bool{
18689   \tl_if_empty:NF\g_mix_usrlabel_tl{
18690     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
18691   }
18692   \tl_if_blank:oTF{#2}{
18693     \mix_uribegin: %treat URI characters correctly
18694     \mix_draftbox:n{\tl_to_str:n{#3}}
18695     \mix_uriend:
18696   }{
18697     \hbox_to_wd:nn{\g_mix_wd_tl}{
18698       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
18699       \box_use:N\l_mix_poster_box\hss
18700     }
18701   }
18702 }{
18703   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
18704     %attach script that switches off play button overlay upon activation
18705     \mix_pdfobj:nnn{}{stream}{
18706       {}{
18707         var~ocgs=host.getOCGs(host.pageNum);
18708         for(var~i=0;i<ocgs.length;i++){
18709           if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
18710             ocgs[i].state=false;
18711           }
18712         }
18713       }
18714     }
18715     \mix_pdfobj:nnn{}{dict}{
18716       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
18717     }

```



```

18718 \tl_gset:Nx\g_mix_assets_tl{(btnoff)-\mix_pdflastobj:}
18719 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
18720 %enforce plain playbutton overlay for XeTeX
18721 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
18722 }
18723 %embed main asset
18724 \mix_uribegin:
18725 \mix_embedasset:n{#3}
18726 \bool_if:nTF{
18727 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
18728 }{
18729 \bool_gset_true:N\g_mix_iiid_bool
18730 \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
18731 }{
18732 \str_case_e:nnF{\l_mix_base_tl}{
18733 {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18734 {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
18735 {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18736 {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18737 {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
18738 }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
18739 }
18740 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
18741 \mix_uriend:
18742 %secondary assets (added by addresource)
18743 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
18744 \seq_map_inline:Nn\g_mix_script_seq{
18745 \mix_embedasset:n{##1}
18746 \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
18747 }
18748 %attach 3D calculation script
18749 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
18750 \mix_embedasset:n{3Dmenu.js}
18751 \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
18752 }
18753 %create 3D views from file (option 3Dviews)
18754 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
18755 \tl_set:Nn\l_mix_level_tl{-1}
18756 \int_zero:N\l_mix_viewcnt_int
18757 \int_zero:N\l_mix_lineno_int
18758
18759 \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
18760 \ior_map_inline:Nn\l_mix_vfile_stream{
18761 \int_incr:N\l_mix_lineno_int
18762 \keys_set:nn{media9/views}{##1} %process input line
18763 }
18764 \ior_close:N\l_mix_vfile_stream
18765 }
18766 \bool_if:nT{ %create default 3D view if required
18767 \g_mix_iiid_bool &&
18768 (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
18769 }{
18770 \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
18771 \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl

```



```

18772 \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
18773 \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
18774 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
18775 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
18776 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
18777
18778 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
18779 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
18780 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
18781 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
18782
18783 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
18784 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
18785 \tl_clear:N\l_mix_naarray_tl
18786
18787 \bool_if:NF\l_mix_ciiw_bool{
18788   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
18789   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
18790 }
18791
18792 \tl_clear:N\l_mix_naarray_tl
18793 \tl_clear:N\l_mix_saarray_tl
18794 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
18795
18796 \mix_view:n{Default}
18797 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
18798
18799 }
18800 \mix_pdfobj:nnn{}{dict}{
18801   /Type/RichMediaInstance
18802   /Subtype/\g_mix_mainassetsub_tl
18803   /Asset~\g_mix_mainasset_tl
18804   \bool_if:NF\g_mix_iiid_bool{
18805     /Params~<<
18806     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
18807       /Foreground
18808     }{
18809       /Background
18810     }
18811     \tl_if_blank:VF\g_mix_flashvars_tl{
18812       /FlashVars~(\g_mix_flashvars_tl)
18813     }
18814     >>
18815   }
18816 }
18817 \tl_if_empty:NF\g_mix_usrlabel_tl{
18818   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
18819 }
18820 \mix_pdfobj:nnn{}{dict}{
18821   /Type/RichMediaConfiguration
18822   /Subtype/\g_mix_mainassetsub_tl
18823   /Instances~[\mix_pdflastobj:]
18824 }
18825 \mix_pdfobj:nnn{}{dict}{

```




```

18826 /Type/RichMediaContent
18827 /Assets~<</Names~[\g_mix_assets_tl]>>
18828 /Configurations~[\mix_pdflastobj:]
18829 \bool_if:nT{
18830   \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
18831 }{
18832   /Views~[\l_mix_iiidviewarray_tl]
18833 }
18834 }
18835 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
18836 \bool_if:nT{
18837   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
18838 }{
18839   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
18840 }
18841 %determine floating window size
18842 \bool_if:NT\g_mix_opt_windowed_bool{
18843   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
18844 }
18845 \mix_pdfobj:nnn{}{dict}{
18846   /Activation~<<
18847     /Condition\g_mix_act_tl
18848     \bool_if:nT{
18849       \g_mix_iiid_bool &&
18850       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
18851     }{%seems to work only with 3D content
18852       /Animation~<<
18853         /Subtype/\g_mix_playtpe_tl
18854         /PlayCount~\g_mix_playcnt_tl
18855         /Speed~\g_mix_playspd_tl
18856       >>
18857     }
18858     \bool_if:nT{
18859       \g_mix_iiid_bool && (
18860         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
18861       )
18862     }{/View~\l_mix_dfltview_tl}
18863     /Presentation~<<
18864       /Transparent~\g_mix_transp_tl
18865       \bool_if:NTF\g_mix_opt_windowed_bool{
18866         /Style/Windowed
18867         /Window~<<
18868           /Width~<</Default~\tl_mix_fltd>>
18869           /Height~<</Default~\tl_mix_fltht>>
18870           /Position~<<
18871             /HOffset~0/VOffset~0
18872             \str_case_e:nnF{\g_mix_winpos_tl}{
18873               {tl}{/VAlign/Near/HAlign/Near}
18874               {cl}{/VAlign/Center/HAlign/Near}
18875               {bl}{/VAlign/Far/HAlign/Near}
18876               {bc}{/VAlign/Far/HAlign/Center}
18877               {br}{/VAlign/Far/HAlign/Far}
18878               {cr}{/VAlign/Center/HAlign/Far}
18879               {tr}{/VAlign/Near/HAlign/Far}

```



```

18880         {tc}{/VAlign/Near/HAlign/Center}
18881     }{/HAlign/Center/VAlign/Center}
18882     >>
18883     >>
18884     }{
18885         /Style/Embedded
18886     }
18887     \bool_if:NTF\g_mix_iiid_bool{
18888         /Toolbar~\g_mix_tools_tl
18889         /NavigationPane~\g_mix_nav_tl
18890     }{
18891         /PassContextClick~\g_mix_contextclick_tl
18892     }
18893     >>
18894     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
18895     >>
18896     /Deactivation~<</Condition\g_mix_deact_tl>>
18897 }
18898 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
18899 \tl_if_empty:NF\g_mix_usrlabel_tl{
18900     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
18901 }
18902 % #1:width, #2:height, #3:depth, #4:content (key-value)
18903 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
18904     /Subtype/RichMedia
18905     /F-4
18906     /BS~<</W-0/S/S>>
18907     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
18908     /NM~(\g_mix_label_tl)
18909     /AP~<</N~\g_mix_appearance_tl>>
18910     /RichMediaSettings~\l_mix_settings_tl
18911     /RichMediaContent~\l_mix_content_tl
18912 }
18913 \tl_if_empty:NF\g_mix_usrlabel_tl{
18914     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
18915     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
18916         \noexpand\the\g@mix@page@int}
18917 }
18918 \mix_pdfobj:nnn{}{dict}{
18919     /S/JavaScript/JS~(
18920     try{
18921         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18922         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
18923             annotRM['\g_mix_label_tl']=
18924                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
18925         }
18926         \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
18927             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
18928                 var~ocgs=this.getOCGs(this.pageNum);
18929                 for(var~i=0;i<ocgs.length;i++){
18930                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
18931                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
18932                     }
18933                 }

```



```

18934         }
18935         if(
18936             !annotRM['\g_mix_label_tl'].activated&&(
18937                 app.viewerType=='Reader' ||
18938                 app.viewerType=='Exchange' ||
18939                 app.viewerType=='Exchange-Pro'
18940             )&&app.viewerVersion>=9
18941         ){
18942             ocbBtn\int_use:N\g_mix_rmcnt_int.state=true;
18943         }
18944     }
18945 }catch(e){}
18946 this.dirty=false;
18947 )
18948 }
18949 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
18950     /Subtype/Widget
18951     /FT/Btn/Ff~65537/F~2
18952     /BS~<</W~0>>
18953     /T~(fd@ \g_mix_label_tl)
18954     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
18955 }
18956 \mix_appendtofields:n{\mix_pdflastann:}
18957 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
18958 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
18959     \hbox_to_wd:nn{\g_mix_wd_tl}{
18960         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
18961     }
18962 }{%insert play button overlay
18963     \mix_insert_btnocg: %create OCG
18964     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
18965     \group_begin:
18966     \cs_if_exist:NT\textdir{\textdir TLT}
18967     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
18968     \box_move_down:nn{\g_mix_dp_tl}{
18969         \hbox_to_wd:nn{\g_mix_wd_tl}{
18970             \vbox_to_ht:nn{\g_mix_tt_tl}{
18971                 \vss
18972                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
18973                 \box_use:N\l_mix_pbtn_box
18974                 \ocgbase_oc_emc:
18975             }
18976         }
18977     }
18978     \group_end:
18979 }
18980 \int_gincr:N\g_mix_rmcnt_int
18981 }
18982 \mix_endLTR:
18983 \group_end:
18984 }
18985 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
18986 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
18987

```



```

18988 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
18989   \mix_urriend:
18990   \group_begin:
18991   \mix_beginLTR:
18992   \mode_leave_vertical:
18993   %reset various variables
18994   \tl_gclear:N\g_mix_overbtn_tl
18995   \tl_gclear:N\g_mix_downbtn_tl
18996   \tl_gclear:N\g_mix_btnactions_tl
18997   \tl_gclear:N\g_mix_tooltip_tl
18998   %process options
18999   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19000   \mix_uribegin: %treat URI characters correctly
19001   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
19002   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
19003   \mix_urriend:
19004   %normal button appearance
19005   %\hbox_set:Nn\l_mix_poster_box{#2}
19006   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19007   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19008   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19009   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19010   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
19011     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
19012       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19013     \mix_pdfxform:n{\l_mix_poster_box}
19014     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19015     %insert widget annotation
19016     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19017       /Subtype/Widget
19018       /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
19019       \tl_if_empty:NF\g_mix_tooltip_tl{TU~(\g_mix_tooltip_tl)}
19020       /FT/Btn/Ff~65536
19021       \tl_if_empty:NF\g_mix_downbtn_tl{H/I}{H/P}
19022       /AP~<<
19023       /N~\g_mix_normalbtn_tl
19024       \tl_if_empty:NF\g_mix_overbtn_tl{R~\g_mix_overbtn_tl}
19025       \tl_if_empty:NF\g_mix_downbtn_tl{D~\g_mix_downbtn_tl}
19026     >>
19027     /MK~<<
19028     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19029     /I~\g_mix_normalbtn_tl
19030     \tl_if_empty:NF\g_mix_overbtn_tl{RI~\g_mix_overbtn_tl}
19031     \tl_if_empty:NF\g_mix_downbtn_tl{IX~\g_mix_downbtn_tl}
19032     >>
19033     /A~<<
19034     /S/JavaScript/JS~(app.focusRect=false;)
19035     %sequence of actions to perform
19036     \tl_if_empty:NF\g_mix_btnactions_tl{Next~[\g_mix_btnactions_tl]}
19037     >>
19038   }
19039   \mix_appendtofields:n{\mix_pdflastann:}
19040   \hbox_to_wd:nn{\width}{
19041     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss

```



```

19042     }
19043     \int_gincr:N\g_mix_mbtncnt_int
19044   }
19045   \mix_endLTR:
19046   \group_end:
19047 }
19048 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19049 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19050

```

116 File memoir-xetex-bidi.def

```

19051 \ProvidesFile{memoir-xetex-bidi.def}[2025/01/03 v0.7 bidi adaptations for memoir class for Xe
19052 \renewcommand{\keepthetitle}{%
19053   \@bsmtitleempty
19054   \global\let\thanks\relax
19055   \global\let\LTRthanks\relax
19056   \global\let\RTLthanks\relax
19057   \global\let\and\relax
19058   \global\let\andnext\relax
19059   \global\let\@thanks\@empty
19060   \global\let\@title\@empty
19061   \global\let\@author\@empty
19062   \global\let\@date\@empty}
19063 \renewcommand{\maketitle}{\par
19064   \begingroup
19065     \@bsmarkseries
19066     \def\@makefnmark{\@textsuperscript{%
19067       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
19068     \long\def\@makefntext##1{\makethanksmark ##1}
19069     \if@twocolumn
19070       \ifnum \col@number=\@one
19071         \@maketitle
19072       \else
19073         \twocolumn[\@maketitle]%
19074       \fi
19075     \else
19076       \ifdim\pagetotal>\z@
19077         \newpage
19078       \fi
19079       \global\@topnum\z@
19080       \@maketitle
19081     \fi
19082     \thispagestyle{title}\@thanks
19083   \endgroup
19084   \@bscontmark % \setcounter{footnote}{0}%
19085 }
19086 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19087 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19088 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19089 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19090 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19091 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19092 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}

```



```

19093 \renewcommand*{\thesubsection}{%
19094         \thesection\@SepMark\@arabic\c@section}
19095 \renewcommand*{\thesubsubsection}{%
19096         \thesubsection\@SepMark\@arabic\c@subsubsection}
19097 \renewcommand*{\theparagraph}{%
19098         \thesubsubsection\@SepMark\@arabic\c@paragraph}
19099 \renewcommand*{\thesubparagraph}{%
19100         \theparagraph\@SepMark\@arabic\c@subparagraph}
19101 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19102 \renewcommand{\theequation}{%
19103     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19104 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19105 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19106 \ifartopt
19107     \chapterstyle{article}
19108     \counterwithout{figure}{chapter}
19109     \counterwithout{table}{chapter}
19110     \counterwithout{footnote}{chapter}
19111     \counterwithout{equation}{chapter}
19112     \renewcommand{\chaptername}{}
19113     \renewcommand{\maketitlehookb}{%
19114         \vskip -1.5\topsep\vskip -1.5\partopsep}
19115     \renewcommand{\maketitlehookc}{%
19116         \vskip -1.5\topsep\vskip -1.5\partopsep}
19117 \fi
19118 \long\def\@makecaption#1#2{\let\@memtempa\relax
19119     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19120     \else \def\@memtempa{\vbox to\topskip{}}\fi
19121     \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
19122     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
19123     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19124     \let\footnote\@contfnote
19125     \let\footnotemark\@contfmark
19126     \ifdim\wd\@tempboxa<\linewidth \centering \fi
19127     \if@contcw
19128         \centering
19129         \parbox{\@contcwidth}{%
19130             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19131         }
19132     \ifdim\wd\@tempboxa<\linewidth
19133         \@contpre
19134         {\@contnfont #1\@contdelim}\@memtempa
19135         {\@contcshortstyle \@conttfont #2\@contfinal\par}
19136     \else
19137         \if@conthang
19138             \sbox\@tempboxa{\@contnfont #1\@contdelim}
19139             \@contpre%
19140             {\@contcstyle\hangindent=\wd\@tempboxa
19141                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19142         \else
19143             \if@contindent
19144                 \@contpre%
19145                 {\@contnfont #1\@contdelim}\@memtempa
19146                 {\@contcstyle\hangindent=\@contindw

```



```

19147             \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
19148         \else
19149             \@contpre%
19150             {\@contnfont #1\@contdelim}\@memtempa
19151             {\@contcstyle \@conttfont #2\@contfinal\par}
19152         \fi
19153     \fi
19154 \fi
19155 \@contpost
19156 \if@contcw
19157     \par
19158 } % end of the \parbox
19159 \fi
19160 \vskip\belowcaptionskip}
19161 \ApplyPatchCodeToPackage{caption}{%
19162 \AtBeginPackage{caption}{
19163 \ClassWarningNoLine{memoir}{%
19164 You are using the caption package with the memoir \MessageBreak
19165 class. This may cause unexpected or inconsistent \MessageBreak
19166 results if you use any of memoir's captioning facilities}
19167
19168 \long\def\@makecaption##1##2{%
19169 \vskip\abovecaptionskip
19170 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19171 \ifdim \wd\@tempboxa >\hsize
19172 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19173 \else
19174 \global \@minipagefalse
19175 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
19176 \fi
19177 \vskip\belowcaptionskip}
19178
19179 \def\caption{%
19180 \ifx\@cctype\@undefined
19181 \latexerror{noexpand\caption outside float}\@ehd
19182 \expandafter\@gobble
19183 \else
19184 \refstepcounter\@cctype
19185 \expandafter\@firstofone
19186 \fi
19187 {\@dblarg{\@caption\@cctype}}%
19188 }
19189
19190 \long\def\@caption##1[##2]##3{%
19191 \par
19192 \addcontentsline{\csname ext@##1\endcsname}{##1}%
19193 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19194 \begingroup
19195 \@parboxrestore
19196 \if@minipage
19197 \setminipage
19198 \fi
19199 \normalsize
19200 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par

```



```

19201 \endgroup}
19202 }}
19203 \renewenvironment{thebibliography}[1]{%
19204 \bibsection
19205 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19206 \bidi@thebibliography@font@hook%
19207 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

117 File midfloat-xetex-bidi.def

```

19208 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
19209 \def\RTL@outputdblcol{%
19210 \if@firstcolumn
19211 \global \@firstcolumnfalse
19212 \global\setbox\@leftcolumn\copy\@outputbox
19213 \splitmaxdepth\maxdimen
19214 \vbadness\maxdimen
19215 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19216 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19217 \toks@\expandafter{\topmark}%
19218 \xdef\@firstcoltopmark{\the\toks@}%
19219 \toks@\expandafter{\splitfirstmark}%
19220 \xdef\@firstcolfirstmark{\the\toks@}%
19221 \ifx\@firstcolfirstmark\@empty
19222 \global\let\@setmarks\relax
19223 \else
19224 \gdef\@setmarks{%
19225 \let\firstmark\@firstcolfirstmark
19226 \let\topmark\@firstcoltopmark}%
19227 \fi
19228 \global\c@colht\@colht\global\c@advvipersep\z@
19229 \ifnum\jua@sk>0
19230 \remove@strip\jua@sar
19231 \global\@colht\the\jua@pr
19232 \ifdim\right@cor>\z@
19233 \global\advance\@colht by\right@cor
19234 \fi
19235 \global\advance\@colht by\cor@height
19236 \global\cor@height=0pt
19237 \fi
19238 \global\setbox\@rightcolumn\vbox{}%
19239 \else
19240 \ifdim\c@colht>\@colht
19241 \@tempdima\@colht
19242 \ifdim\@colht>\z@
19243 \global\setbox\@rightcolumn\vbox{%
19244 \unvbox\@rightcolumn
19245 \vbox to\@tempdima{%
19246 \vskip\c@advvipersep\unvbox\@outputbox}%
19247 \vskip\stripsep
19248 \vrule height\the\jua@ht width 0pt depth 0pt
19249 \vskip\stripsep
19250 }%
19251 \global\c@advvipersep\m@advvipersep

```




```

19252         \else
19253         \global\setbox\@rightcolumn \vbox{%
19254             \unvbox\@rightcolumn
19255             \vrule height\the\jua@ht width Opt depth Opt
19256             \vskip\stripsep
19257         }%
19258     \fi
19259     \ifnum\jua@sk>0
19260         \remove@strip\jua@sar
19261         \global\@colht\the\jua@pr
19262         \global\advance\@colht by -\ht\@rightcolumn
19263         \global\advance\@colht by\cor@height
19264         \global\cor@height=0pt
19265     \else
19266         \global\advance\c@colht by-\ht\@rightcolumn
19267         \global\@colht\c@colht
19268     \fi
19269 \else
19270 \global\@firstcolumntrue
19271 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19272     \unvbox\@rightcolumn
19273     \vskip\c@addvipersep
19274     \unvbox\@outputbox
19275 }%
19276 \setbox\@outputbox \vbox {%
19277     \hb@xt@\textwidth {%
19278         \hskip \columnwidth
19279         \hfil
19280         \vrule \@width\columnseprule
19281         \hfil
19282         \hb@xt@\columnwidth {%
19283             \bidi@firstcolumn@status@write%
19284             \box\@leftcolumn \hss}%
19285         \hskip-\textwidth
19286         \hb@xt@\columnwidth {%
19287             \bidi@lastcolumn@status@write%
19288             \box\@outputbox \hss}%
19289         \hskip\columnwidth
19290         \hskip\columnsep}%
19291     }%
19292 \@combinedblfloats
19293 \@setmarks
19294 \@outputpage
19295 \begingroup
19296     \@dblfloatplacement
19297     \@startdblcolumn
19298     \@whiles\if@fcolmade \fi
19299     {\@outputpage
19300     \@startdblcolumn}%
19301 \endgroup
19302 \global\jua@sk=0\global\jua@sar={}%
19303 \global\cor@height\z@\global\c@addvipersep\z@
19304 \fi
19305 \fi

```



```

19306 }
19307
19308
19309 \def\LTR@outputdblcol{%
19310   \if@firstcolumn
19311     \global \@firstcolumnfalse
19312     \global\setbox\@leftcolumn\copy\@outputbox
19313     \splitmaxdepth\maxdimen
19314     \vbadness\maxdimen
19315     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19316     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19317     \toks@\expandafter{\topmark}%
19318     \xdef\@firstcoltopmark{\the\toks@}%
19319     \toks@\expandafter{\splitfirstmark}%
19320     \xdef\@firstcolfirstmark{\the\toks@}%
19321     \ifx\@firstcolfirstmark\@empty
19322       \global\let\@setmarks\relax
19323     \else
19324       \gdef\@setmarks{%
19325         \let\firstmark\@firstcolfirstmark
19326         \let\topmark\@firstcoltopmark}%
19327     \fi
19328     \global\c@colht\@colht\global\c@advvipersep\z@
19329     \ifnum\jua@sk>0
19330       \remove@strip\jua@sar
19331       \global\@colht\the\jua@pr
19332       \ifdim\right@cor>\z@
19333         \global\advance\@colht by\right@cor
19334       \fi
19335       \global\advance\@colht by\cor@height
19336       \global\cor@height=0pt
19337     \fi
19338     \global\setbox\@rightcolumn\vbox{%
19339   \else
19340     \ifdim\c@colht>\@colht
19341       \@tempdima\@colht
19342       \ifdim\@colht>\z@
19343         \global\setbox\@rightcolumn\vbox{%
19344           \unvbox\@rightcolumn
19345           \vbox to\@tempdima{%
19346             \vskip\c@advvipersep\unvbox\@outputbox}%
19347           \vskip\stripsep
19348           \vrule height\the\jua@ht width 0pt depth 0pt
19349           \vskip\stripsep
19350           }%
19351         \global\c@advvipersep\m@advvipersep
19352       \else
19353         \global\setbox\@rightcolumn\vbox{%
19354           \unvbox\@rightcolumn
19355           \vrule height\the\jua@ht width 0pt depth 0pt
19356           \vskip\stripsep
19357           }%
19358       \fi
19359     \ifnum\jua@sk>0

```



```

19360         \remove@strip\jua@sar
19361         \global\@colht\the\jua@pr
19362         \global\advance\@colht by -\ht\@rightcolumn
19363         \global\advance\@colht by\cor@height
19364         \global\cor@height=0pt
19365     \else
19366         \global\advance\c@colht by-\ht\@rightcolumn
19367         \global\@colht\c@colht
19368     \fi
19369 \else
19370     \global\@firstcolumntrue
19371     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19372         \unvbox\@rightcolumn
19373         \vskip\c@addvipersep
19374         \unvbox\@outputbox
19375     }%
19376     \setbox\@outputbox \vbox {%
19377         \hb@xt@\textwidth {%
19378             \hb@xt@\columnwidth {%
19379                 \bidi@firstcolumn@status@write%
19380                 \box\@leftcolumn \hss}%
19381             \hfil
19382             \vrule \@width\columnseprule
19383             \hfil
19384             \hb@xt@\columnwidth {%
19385                 \bidi@lastcolumn@status@write%
19386                 \box\@outputbox \hss}%
19387             }%
19388         }%
19389     \@combinedblfloats
19390     \@setmarks
19391     \@outputpage
19392     \begingroup
19393         \@dblfloatplacement
19394         \@startdblcolumn
19395         \@whilesw\if@fcolmade \fi
19396             {\@outputpage
19397              \@startdblcolumn}%
19398     \endgroup
19399     \global\jua@sk=0\global\jua@sar={}%
19400     \global\cor@height\z@\global\c@addvipersep\z@
19401     \fi
19402 \fi
19403 }
19404
19405
19406 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19407     \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
19408         \hsize\textwidth
19409         \@parboxrestore
19410         \col@number \@ne
19411         \vrule height\topskip width0pt depth0pt
19412 }
19413

```



```

19414 \def\endstrip{%
19415     \egroup\egroup
19416     \if@firstcolumn
19417         \ifdim\pagetotal>\z@
19418             \vskip\stripsep
19419             \global\ht@strip\pagegoal
19420             \global\advance\ht@strip by-\pagetotal
19421             \global\advance\ht@strip by-\stripsep
19422             \global\advance\ht@strip by-\ht@viper
19423             \global\advance\ht@strip by-\stripsep
19424             \global\jua@ht=\ht@viper
19425         \else
19426             \global\ht@strip\z@
19427         \fi
19428     \ifdim\ht@strip>\z@
19429         \unvbox\@viper
19430         \vskip\stripsep
19431         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
19432         \global\advance\jua@sk by1
19433     \else
19434         \@latex@error{Strip needs more place!}\@ehc
19435         \if@vihproof
19436             \framebox[\columnwidth]{??? Strip ???}%
19437         \fi
19438     \fi
19439 \else
19440     \@latex@error{Strip is used only on left column!}\@ehc
19441     \if@vihproof
19442         \framebox[\columnwidth]{??? Strip ???}%
19443     \fi
19444 \fi
19445 }

```

118 File minitoc-xetex-bidi.def

```

19446 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
19447 \def\@undottedtocline#1#2#3#4#5{%
19448     \ifnum #1>\c@tocdepth\relax \else
19449         \vskip \z@ plus.2\p@
19450     {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
19451         \parindent #2\relax\@afterindenttrue
19452         \interlinepenalty\@M
19453         \leavevmode
19454         \@tempdima #3\relax \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
19455         \hskip -\ifRTL\rightskip\else\leftskip\fi
19456         #4\nobreak\hfill\nobreak
19457         \null\par}%
19458     \fi}
19459 \def\@Undottedtocline#1#2#3#4#5{%
19460     \ifnum #1>\c@tocdepth\relax \else
19461         \vskip \z@ \@plus.2\p@
19462     {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocrma
19463         \parindent #2\relax\@afterindenttrue
19464         \interlinepenalty\@M

```



```

19465 \leavevmode
19466 \@tempdima #3\relax
19467 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19468 {\coffefont #4}\nobreak \nobreak\null
19469 \par}%
19470 \fi}
19471 \def\@Undottedtoclinep#1#2#3#4#5{%
19472 \ifnum #1>\c@tocdepth\relax \else
19473 \vskip \z@ \@plus.2\p@
19474 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
19475 \parindent #2\relax\@afterindenttrue
19476 \interlinepenalty\@M
19477 \leavevmode
19478 \@tempdima #3\relax
19479 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19480 {#4}\nobreak \hfill \nobreak\null
19481 \hb@xt@\@pnumwidth{\{\hfil\normalfont \normalcolor #5}\}%
19482 \par}%
19483 \fi}

```

119 File multicol-xetex-bidi.def

```

19484 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
19485 \def\page@sofar{%
19486 \process@cols\mult@rightbox
19487 {\ifvoid\count@
19488 \setbox\count@\hbox to\hsize{%
19489 \else
19490 \wd\count@\hsize
19491 \fi}%
19492 \count@\col@number \advance\count@\m@ne
19493 \mult@info\z@
19494 {Column spec: \the\full@width\space = indent
19495 + columns + sep =\MessageBreak
19496 \the\multicol@leftmargin\space
19497 + \the\col@number\space
19498 x \the\hsize\space
19499 + \the\count@\space
19500 x \the\columnsep
19501 }%
19502 \ifvmode\else\errmessage{Multicol Error}\fi
19503 \nointerlineskip
19504 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
19505 \moveright\multicol@leftmargin
19506 \hbox to\full@width{%
19507 \bidi@multicol@align@columns
19508 \rlap{\phantom p}%
19509 }%
19510 \prevdepth\z@
19511 \kern-\dimen\tw@
19512 \ifdim\dimen\tw@ > \mc@gridwarn
19513 \PackageWarning{multicol}%
19514 {Very deep columns!\MessageBreak
19515 Grid alignment might be broken}%

```



```

19516 \fi
19517 }
19518 \def\LTR@column@boxes{%
19519     \process@cols\mult@firstbox{%
19520         \ifdim\dp\count@>\dimen\tw@
19521             \global\dimen\tw@\dp\count@ \fi
19522         \mc@col@status@write
19523         \box\count@
19524         \hss{\columnseprulecolor\vrule
19525             \@width\columnseprule}\hss}%
19526     \ifdim\dp\mult@rightbox>\dimen\tw@
19527         \global\dimen\tw@\dp\mult@rightbox \fi
19528     \mc@lastcol@status@write
19529     \box\mult@rightbox
19530 }
19531
19532 \def\RTL@column@boxes{%
19533     \process@cols\mult@firstbox{%
19534         \hskip\hsize
19535         \hss{\columnseprulecolor\vrule
19536             \@width\columnseprule}\hss
19537     }%
19538     \hskip\hsize
19539     \process@cols\mult@firstbox{%
19540         \ifdim\dp\count@>\dimen\tw@
19541             \global\dimen\tw@\dp\count@ \fi
19542         \hskip-\hsize
19543         \mc@col@status@write
19544         \box\count@
19545         \hskip-\hsize
19546         \hskip-\columnsep
19547     }%
19548     \ifdim\dp\mult@rightbox>\dimen\tw@
19549         \global\dimen\tw@\dp\mult@rightbox \fi
19550     \hskip-\hsize
19551     \mc@lastcol@status@write
19552     \box\mult@rightbox
19553     \hskip-\hsize
19554     \hskip\full@width
19555 }
19556
19557 \newcommand\RTLmulticolcolumns
19558     {\let\bidimulticol@align@columns
19559     \RTL@column@boxes}
19560 \newcommand\LTRmulticolcolumns
19561     {\let\bidimulticol@align@columns
19562     \LTR@column@boxes}
19563 \newcommand\bidimulticol@align@columns
19564     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19565 \bidimulticol@AtEndPreamble{%
19566     \if@bidi@csdef{footinsv}[1]{%
19567         \def\footnoterule{\kern-3\p@
19568             \hrule \@width \textwidth \kern 2.6\p@}%
19569     }{}%

```



```

19570 }
19571 \def\multicols#1{\col@number#1\relax
19572   \ifnum\col@number<\tw@
19573     \PackageWarning{multicol}%
19574       {Using '\number\col@number'
19575         columns doesn't seem a good idea.^~J
19576         I therefore use two columns instead}%
19577     \col@number\tw@ \fi
19578   \ifnum\col@number>20
19579     \PackageError{multicol}%
19580       {Too many columns}%
19581     {Current implementation doesn't
19582       support more than 20 columns.%
19583       \MessageBreak
19584       I therefore use 20 columns instead}%
19585     \col@number20 \fi
19586   \ifx\@footnotetext\mult@footnotetext
19587   \else
19588     \let\orig@footnotetext\@footnotetext
19589     \let\@footnotetext\mult@footnotetext
19590   \fi
19591   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
19592   \else
19593     \let\orig@LTRfootnotetext\@LTRfootnotetext
19594     \let\@LTRfootnotetext\mult@LTRfootnotetext
19595   \fi
19596   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
19597   \else
19598     \let\orig@RTLfootnotetext\@RTLfootnotetext
19599     \let\@RTLfootnotetext\mult@RTLfootnotetext
19600   \fi
19601   \@ifnextchar[\mult@cols{\mult@cols[]}]
19602 \long\def\mult@footnotetext#1{\begingroup
19603   \hsize\textwidth
19604   \columnwidth\textwidth
19605   \orig@footnotetext{#1}\endgroup}
19606 \long\def\mult@LTRfootnotetext#1{\begingroup
19607   \hsize\textwidth
19608   \columnwidth\textwidth
19609   \orig@LTRfootnotetext{#1}\endgroup}
19610 \long\def\mult@RTLfootnotetext#1{\begingroup
19611   \hsize\textwidth
19612   \columnwidth\textwidth
19613   \orig@RTLfootnotetext{#1}\endgroup}
19614 \def\right@footnoterule{%
19615   \kern-3\p@
19616   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
19617   \kern2.6\p@}
19618 \def\textwidth@footnoterule{\kern-3\p@
19619   \hrule \@width \textwidth \kern 2.6\p@}
19620 \def\bidileave@mult@copyins{%
19621   \advance\dimen@-\skip\@bidi@copyins@
19622   \advance\dimen@-\ht\@bidi@copyins@
19623 }

```



```

19624
19625 \bidi@AtEndPreamble{%
19626   \if@bidi@csundef{footinsv@1}{%
19627     \bidi@patchcmd{\multi@column@out}{%
19628       \ifvbox \@kludgeins
19629     }{%
19630       \ifvoid\bidi@copyins@ \else
19631         \bidi@leave@mult@copyins
19632       \fi
19633       \ifvbox \@kludgeins
19634     }{}{}%
19635   }{}%
19636 }
19637
19638

```

120 File multienum-xetex-bidi.def

```

19639 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
19640 \renewcommand{\itemx}[1]{\parbox[t]%
19641 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19642 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
19643 \renewcommand{\itemxx}[2]{\parbox[t]%
19644 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19645 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19646 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19647 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
19648 \renewcommand{\itemxxx}[3]{\parbox[t]%
19649 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19650 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19651 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
19652 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
19653 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19654 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
19655 \renewcommand{\itemxxxx}[4]{\parbox[t]%
19656 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19657 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19658 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19659 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19660 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19661 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19662 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19663 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
19664 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
19665 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19666 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
19667 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19668 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
19669 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19670 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
19671 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19672 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
19673 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19674 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}

```




```

19675 \renewcommand{\itemxox}[2]{\parbox[t]{%
19676 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19677 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19678 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19679 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
19680 \renewcommand{\itemxox}[2]{\parbox[t]{%
19681 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19682 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
19683 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19684 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
19685 \renewcommand{\itemxox}[3]{\parbox[t]{%
19686 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19687 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
19688 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19689 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
19690 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19691 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
19692 \renewcommand{\itemxox}[3]{\parbox[t]{%
19693 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19694 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
19695 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19696 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
19697 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19698 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
19699 \renewcommand{\itemxxx}[3]{\parbox[t]{%
19700 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19701 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
19702 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19703 \parbox[t]{.25\remainxxx}{\bidi@raggedright #2}\hfill%
19704 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19705 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

121 File natbib-xetex-bidi.def

```

19706 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
19707 \renewenvironment{thebibliography}[1]{%
19708 \bibsection
19709 \parindent\z@
19710 \bibpreamble
19711 \bibfont
19712 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19713 \bidi@@thebibliography@font@hook%
19714 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
19715 \ifNAT@openbib
19716 \renewcommand\newblock{\par}%
19717 \else
19718 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
19719 \fi
19720 \sloppy\clubpenalty4000\widowpenalty4000
19721 \sfcode`. \@m
19722 \let\NAT@bibitem@first@sw\@firstoftwo
19723 \let\citeN\cite \let\shortcite\cite
19724 \let\citeasnoun\cite
19725 }{

```



```

19726 \bibitem@fin
19727 \bibpostamble
19728 \def\@noitemerr{%
19729   \PackageWarning{natbib}{Empty `thebibliography' environment}%
19730 }%
19731 \endlist
19732 \bibcleanup
19733 }%

```

122 File newfloat-xetex-bidi.def

```

19734 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
19735 \renewcommand*\newfloat@setwithin[2]{%
19736   \ifcsname c@chapter\endcsname
19737     \@removefromreset{#1}{chapter}%
19738   \fi
19739   \@removefromreset{#1}{section}%
19740   \edef\@tempa{#2}%
19741   \ifx\@tempa\@empty
19742     \def\@tempa{none}%
19743   \fi
19744   \def\@tempb{none}%
19745   \ifx\@tempa\@tempb
19746     \ifcsname c@chapter\endcsname
19747       \@chapterlistsgap@off{#1}%
19748     \fi
19749     \newfloat@@setwithin{#1}{\}{\}%
19750   \else
19751     \def\@tempb{chapter}%
19752     \ifx\@tempa\@tempb
19753       \@addtoreset{#1}{chapter}%
19754       \@chapterlistsgap@on{#1}%
19755       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
19756     \else
19757       \def\@tempb{section}%
19758       \ifx\@tempa\@tempb
19759         \@addtoreset{#1}{section}%
19760         \ifcsname c@chapter\endcsname
19761           \@addtoreset{#1}{chapter}%
19762           \@chapterlistsgap@on{#1}%
19763           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
19764         \else
19765           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
19766         \fi
19767       \else
19768         \newfloat@Error{Invalid value `#2' for option `within'}%
19769       \fi
19770     \fi
19771 \fi}

```

123 File nicematrix-xetex-bidi.def

```

19772 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix package]
19773 \ExplSyntaxOn

```



```

19774 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
19775 \bool_if:NF \l__nicematrix_tabular_bool \@RTLtabfalse
19776 \@tabarray
19777 }{}{}
19778 \ExplSyntaxOff
19779

```

124 File ntheorem-xetex-bidi.def

```

19780 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
19781 \gdef\@thm#1#2#3{%
19782 \if@thmmarks
19783 \stepcounter{end\InTheoType ctr}%
19784 \fi
19785 \renewcommand{\InTheoType}{#1}%
19786 \if@thmmarks
19787 \stepcounter{curr#1ctr}%
19788 \setcounter{end#1ctr}{0}%
19789 \fi
19790 \refstepcounter{#2}%
19791 \theorem@prework
19792 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
19793 \ifvmode \advance\thm@topsepadd\partopsep\fi
19794 \trivlist
19795 \@topsep \theorempreskipamount
19796 \@topsepadd \thm@topsepadd % used by \@endparenv
19797 \advance\linewidth -\theorem@indent
19798 \advance\@totalleftmargin \theorem@indent
19799 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
19800 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

125 File ntheorem-hyper-xetex-bidi.def

```

19801 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h]
19802 \gdef\@thm#1#2#3{%
19803 \if@thmmarks
19804 \stepcounter{end\InTheoType ctr}%
19805 \fi
19806 \renewcommand{\InTheoType}{#1}%
19807 \if@thmmarks
19808 \stepcounter{curr#1ctr}%
19809 \setcounter{end#1ctr}{0}%
19810 \fi
19811 \refstepcounter{#2}%
19812 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
19813 \ifvmode \advance\thm@topsepadd\partopsep\fi
19814 \trivlist
19815 \@topsep \theorempreskipamount
19816 \@topsepadd \thm@topsepadd % used by \@endparenv
19817 \advance\linewidth -\theorem@indent
19818 \advance\@totalleftmargin \theorem@indent
19819 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
19820 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```



126 File overpic-xetex-bidi.def

```
19821 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
19822 \renewenvironment{overpic}[2][\%
19823   \sbox{\z@}{\includegraphics[#1]{#2}}%
19824   \settodepth{\@tempcnta}{\usebox{\z@}}%
19825   \settoheight{\@tempcntb}{\usebox{\z@}}%
19826   \advance\@tempcntb\@tempcnta%
19827   \settowidth{\@tempcnta}{\usebox{\z@}}%
19828   \setlength{\@tempdima}{\unitlength}%
19829   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
19830 %
19831   \OVP@calc%
19832 %
19833   \begin{picture}(\@tempcnta,\@tempcntb)%
19834     \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
19835     \ifGin@grid%
19836       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
19837         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
19838     \fi\fi%
19839     % reset the graphics parameter
19840     \let\Gin@outer@scalex\relax
19841     \let\Gin@outer@scaley\relax
19842     \let\Gin@angle\relax
19843     \let\Gin@ewidth\Gin@exclamation
19844     \let\Gin@eheight\Gin@ewidth
19845     \def\Gin@scalex{1}
19846     \let\Gin@scaley\Gin@exclamation
19847   }\%
19848   \ifRTL\ifGin@grid%
19849     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
19850       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
19851     \fi%
19852     \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
19853   \end{picture}%
19854 }\%
```

127 File pdfbase-xetex-bidi.def

```
19855 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
19856 \ExplSyntaxOn
19857 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
19858 \cs_set_nopar:Npn\@outputpage{
19859   \int_gincr:N\g_pbs_page_int
19860   \box_if_vertical:cTF{\outputbox}{
19861     \bool_set_true:N\l_pbs_is_vertical_bool
19862   }{
19863     \bool_set_false:N\l_pbs_is_vertical_bool
19864   }
19865   \hbox_set:Nn\@outputbox{
19866     %begin of page
19867     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
19868     \box_use_drop:N\@outputbox
19869     %end of page
```



```

19870 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
19871 }
19872 \bool_if:NT\l_pbs_is_vertical_bool{
19873 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
19874 }
19875 \pbs_outputpage_orig:
19876 }
19877 \ExplSyntaxOff

```

128 File pdfscape-xetex-bidi.def

```

19878 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
19879 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
19880 \if@RTL
19881 \PLS@Rotate{-90}%
19882 \else
19883 \PLS@Rotate{90}%
19884 \fi
19885 }{}{}

```

129 File pgfcorescopes.code-xetex-bidi.def

```

19886 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
19887 \def\pgfpicture{%
19888 \begingroup%
19889 \ifmmode\else\@RTLfalse\beginL\fi%
19890 \pgfpicturetrue%
19891 \global\advance\pgf@picture@serial@count by1\relax%
19892 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
19893 \let\pgf@nodecallback=\pgfutil@gobble%
19894 \pgf@picmaxx=-16000pt\relax%
19895 \pgf@picminx=16000pt\relax%
19896 \pgf@picmaxy=-16000pt\relax%
19897 \pgf@picminy=16000pt\relax%
19898 \pgf@relevantforpicturesizetrue%
19899 \pgf@resetpathsizes%
19900 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
19901 \def\endpgfpicture{%
19902 \ifpgfrememberpicturepositiononpage%
19903 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
19904 \fi%
19905 % ok, now let's position the box
19906 \ifdim\pgf@picmaxx=-16000pt\relax%
19907 % empty picture. make size 0.
19908 \global\pgf@picmaxx=0pt\relax%
19909 \global\pgf@picminx=0pt\relax%
19910 \global\pgf@picmaxy=0pt\relax%
19911 \global\pgf@picminy=0pt\relax%
19912 \fi%
19913 % Shift baseline outside:
19914 \pgf@relevantforpicturesizefalse%
19915 \pgf@process{\pgf@baseline}%
19916 \xdef\pgf@shift@baseline{\the\pgf@y}%
19917 %

```



```

19918         \pgf@process{\pgf@trimleft}%
19919         \global\advance\pgf@x by-\pgf@picminx
19920         % prepare \hskip\pgf@trimleft@final.
19921         % note that \pgf@trimleft@final is also queried
19922         % by the pgf image externalization.
19923         \xdef\pgf@trimleft@final{-\the\pgf@x}%
19924         %
19925         \pgf@process{\pgf@trimright}%
19926         \global\advance\pgf@x by-\pgf@picmaxx
19927         % prepare \hskip\pgf@trimright@final.
19928         % note that \pgf@trimright@final is also queried
19929         % by the pgf image externalization.
19930         \xdef\pgf@trimright@final{\the\pgf@x}%
19931     %
19932     \pgf@remember@layerlist@globally
19933     \endgroup%
19934     \hss%
19935     \egroup%
19936     \pgf@restore@layerlist@from@global
19937     \pgf@insertlayers%
19938     \endgroup%
19939     \pgfsys@discardpath%
19940     \endgroup%
19941     \pgfsys@endscope%
19942     \pgfsys@endpicture%
19943     \endgroup%
19944     \hss
19945 \egroup%
19946 \pgfsys@typesetpicturebox\pgfpic%
19947 \ifmmode\else\endL\fi%
19948 \endgroup%
19949 }

```

130 File pgfsys-xetex-bidi.def

```

19950 \ProvidesFile{pgfsys-xetex-bidi.def}[2025/01/05 v0.1 bidi adaptations for pgfsys package for
19951 \def\pgfsys@shadingoutsidepgfpicture#1{%
19952   \beginL#1\endL%
19953 }
19954
19955

```

131 File picinpar-xetex-bidi.def

```

19956 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
19957 \long\def\@makewincaption#1#2{%
19958   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
19959   \ifdim\wd\@tempboxa>\picwd
19960     {\footnotesize{\bf #1:\enspace}{#2\par}}
19961   \else
19962     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
19963   \fi}
19964 \def\endwindow{%
19965   \global\tcd=\tcdsav

```



```

19966 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
19967 \vbadness=10000
19968 \splittopskip=0pt
19969 %
19970 % Typeset the lines above the window
19971 %
19972 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
19973 \tcn=\tcd
19974 \loop\advance\tcn -1
19975 \setbox\fslice=\vsplit\holder to\baselineskip
19976 \prune\fslice\linewidth
19977 \topheight=0pt
19978 \ifnum\dp\fslice>\dp\wstrutbox
19979 \advance\topheight-\dp\fslice
19980 \advance\topheight\dp\wstrutbox
19981 \advance\topheight\ilg\fi
19982 \hbox to\linewidth{\box\fslice}
19983 \vskip-\topheight
19984 \ifdim\ht\holder>0pt\repeat
19985 \fi
19986 %
19987 % Now we build the boxes beside the window
19988 %
19989 \global\topheight=\tcl\baselineskip
19990 \ifnum\cumpartcl>0\global\tcl=\cumtcl
19991 \global\topheight=\vpic
19992 \fi
19993 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
19994 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
19995 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
19996 \tcn=\tcl \na=0 \nb=0
19997 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
19998 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
19999 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20000 \ifnum\na=0\ifnum\nb=0
20001 \setbox\waslice=\vbox to\vpic{\vss}
20002 \setbox\wslice=\vbox to\vpic{\vss}
20003 \bl=1\br=1
20004 \vskip\ilg
20005 \fi\fi
20006 %
20007 % both sides
20008 %
20009 \ifnum\na>0 \ifnum\nb>0
20010 \loop\advance\nb -1
20011 \advance\na -1
20012 \if@RTL%
20013 \setbox\bslice=\vsplit\holder to\baselineskip
20014 \prune\bslice\rtside
20015 \setbox\wslice=\vbox{\unvbox\wslice\hbox
20016 to\rtside{\box\bslice\hfil}}
20017 \setbox\aslice=\vsplit\holder to\baselineskip
20018 \prune\aslice\lftside
20019 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

20020 to\lftside{\box\aslice\hfil}}
20021 \else%
20022 \setbox\aslice=\vsplit\holder to\baselineskip
20023 \prune\aslice\lftside
20024 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20025 to\lftside{\box\aslice\hfil}}
20026 \setbox\bslice=\vsplit\holder to\baselineskip
20027 \prune\bslice\rtside
20028 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20029 to\rtside{\box\bslice\hfil}}
20030 \fi%
20031 \ifnum\nb>0\repeat
20032 \fi\fi
20033 %
20034 % only text on the left side
20035 %
20036 \ifnum\na>0
20037   \loop\advance\na -1
20038   \setbox\aslice=\vsplit\holder to\baselineskip
20039   \prune\aslice\lftside
20040   \setbox\waslice=\vbox{\unvbox\waslice\hbox
20041   to\lftside{\box\aslice\hfil}}
20042   \ifdim\ht\holder>0pt\repeat
20043 \fi
20044 %
20045 % only text on the right side
20046 %
20047 \ifnum\nb>0
20048   \loop\advance\nb -1
20049   \setbox\bslice=\vsplit\holder to\baselineskip
20050   \prune\bslice\rtside
20051   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20052   to\rtside{\box\bslice\hfil}}
20053   \ifdim\ht\holder>0pt\repeat
20054 \fi
20055 %
20056 % fixing the dimensions of the window part
20057 %
20058 \ifnum\bl=0\topheight=\ht\wbslice
20059 \else\ifnum\br=0\topheight=\ht\waslice
20060   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20061   \else\topheight=\ht\wbslice\fi\fi\fi
20062 %
20063 % ship out the window material to the main vertical list
20064 %
20065 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20066 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20067 \fi\fi\fi
20068 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20069 \ifnum\bl>0\box\waslice\hfill\fi%
20070 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
20071 \vfill\unvbox\picbox%
20072 \ifnum\picwd>0\vfill\fi%
20073 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%

```




```

20074 \unvbox\windowbox%
20075 \loop
20076 \setbox\bslice=\vsplit\rawtext to\baselineskip
20077 \prune\bslice\linewidth
20078 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
20079 \unvbox\wbslice
20080 \ifdim\ht\rawtext>0pt
20081 \repeat
20082 }% FINITO

```

132 File plain-xetex-bidi.def

```

20083 \def\TeXeTOn{\TeXeTstate=1 }
20084 \def\TeXeTOff{\TeXeTstate=0 }
20085 \TeXeTOn
20086 \def\usebox#1{\leavevmode\copy #1\relax}
20087 \def\bidir@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20088 \let\bidir@@everypar=\everypar
20089 \newtoks\bidir@n@everypar
20090 \bidir@n@everypar\expandafter{\the\bidir@@everypar}
20091 \bidir@@everypar{\bidir@RTL@everypar\the\bidir@n@everypar}
20092 \let\everypar=\bidir@n@everypar
20093 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20094 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20095 \protected\def\hboxR{\hbox\bgroup
20096 \everyhbox{%
20097 \aftergroup\egroup
20098 \everyhbox{}}%
20099 \beginR
20100 \@hboxRconstructtrue
20101 \bgroup
20102 \aftergroup\endR
20103 \aftergroup\egroup
20104 }\hbox}
20105 \protected\def\hboxL{\hbox\bgroup
20106 \everyhbox{%
20107 \aftergroup\egroup
20108 \everyhbox{}}%
20109 \beginL
20110 \@hboxRconstructfalse
20111 \bgroup
20112 \aftergroup\endL
20113 \aftergroup\egroup
20114 }\hbox}
20115 \protected\def\vboxR{\vbox\bgroup
20116 \everyvbox{%
20117 \aftergroup\egroup
20118 \everyvbox{}}%
20119 \@RTLtrue
20120 \bgroup
20121 \aftergroup\egroup
20122 }\vbox}
20123 \protected\def\vboxL{\vbox\bgroup
20124 \everyvbox{%

```



```

20125 \aftergroup\egroup
20126 \everyvbox{}%
20127 \@RTLfalse
20128 \bgroup
20129 \aftergroup\egroup
20130 }\vbox}
20131 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20132 \def\endLTR{\par}
20133 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20134 \def\endRTL{\par}
20135 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
20136 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
20137 \let\unsetRTL=\setLTR
20138 \let\unsetLTR=\setRTL
20139 \let\LR=\LRE
20140 \let\RL=\RLE
20141 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20142 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20143 \let\@ensure@RL=\@ensure@RTL
20144 \let\@ensure@LR=\@ensure@LTR
20145 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20146 \let\@ensure@maindir=\@ensure@dir
20147 \def\@RTL{RTL}
20148 \def\@LTR{LTR}
20149 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20150 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20151 \let\@TeX\TeX
20152 \def\TeX{\@ensure@LTR{\@TeX}}
20153 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
20154 \dimen@=\dp\ccclv \unvbox\ccclv % open up \box255
20155 \ifvoid\footins\else % footnote info is present
20156 \vskip\skip\footins
20157 \footnoterule
20158 \unvbox\footins\fi
20159 \ifrggedbottom \kern-\dimen@ \vfil \fi
20160 \ifvoid\@bidi@copyins@
20161 \else
20162 \vskip\skip\@bidi@copyins@
20163 \unvbox\@bidi@copyins@
20164 \fi
20165 }
20166 \long\def\bidi@reflect@box#1{%
20167 \leavevmode
20168 \setbox\z@\hbox{#1}%
20169 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20170 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
20171 }
20172 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20173 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20174 \let\setRL=\setRTL
20175 \let\setLR=\setLTR
20176 \let\unsetRL=\setLTR
20177 \let\bidi@samed@eqno=\eqno
20178 \let\bidi@samed@leqno=\leqno

```



```

20179 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
20180 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
20181 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20182 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20183 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

133 File pstricks-xetex-bidi.def

```

20184 \ProvidesFile{pstricks-xetex-bidi.def}[2025/01/08 v0.7 bidi adaptations for pstricks package]
20185 \bidi@patchcmd\pspicture\beginRgroup{%
20186   \beginRgroup
20187   \ifmmode
20188     \else
20189     \@RTLfalse
20190     \beginL
20191   \fi
20192 }{}{\bidi@warningnoline{0ops! patching `string\pspicture' failed}}
20193
20194 \bidi@patchcmd\endRpicture{%
20195   \endRgroup
20196   \psset{pstricks}{shift=0}% reset value
20197 }{%
20198   \ifmmode
20199   \else
20200     \endL
20201   \fi
20202   \endRgroup
20203   \psset{pstricks}{shift=0}% reset value
20204 }{}{\bidi@warningnoline{0ops! patching `string\endRpicture' failed}}
20205
20206 \bidi@patchcmd\@@scalebox{%
20207   \special{x: bscale \pst@tempc \pst@tempd}%
20208   \hbox to \z@{\box\pst@hbox\hss}%
20209   \special{x: escale}%
20210 }{%
20211   \if@RTL
20212     \special{x: escale}%
20213   \else
20214     \special{x: bscale \pst@tempc \pst@tempd}%
20215   \fi
20216   \hbox to \z@{\box\pst@hbox\hss}%
20217   \if@RTL
20218     \special{x: bscale \pst@tempc \pst@tempd}%
20219   \else
20220     \special{x: escale}%
20221   \fi
20222 }{}{\bidi@warningnoline{0ops! patching `string\@@scalebox' failed}}
20223 \let\ps@@scalebox\@@scalebox
20224

```

134 File quotchap-xetex-bidi.def

```

20225 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20226 \renewcommand{\qauthor}[1]{%

```



```

20227 \par\smallskip
20228 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
20229 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20230 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20231 {\chapnumfont
20232 \ifnum \c@secnumdepth >\m@ne%
20233 \if@mainmatter\thechapter%
20234 \fi\fi
20235 \par\nobreak}%
20236 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20237 \nobreak\chapterheadendvskip}}
20238 \renewcommand*{\@iprintcites}{%
20239 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
20240 \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

20241 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
20242 \renewcommand{\Centering}{%
20243 \ifx\\ \@raggedtwoe@savedcr
20244 \let\\ \@centercr
20245 \fi
20246 \let\@gnewline\@raggedtwoe@gnewline
20247 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
20248 \@rightskip\CenteringRightskip
20249 \if@RTL\leftskip\else\rightright\fi\@rightskip
20250 \parfillskip\CenteringParfillskip
20251 \parindent\CenteringParindent
20252 \@raggedtwoe@spaceskiptrue
20253 \@raggedtwoe@everyselectfont
20254 }
20255 \renewcommand{\RaggedLeft}{%
20256 \ifx\\ \@raggedtwoe@savedcr
20257 \let\\ \@centercr
20258 \fi
20259 \let\@gnewline\@raggedtwoe@gnewline
20260 \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
20261 \@rightskip\RaggedLeftRightskip
20262 \if@RTL\leftskip\else\rightright\fi\@rightskip
20263 \parfillskip\RaggedLeftParfillskip
20264 \parindent\RaggedLeftParindent
20265 \@raggedtwoe@spaceskiptrue
20266 \@raggedtwoe@everyselectfont
20267 }
20268 \renewcommand{\RaggedRight}{%
20269 \ifx\\ \@raggedtwoe@savedcr
20270 \let\\ \@centercr
20271 \fi
20272 \let\@gnewline\@raggedtwoe@gnewline
20273 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
20274 \@rightskip\RaggedRightRightskip
20275 \if@RTL\leftskip\else\rightright\fi\@rightskip
20276 \parfillskip\RaggedRightParfillskip
20277 \parindent\RaggedRightParindent

```



```

20278 \@raggedtwoe@spaceskiptrue
20279 \@raggedtwoe@everyselectfont
20280 }
20281 \renewcommand{\justifying}{%
20282 \let\\\@raggedtwoe@savedcr
20283 \let\@newline\@raggedtwoe@saved@newline
20284 \if@RTL\rightskip\else\leftskip\fi\z@
20285 \@rightskip\z@
20286 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20287 \parfillskip\JustifyingParfillskip
20288 \parindent\JustifyingParindent
20289 \@raggedtwoe@spaceskipfalse
20290 \@raggedtwoe@everyselectfont
20291 }
20292 \def\@raggedtwoe@raggedrightboxes@opt{%
20293 \renewcommand{\@arrayparboxrestore}{%
20294 \let\if@nobreak\iffalse
20295 \let\if@noskipsec\iffalse
20296 \let\par\@par
20297 \let\-\@dischyph
20298 \let'\@acci\let`\@accii\let\=\@acciii
20299 \parskip\z@skip
20300 \everypar{}%
20301 \linewidth\hsize
20302 \@totalleftmargin\z@
20303 \if@RTL
20304 \RaggedLeft
20305 \else
20306 \RaggedRight
20307 \fi
20308 \lineskip\normallineskip
20309 \baselineskip\normalbaselineskip
20310 \sloppy}%
20311 \let\@raggedtwoe@raggedrightboxes@opt\relax
20312 }
20313 \def\@raggedtwoe@document@opt{%
20314 \AtBeginDocument{\@raggedtwoe@abdhook}%
20315 \@raggedtwoe@raggedrightboxes@opt
20316 \@raggedtwoe@footmisctrue
20317 \let\@raggedtwoe@document@opt\relax
20318 }
20319 \def\@raggedtwoe@abdhook{%
20320 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20321 right to left documents and '\string\RaggedRight' for left
20322 to right documents}%
20323 \if@RTL
20324 \RaggedLeft
20325 \else
20326 \RaggedRight
20327 \fi
20328 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
20329 \let\@raggedtwoe@abdhook\relax
20330 }
20331 \@ifpackagewith{ragged2e}{raggedrightboxes}{%

```



```

20332 \@raggedtwoe@raggedrightboxes@opt
20333 }{}
20334 \@ifpackagewith{ragged2e}{document}{%
20335   \@raggedtwoe@document@opt
20336 }{}
20337 \let\origin@RaggedLeft=\RaggedLeft
20338 \let\origin@RaggedRight=\RaggedRight
20339 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20340 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

20341 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
20342 \renewenvironment{theindex}{%
20343   \if@twocolumn
20344     \@restonecolfalse
20345   \else
20346     \@restonecoltrue
20347   \fi
20348   \columnseprule \z@
20349   \columnsep 35\p@
20350   \twocolumn[\@makeschapterhead{\indexname}]%
20351   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20352   \thispagestyle{plain}\parindent\z@
20353   \parskip\z@ \@plus .3\p@\relax
20354   \let\item\@idxitem
20355 }{%
20356   \if@restonecol\onecolumn\else\clearpage\fi}
20357 \renewcommand*\head@style{%
20358   \interlinepenalty \@M
20359   \hyphenpenalty=\@M \exhyphenpenalty=\@M
20360   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20361 \if@titlepage
20362   \renewenvironment{abstract}{%
20363     \titlepage
20364     \null\vfil
20365     \section*{\SectFont\abstractname}%
20366     \noindent\ignorespaces}
20367   {\par\vfil\null\endtitlepage}
20368 \else
20369   \renewenvironment{abstract}{%
20370     \if@twocolumn
20371       \section*{\abstractname}%
20372     \else
20373       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20374       \section*{\small\SectFont\abstractname}%
20375       \noindent\ignorespaces
20376     \fi}
20377   {\if@twocolumn\else\par\egroup\fi}
20378 \fi
20379 \renewcommand*\@regtocline[3]{%
20380   \ifnum #1>\c@tocdepth
20381   \else
20382     \vskip\z@\@plus.2\p@

```



```

20383   {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
20384   \if@RTL\rightskip\else\leftskip\fi\unitindent
20385   \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20386   \parfillskip\z@
20387   \@tempdima\unitindent
20388   \parindent\z@
20389   \leavevmode
20390   \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20391   \hskip 1em \nobreak{\slshape #3}\par
20392   }%
20393   \fi}
20394 \if@oldtoc
20395 \renewcommand*\l@part[2]{%
20396   \ifnum \c@tocdepth >-2\relax
20397     \addpenalty{-\@highpenalty}%
20398     \addvspace{2.25em \@plus\p@}%
20399     \begingroup
20400       \setlength\@tempdima{3em}%
20401       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20402       \parfillskip -\@pnumwidth
20403       {\leavevmode
20404         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20405         \nobreak
20406         \global\@nobreaktrue
20407         \everypar{\global\@nobreakfalse\everypar{}}%
20408       \endgroup
20409   \fi}
20410 \else
20411   \renewcommand*\l@part{%
20412     \ifnum \c@tocdepth >-2\relax
20413       \addpenalty{-\@highpenalty}%
20414       \addvspace{2.25em \@plus \p@}%
20415       \@regtocline{0}%
20416     \fi}
20417 \fi
20418 \if@oldtoc
20419 \renewcommand*\l@chapter[2]{%
20420   \addpenalty{-\@highpenalty}%
20421   \vskip 1.0em \@plus\p@
20422   \setlength\@tempdima{1.5em}%
20423   \begingroup
20424     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20425     \parfillskip -\@pnumwidth
20426     \leavevmode \bfseries
20427     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20428     \hskip -\if@RTL\rightskip\else\leftskip\fi
20429     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20430     \penalty\@highpenalty
20431   \endgroup}
20432 \else
20433   \renewcommand*\l@chapter{\@regtocline{0}}
20434 \fi
20435 \renewcommand*\left@footnoterule{%
20436   \kern-3\p@

```



```

20437 \kern.5\baselineskip
20438 \hrule\@width\unitindent
20439 \kern.4\baselineskip
20440 }
20441 \renewcommand*\right@footnoterule{%
20442 \kern-3\p@
20443 \kern.5\baselineskip
20444 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20445 \kern.4\baselineskip}
20446 \renewenvironment{thebibliography}[1]
20447 {\chapter*{\bibname}%
20448 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20449 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
20450 \bidi@thebibliography@font@hook%
20451 \list{\@biblabel{\@arabic\c@enumiv}}%
20452 {\settowidth\labelwidth{\@biblabel{#1}}%
20453 \leftmargin\labelwidth
20454 \advance\leftmargin\labelsep
20455 \@openbib@code
20456 \usecounter{enumiv}%
20457 \let\p@enumiv\@empty
20458 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20459 \sloppy\clubpenalty4000\widowpenalty4000%
20460 \sfcode`\.\@m}
20461 {\def\@noitemerr
20462 {\@latex@warning{Empty `thebibliography' environment}}}%
20463 \endlist}
20464 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20465 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20466 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20467 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20468 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20469 \renewcommand*\theequation{%
20470 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20471 \renewcommand*\thefigure{%
20472 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20473 \renewcommand*\thetable{%
20474 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20475 \if@titlepage
20476 \renewcommand*\TitleFont{\rmfamily}
20477 \renewcommand*\maketitle{%
20478 \begin{titlepage}%
20479 \let\footnotesize\small
20480 \let\right@footnoterule\relax
20481 \let\left@footnoterule\relax
20482 \let\textwidth\footnoterule\relax
20483 \let \footnote \thanks
20484 \long\def\@makefnmark##1{\parindent\z@
20485 \def\labelitemi{\textendash}\@revlabeltrue
20486 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20487 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20488 \if@compatibility\setcounter{page}{0}\fi
20489 \null\vfil
20490 \vskip 60\p@

```




```

20491 \begin{center}%
20492 \TitleFont
20493 {\LARGE \def\\{\penalty -\@M}
20494 \if@allcaps
20495 \expandafter\uc@nothanks\@title\thanks\relax
20496 \else
20497 \@title
20498 \fi\par}%
20499 \vskip 3em%
20500 {\large
20501 \lineskip .75em \parindent\z@
20502 \begin{tabular}[t]{c}%
20503 \if@allcaps
20504 \expandafter\uc@authornothanks\@author\and\relax
20505 \else
20506 \@author
20507 \fi
20508 \end{tabular}\par}%
20509 \vskip 1.5em%
20510 {\large
20511 \if@allcaps
20512 \uppercase\expandafter{\@date}%
20513 \else
20514 \@date
20515 \fi\par}%
20516 \end{center}\par
20517 \@thanks
20518 \vfil\null
20519 \end{titlepage}%
20520 \setcounter{footnote}{0}%
20521 \global\let\thanks\relax
20522 \global\let\maketitle\relax
20523 \global\let\@thanks\@empty
20524 \global\let\@author\@empty
20525 \global\let\@title\@empty
20526 \global\let\@date\@empty
20527 \global\let\title\relax
20528 \global\let\author\relax
20529 \global\let\date\relax
20530 \global\let\and\relax
20531 }
20532 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20533 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20534 \futurelet\@tempa\uc@ax}
20535 \def\uc@ax{%
20536 \ifx\@tempa\relax
20537 \else
20538 \\\andname \\\expandafter\uc@authornothanks
20539 \fi}
20540 \def\uc@tx{\ifx\@tempa\relax
20541 \else \expandafter\uc@ty \fi}
20542 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20543 \else
20544 \renewcommand*\maketitle{\par

```



```

20545 \begin{group
20546 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20547 \def\@makefnmark{\rlap{%
20548 \textsuperscript{\normalfont\@thefnmark}}}%
20549 \long\def\@makefntext{\@xmakefntext{%
20550 \textsuperscript{\normalfont\@thefnmark}}}%
20551 \if@twocolumn
20552 \ifnum \col@number=\@one
20553 \maketitle
20554 \else
20555 \twocolumn[\maketitle]%
20556 \fi
20557 \else
20558 \newpage
20559 \global\@topnum\z@
20560 \maketitle
20561 \fi
20562 \thispagestyle{plain}\@thanks
20563 \end{group}
20564 \setcounter{footnote}{0}%
20565 \global\let\thanks\relax
20566 \global\let\maketitle\relax
20567 \global\let\@maketitle\relax
20568 \global\let\@thanks\@empty
20569 \global\let\@author\@empty
20570 \global\let\@title\@empty
20571 \global\let\@date\@empty
20572 \global\let\title\relax
20573 \global\let\author\relax
20574 \global\let\date\relax
20575 \global\let\and\relax
20576 }
20577 \def\@maketitle{%
20578 \newpage
20579 \null
20580 \vskip 2em%
20581 \begin{center}%
20582 \let \footnote \thanks
20583 {\LARGE \TitleFont \@title \par}%
20584 \vskip 1.5em%
20585 {\large \TitleFont
20586 \lineskip .5em%
20587 \begin{tabular}[t]{c}%
20588 \@author
20589 \end{tabular}\par}%
20590 \vskip 1em%
20591 {\large \TitleFont \@date}%
20592 \end{center}%
20593 \par
20594 \vskip 1.5em}
20595 \fi

```

137 File rapport3-xetex-bidi.def



```

20596 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
20597 \renewenvironment{theindex}{%
20598   \if@twocolumn
20599     \@restonecolfalse
20600   \else
20601     \@restonecoltrue
20602   \fi
20603   \columnseprule \z@
20604   \columnsep 35\p@
20605   \twocolumn[\@makeschapterhead{\indexname}]%
20606   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20607   \thispagestyle{plain}\parindent\z@
20608   \parskip\z@ \@plus .3\p@\relax
20609   \let\item\@idxitem
20610 }{%
20611   \if@restonecol\onecolumn\else\clearpage\fi}
20612 \if@titlepage
20613 \renewcommand*{\TitleFont{\rmfamily}}
20614 \renewcommand*{\maketitle{%
20615   \begin{titlepage}%
20616     \let\footnotesize\small
20617     \let\right@footnoterule\relax
20618     \let\left@footnoterule\relax
20619     \let\textwidth@footnoterule\relax
20620     \let \footnote \thanks
20621     \let \LTRfootnote \LTRthanks
20622     \let \RTLfootnote \RTLthanks
20623     \long\def\@makefntext##1{\parindent\z@
20624       \def\labelitemi{\textendash}\@revlabeltrue
20625       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20626     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20627     \if@compatibility\setcounter{page}{0}\fi
20628     \null\vfil
20629     \vskip 60\p@
20630     \begin{center}%
20631       \TitleFont
20632       {\LARGE \def\\{\penalty -\@M}
20633         \if@allcaps
20634           \expandafter\uc@nothanks\@title\thanks\relax
20635         \else
20636           \@title
20637         \fi\par}%
20638     \vskip 3em%
20639     {\large
20640       \lineskip .75em \parindent\z@
20641       \begin{tabular}[t]{c}%
20642         \if@allcaps
20643           \expandafter\uc@authornothanks\@author\and\relax
20644         \else
20645           \@author
20646         \fi
20647       \end{tabular}\par}%
20648     \vskip 1.5em%
20649     {\large

```



```

20650         \if@allcaps
20651             \uppercase\expandafter{\@date}%
20652         \else
20653             \@date
20654         \fi\par}%
20655     \end{center}\par
20656     \@thanks
20657     \vfil\null
20658 \end{titlepage}%
20659 \setcounter{footnote}{0}%
20660 \global\let\thanks\relax
20661 \global\let\LTRthanks\relax
20662 \global\let\RTLthanks\relax
20663 \global\let\maketitle\relax
20664 \global\let\@thanks\@empty
20665 \global\let\@author\@empty
20666 \global\let\@title\@empty
20667 \global\let\@date\@empty
20668 \global\let\title\relax
20669 \global\let\author\relax
20670 \global\let\date\relax
20671 \global\let\and\relax
20672 }
20673 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20674 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20675     \futurelet\@tempa\uc@ax}
20676 \def\uc@ax{%
20677     \ifx\@tempa\relax
20678     \else
20679         \ \andname \ \ \expandafter\uc@authornothanks
20680     \fi}
20681 \def\uc@tx{\ifx\@tempa\relax
20682     \else \expandafter\uc@ty \fi}
20683 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20684 \else
20685 \renewcommand*\maketitle{\par
20686     \begingroup
20687     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20688     \def\@makefnmark{\rlap{%
20689         \@textsuperscript{\normalfont\@thefnmark}}}%
20690     \long\def\@makefntext{\@xmakefntext{%
20691         \@textsuperscript{\normalfont\@thefnmark}}}%
20692     \if@twocolumn
20693         \ifnum \col@number=\@ne
20694             \@maketitle
20695         \else
20696             \twocolumn[\@maketitle]%
20697         \fi
20698     \else
20699         \newpage
20700         \global\@topnum\z@
20701         \@maketitle
20702     \fi
20703     \thispagestyle{plain}\@thanks

```



```

20704 \endgroup
20705 \setcounter{footnote}{0}%
20706 \global\let\thanks\relax
20707 \global\let\LTRthanks\relax
20708 \global\let\RTLthanks\relax
20709 \global\let\maketitle\relax
20710 \global\let\@maketitle\relax
20711 \global\let\@thanks\@empty
20712 \global\let\@author\@empty
20713 \global\let\@title\@empty
20714 \global\let\@date\@empty
20715 \global\let\title\relax
20716 \global\let\author\relax
20717 \global\let\date\relax
20718 \global\let\and\relax
20719 }
20720 \def\@maketitle{%
20721 \newpage
20722 \null
20723 \vskip 2em%
20724 \if@titlecentered
20725 \begin{center}%
20726 \let \footnote \thanks
20727 \let \LTRfootnote \LTRthanks
20728 \let \RTLfootnote \RTLthanks
20729 {\LARGE \TitleFont \@title \par}%
20730 \vskip 1.5em%
20731 {\large \TitleFont
20732 \lineskip .5em%
20733 \begin{tabular}[t]{c}%
20734 \@author
20735 \end{tabular}\par}%
20736 \vskip 1em%
20737 {\large \TitleFont \@date}%
20738 \end{center}%
20739 \else
20740 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
20741 {\large \TitleFont \lineskip .5em \tabcolsep\z@
20742 \def\and{%% \begin{tabular} has already started
20743 \end{tabular}\hskip 1em plus .17fil
20744 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
20745 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}
20746 \vskip 1em {\large \TitleFont \@date}
20747 \fi
20748 \par
20749 \vskip 1.5em}
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\righskip\else\leftskip\fi\unitindent
20757 \if@RTL\leftskip\else\righskip\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*\head@style{%
20808 \interlinepenalty \@M
20809 \hyphenpenalty=\@M \exhyphenpenalty=\@M
20810 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20811 \if@titlepage

```



```

20812 \renewenvironment{abstract}{%
20813     \titlepage
20814     \null\vfil
20815     \section*{\SectFont\abstractname}%
20816     \noindent\ignorespaces}
20817 {\par\vfil\null\endtitlepage}
20818 \else
20819 \renewenvironment{abstract}{%
20820     \if@twocolumn
20821     \section*{\abstractname}%
20822     \else
20823     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20824     \section*{\small\SectFont\abstractname}%
20825     \noindent\ignorespaces
20826     \fi}
20827 {\if@twocolumn\else\par\egroup\fi}
20828 \fi
20829 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20830 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20831 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20832 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20833 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20834 \renewcommand*\thefigure{%
20835     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20836 \renewcommand*\thetable{%
20837     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20838 \renewcommand*\theequation{%
20839     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20840 \renewenvironment{thebibliography}[1]
20841 {\chapter*{\bibname}%
20842     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20843     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20844     \bidi@@thebibliography@font@hook%
20845     \list{\@biblabel{\@arabic\c@enumiv}}%
20846         {\settowidth\labelwidth{\@biblabel{#1}}%
20847         \leftmargin\labelwidth
20848         \advance\leftmargin\labelsep
20849         \@openbib@code
20850         \usecounter{enumiv}%
20851         \let\p@enumiv\@empty
20852         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20853     \sloppy\clubpenalty4000\widowpenalty4000%
20854     \sfcode`. \@m}
20855 {\def\@noitemerr
20856     {\@latex@warning{Empty `thebibliography' environment}}}%
20857 \endlist}
20858 \renewcommand*\left@footnoterule{%
20859     \kern-3\p@
20860     \kern.5\baselineskip
20861     \hrule\@width\unitindent
20862     \kern.4\baselineskip
20863 }
20864 \renewcommand*\right@footnoterule{%
20865     \kern-3\p@

```



```

20866 \kern.5\baselineskip
20867 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20868 \kern.4\baselineskip}
20869 \renewcommand*\head@style{%
20870   \interlinepenalty \@M
20871   \hyphenpenalty=\@M \exhyphenpenalty=\@M
20872   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

138 File refrep-xetex-bidi.def

```

20873 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
20874 \if@titlepage
20875   \renewcommand\maketitle{\begin{titlepage}%
20876     \let\footnotesize\small
20877     \let\right@footnoterule\relax
20878     \let\left@footnoterule\relax
20879     \let\textwidth@footnoterule\relax
20880     \let\footnote\thanks
20881     \let\LTRfootnote\LTRthanks
20882     \let\RTLfootnote\RTLthanks
20883     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
20884     \def\@makefnmark%
20885       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
20886   \long\def\@makefntext##1{%
20887     \setpar{\@par
20888       \@tempdima = \hsize
20889       \advance\@tempdima -1em
20890       \parshape \@ne 1em \@tempdima}%
20891     \par\parindent 1em \noindent
20892     \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
20893   \null\vfil
20894   \vskip 60\p@
20895   \begin{center}%
20896     {\LARGE \@title \par}%
20897     \vskip 3em%
20898     {\large
20899       \lineskip .75em%
20900       \begin{tabular}[t]{c}%
20901         \@author
20902       \end{tabular}\par}%
20903     \vskip 1.5em%
20904     {\large \@date \par}% % Set date in \large size.
20905   \end{center}\par
20906   \@thanks
20907   \vfil\null
20908   \end{titlepage}%
20909   \setcounter{footnote}{0}%
20910   \global\let\thanks\relax
20911   \global\let\LTRthanks\relax
20912   \global\let\RTLthanks\relax
20913   \global\let\maketitle\relax
20914   \global\let\@thanks\@empty
20915   \global\let\@author\@empty
20916   \global\let\@date\@empty

```




```

20917 \global\let\@title\@empty
20918 \global\let\title\relax
20919 \global\let\author\relax
20920 \global\let\date\relax
20921 \global\let\and\relax
20922 }
20923 \else
20924 \renewcommand\maketitle{\par
20925   \begingroup
20926     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
20927     \def\@makefnmark%
20928       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
20929     \long\def\@makefntext##1{%
20930       \@setpar{\@par
20931         \@tempdima = \hspace
20932         \advance\@tempdima -1em
20933         \parshape \@ne 1em \@tempdima}%
20934       \par\parindent 1em \noindent
20935       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\##1}
20936     \if@twocolumn
20937       \ifnum \col@number=\@ne
20938         \@maketitle
20939       \else
20940         \twocolumn[\@maketitle]%
20941       \fi
20942     \else
20943       \newpage
20944       \global\@topnum\z@ % Prevents figures from going at top of page.
20945       \@maketitle
20946     \fi
20947     \thispagestyle{empty}\@thanks
20948   \endgroup
20949   \setcounter{footnote}{0}%
20950 \global\let\thanks\relax
20951 \global\let\LTRthanks\relax
20952 \global\let\RTLthanks\relax
20953 \global\let\maketitle\relax
20954 \global\let\@maketitle\relax
20955 \global\let\@thanks\@empty
20956 \global\let\@author\@empty
20957 \global\let\@date\@empty
20958 \global\let\@title\@empty
20959 \global\let\title\relax
20960 \global\let\author\relax
20961 \global\let\date\relax
20962 \global\let\and\relax
20963 }
20964 \def\@maketitle{%
20965   \newpage
20966   \null
20967   \longthickrule\vskip1.5em%
20968   \let \footnote \thanks
20969   \let \LTRfootnote \LTRthanks
20970   \let \RTLfootnote \RTLthanks

```



```

20971 { \secshape \parskip \z@ \parindent \z@
20972 \Large \bfseries \@title \par}%
20973 \vskip 1.5em \longthickrule \vskip 1.5em%
20974 { \normalsize
20975 \lineskip .5em%
20976 \begin{flushright}%
20977 { \slshape \@author \par}
20978 \vskip 1em%
20979 { \@date}%
20980 \end{flushright} \par}%
20981 \vskip 1.5em}
20982 \fi
20983 \renewcommand* \l@part [2] {%
20984 \ifnum \c@tocdepth > -2 \relax
20985 \addpenalty{-\@highpenalty}%
20986 \addvspace{2.25em \@plus \p}%
20987 \begingroup
20988 \parindent \z@ \if@RTL \leftskip \else \rightskip \fi \@pnumwidth
20989 \parfillskip -\@pnumwidth
20990 {\leavevmode
20991 \large \bfseries #1 \hfil \hbox to \@pnumwidth{\hss #2}} \par
20992 \nobreak
20993 \global \@nobreaktrue
20994 \everypar{\global \@nobreakfalse \everypar{}}%
20995 \endgroup
20996 \fi}
20997 \renewcommand* \l@chapter [2] {%
20998 \ifnum \c@tocdepth > \m@ne
20999 \addpenalty{-\@highpenalty}%
21000 \vskip 1.0em \@plus \p@
21001 \setlength\@tempdima{1.5em}%
21002 \begingroup
21003 \parindent \z@ \if@RTL \leftskip \else \rightskip \fi \@pnumwidth
21004 \parfillskip -\@pnumwidth
21005 \leavevmode \bfseries
21006 \advance \if@RTL \rightskip \else \leftskip \fi \@tempdima
21007 \hskip -\if@RTL \rightskip \else \leftskip \fi
21008 #1 \nobreak \hfil \nobreak \hbox to \@pnumwidth{\hss #2} \par
21009 \penalty \@highpenalty
21010 \endgroup
21011 \fi}
21012 \renewcommand \secshape {\if@RTL \rightskip \else \leftskip \fi = -\leftmarginwidth%
21013 \if@RTL \leftskip \else \rightskip \fi = \@flushglue%
21014 \hyphenpenalty = 2000}
21015 \renewcommand \left@footnoterule {%
21016 \kern -3 \p@
21017 \hrule \@width .4 \columnwidth
21018 \kern 2.6 \p@}
21019 \renewcommand \right@footnoterule {%
21020 \kern -3 \p@
21021 \hbox to \columnwidth{\hskip .6 \columnwidth \hrulefill }
21022 \kern 2.6 \p@}
21023 \renewcommand \theequation
21024 {\ifnum \c@chapter > \z@ \thechapter \@SepMark \fi \@arabic \c@equation}

```



```

21025 \renewcommand\thefigure
21026     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21027 \renewcommand\thetable%
21028     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21029 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
21030 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21031 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21032 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21033 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21034 \renewenvironment{thebibliography}[1]
21035     {\chapter*{\bibname
21036         \@mkboth{\bibname}{\bibname}}%
21037         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21038         \bidi@thebibliography@font@hook%
21039         \list{\@biblabel{\@arabic\c@enumiv}}%
21040             {\settowidth\labelwidth{\@biblabel{#1}}%
21041             \leftmargin\labelwidth
21042             \advance\leftmargin\labelsep
21043             \@openbib@code
21044             \usecounter{enumiv}%
21045             \let\p@enumiv\@empty
21046             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21047             \sloppy
21048             \clubpenalty4000
21049             \@clubpenalty \clubpenalty
21050             \widowpenalty4000%
21051             \sfcode\@.=\@m}
21052     {\def\@noitemerr
21053         {\@latex@warning{Empty `thebibliography' environment}}%
21054         \endlist}

```

139 File report-xetex-bidi.def

```

21055 \ProvidesFile{report-xetex-bidi.def}[2025/09/04 v1.0 bidi adaptations for standard report cl
21056 \renewenvironment{theindex}
21057     {\if@twocolumn
21058         \@restonecolfalse
21059         \else
21060             \@restonecoltrue
21061         \fi
21062         \columnseprule \z@
21063         \columnsep 35\p@
21064         \twocolumn[\@makeschapterhead{\indexname}]%
21065         \@mkboth{\MakeUppercase\indexname}%
21066             {\MakeUppercase\indexname}%
21067         \thispagestyle{plain}\parindent\z@
21068         \parskip\z@ \@plus .3\p@\relax
21069         \let\item\@idxitem}
21070     {\if@restonecol\onecolumn\else\clearpage\fi}
21071 \if@titlepage
21072 \renewcommand\maketitle{\begin{titlepage}%
21073 \let\footnotesize\small
21074 \let\right@footnoterule\relax
21075 \let\left@footnoterule\relax

```



```

21076 \let\textwidth@footnoterule\relax
21077 \let \footnote \thanks
21078 \let \LTRfootnote \LTRthanks
21079 \let \RTLfootnote \RTLthanks
21080 \null\vfil
21081 \vskip 60\p@
21082 \begin{center}%
21083   {\LARGE \@title \par}%
21084   \vskip 3em%
21085   {\large
21086     \lineskip .75em%
21087     \begin{tabular}[t]{c}%
21088       \@author
21089     \end{tabular}\par}%
21090     \vskip 1.5em%
21091     {\large \@date \par}%           % Set date in \large size.
21092 \end{center}\par
21093 \@thanks
21094 \vfil\null
21095 \end{titlepage}%
21096 \setcounter{footnote}{0}%
21097 \global\let\thanks\relax
21098 \global\let\LTRthanks\relax
21099 \global\let\RTLthanks\relax
21100 \global\let\maketitle\relax
21101 \global\let\@thanks\@empty
21102 \global\let\@author\@empty
21103 \global\let\@date\@empty
21104 \global\let\@title\@empty
21105 \global\let\title\relax
21106 \global\let\author\relax
21107 \global\let\date\relax
21108 \global\let\and\relax
21109 }
21110 \else
21111 \renewcommand\maketitle{\par
21112   \begin{group}
21113     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21114     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21115     \long\def\@makefntext#1{\parindent 1em\noindent
21116       \hb@xt@1.8em{%
21117         \hss\@textsuperscript{\normalfont\@thefnmark}}#1}%
21118     \if@twocolumn
21119       \ifnum \col@number=\@ne
21120         \@maketitle
21121       \else
21122         \twocolumn[\@maketitle]%
21123       \fi
21124     \else
21125       \newpage
21126       \global\@topnum\z@   % Prevents figures from going at top of page.
21127       \@maketitle
21128     \fi
21129     \thispagestyle{plain}\@thanks

```



```

21130 \endgroup
21131 \setcounter{footnote}{0}%
21132 \global\let\thanks\relax
21133 \global\let\LTRthanks\relax
21134 \global\let\RTLthanks\relax
21135 \global\let\maketitle\relax
21136 \global\let\@maketitle\relax
21137 \global\let\@thanks\@empty
21138 \global\let\@author\@empty
21139 \global\let\@date\@empty
21140 \global\let\@title\@empty
21141 \global\let\title\relax
21142 \global\let\author\relax
21143 \global\let\date\relax
21144 \global\let\and\relax
21145 }
21146 \def\@maketitle{%
21147   \newpage
21148   \null
21149   \vskip 2em%
21150   \begin{center}%
21151     \let \footnote \thanks
21152     \let \LTRfootnote \LTRthanks
21153     \let \RTLfootnote \RTLthanks
21154     {\LARGE \@title \par}%
21155     \vskip 1.5em%
21156     {\large
21157       \lineskip .5em%
21158       \begin{tabular}[t]{c}%
21159         \@author
21160         \end{tabular}\par}%
21161     \vskip 1em%
21162     {\large \@date}%
21163   \end{center}%
21164   \par
21165   \vskip 1.5em}
21166 \fi
21167 \IfPackageLoadedF{tocloft}{%
21168 \renewcommand*\l@part[2]{%
21169   \ifnum \c@tocdepth >-2\relax
21170     \addpenalty{-\@highpenalty}%
21171     \addvspace{2.25em \@plus\p}%
21172     \setlength\@tempdima{3em}%
21173     \begin{group
21174       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21175       \parfillskip -\@pnumwidth
21176       {\leavevmode
21177         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21178       \nobreak
21179       \global\@nobreaktrue
21180       \everypar{\global\@nobreakfalse\everypar{}}%
21181     \end{group
21182   \fi}
21183 \renewcommand*\l@chapter[2]{%

```



```

21184 \ifnum \c@tocdepth >\m@ne
21185 \addpenalty{-\@highpenalty}%
21186 \vskip 1.0em \@plus\p@
21187 \setlength\@tempdima{1.5em}%
21188 \begingroup
21189 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21190 \parfillskip -\@pnumwidth
21191 \leavevmode \bfseries
21192 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21193 \hskip -\if@RTL\rightskip\else\leftskip\fi
21194 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
21195 \penalty\@highpenalty
21196 \endgroup
21197 \fi}
21198 }
21199 \renewcommand\left@footnoterule{%
21200 \kern-3\p@
21201 \hrule\@width.4\columnwidth
21202 \kern2.6\p@}
21203 \renewcommand\right@footnoterule{%
21204 \kern-3\p@
21205 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21206 \kern2.6\p@}
21207 \renewcommand\theequation
21208 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21209 \renewcommand \thefigure
21210 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21211 \renewcommand \thetable
21212 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21213 \renewcommand \thechapter {\@arabic\c@chapter}
21214 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21215 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21216 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
21217 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21218 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21219 \def\@makechapterhead#1{%
21220 \vspace*{50\p@}%
21221 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21222 \ifnum \c@secnumdepth >\m@ne
21223 \huge\bfseries \@chapapp\space \thechapter
21224 \par\nobreak
21225 \vskip 20\p@
21226 \fi
21227 \interlinepenalty\@M
21228 \Huge \bfseries #1\par\nobreak
21229 \vskip 40\p@
21230 }}
21231 \def\@makeschapterhead#1{%
21232 \vspace*{50\p@}%
21233 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21234 \normalfont
21235 \interlinepenalty\@M
21236 \Huge \bfseries #1\par\nobreak
21237 \vskip 40\p@

```



```

21238   }}
21239 \IfPackageLoadedF{natbib}{%
21240 \renewenvironment{thebibliography}[1]
21241   {\chapter*{\bibname}%
21242    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21243    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
21244    \bidi@thebibliography@font@hook%
21245    \list{\@biblabel{\@arabic\c@enumiv}}%
21246      {\settowidth\labelwidth{\@biblabel{#1}}%
21247       \leftmargin\labelwidth
21248       \advance\leftmargin\labelsep
21249       \@openbib@code
21250       \usecounter{enumiv}%
21251       \let\p@enumiv\@empty
21252       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21253   \sloppy
21254   \clubpenalty4000
21255   \@clubpenalty \clubpenalty
21256   \widowpenalty4000%
21257   \sfcode`. \@m}
21258 {\def\@noitemerr
21259   {\@latex@warning{Empty `thebibliography' environment}}}%
21260   \endlist}
21261 }

```

140 File rotating-xetex-bidi.def

```

21262 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21263 \def\end@rotfloat{%
21264   \end{minipage}\end{lrbox}%
21265   \stepcounter{r@tfl@t}%
21266   \rot@label{RF\ther@tfl@t}%
21267   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21268   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21269   \rot@mess@toks\expandafter{\@tempa}
21270   \wd\rot@float@box\z@
21271   \ht\rot@float@box\z@
21272   \dp\rot@float@box\z@
21273   \vboxL to \textheight{%
21274     \setkeys{Grot}{units=360}%
21275     \if@rot@twoside
21276     \else
21277       \let\R@@page\rot@LR
21278     \fi
21279     \ifthenelse{\isodd{\R@@page}}{%
21280       \if@rot@twoside
21281         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21282       \fi
21283       \vfill
21284       \@@line{%
21285         \hskip\rotFPtop
21286         \rotatebox{90}{\box\rot@float@box}%
21287         \hskip\rotFPbot
21288       }%

```



```

21289 }{%
21290   \if@rot@twoside
21291     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
21292   \fi
21293   \@@line{%
21294     \hskip\rotFPbot
21295     \rotatebox{-90}{\box\rot@float@box}%
21296     \hskip\rotFPtop
21297   }%
21298   \vfill
21299 }%
21300 \rot@message{\the\rot@mess@toks}
21301 }%
21302 \end@float
21303 }
21304 \let\endsidewaysfigure\end@rotfloat
21305 \let\endsidewaysstable\end@rotfloat
21306 \def\end@rotdblfloat{%
21307   \end{minipage}\end{lrbox}%
21308   \stepcounter{r@tfl@t}%
21309   \rot@label{RF\ther@tfl@t}%
21310   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21311   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21312   \rot@mess@toks\expandafter{\@tempa}
21313   \@tempdima\ht\rot@float@box
21314   \advance\@tempdima by \dp\rot@float@box
21315   \wd\rot@float@box\z@
21316   \ht\rot@float@box\z@
21317   \dp\rot@float@box\z@
21318   \vboxL to \textheight{%
21319     \setkeys{Grot}{units=360}%
21320     \if@rot@twoside
21321     \else
21322       \let\R@@page\rot@LR
21323     \fi
21324     \ifthenelse{\isodd{\R@@page}}{%
21325       \ifrot@messages
21326         \if@rot@twoside
21327           \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
21328     \fi
21329     \fi
21330     \vfill
21331     \@@line{%
21332       \hskip\rotFPtop
21333       \rotatebox{90}{\box\rot@float@box}%
21334       \hskip\rotFPbot
21335     }%
21336   }{%
21337     \ifrot@messages
21338       \if@rot@twoside
21339         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
21340   \fi
21341   \fi%
21342   \@@line{%

```




```

21343         \hskip\rotFPbot
21344         \rotatebox{-90}{\box\rot@float@box}%
21345         \hskip\rotFPtop
21346     }%
21347     \vfill
21348 }%
21349     \rot@message{\the\rot@mess@toks}%
21350 }%
21351 \end@dblfloat
21352 }
21353 \def\turn#1{%
21354     \Grot@setangle{#1}%
21355     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21356 \def\endturn{%
21357     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21358     \unskip\color@endbox
21359     \Grot@x\z@
21360     \Grot@y\z@
21361     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21362 }
21363 \def\rotate#1{%
21364     \Grot@setangle{#1}%
21365     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21366 \def\endrotate{%
21367     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21368     \unskip\color@endbox
21369     \Grot@x\z@
21370     \Grot@y\z@
21371     \wd0\z@\dp0\z@\ht0\z@
21372     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21373 }
21374 \def\turnbox#1#2{%
21375     \Grot@setangle{#1}%
21376     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
21377     \Grot@x\z@\Grot@y\z@
21378     \wd0\z@\dp0\z@\ht0\z@
21379     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21380 }
21381 \def\sideways{%
21382     \Grot@setangle{90}%
21383     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21384 \def\endsideways{%
21385     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21386     \unskip\color@endbox
21387     \Grot@x\z@
21388     \Grot@y\z@
21389     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21390 }

```

141 File `scrartcl-xetex-bidi.def`

```

21391 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
21392 \newcommand{\scr@saved@LTRfootnotetext}{}
21393 \newcommand{\scr@saved@RTLfootnotetext}{}

```



```

21394 \let\scr@saved@footnotetext\@footnotetext
21395 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21396 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21397 \renewcommand{\@footnotetext}[1]{%
21398   \scr@saved@footnotetext{#1}%
21399   \csname FN@mfb@prepare\endcsname
21400 }
21401 \renewcommand{\@LTRfootnotetext}[1]{%
21402   \scr@saved@LTRfootnotetext{#1}%
21403   \csname FN@mfb@prepare\endcsname
21404 }
21405 \renewcommand{\@RTLfootnotetext}[1]{%
21406   \scr@saved@RTLfootnotetext{#1}%
21407   \csname FN@mfb@prepare\endcsname
21408 }
21409 \renewcommand\deffootnote[4][1]{%
21410   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21411     \long\def\@makefntext##1{%
21412       \ExecuteDoHook{footnote/text/begin}%
21413       \raggedfootnote
21414       \if@RTL
21415         \rightskip
21416       \else
21417         \leftskip
21418       \fi
21419       #2
21420       \l@addto@macro\@trivlist{%
21421         \ifnum\@listdepth=\@ne
21422           \if@RTL
21423             \advance\rightmargin #2\relax
21424           \else
21425             \advance\leftmargin #2\relax
21426           \fi
21427         \fi
21428       }%
21429       \parindent #3\noindent
21430       \IfArgIsEmpty{#1}{-}{%
21431         \hskip \dimexpr #1-#2\relax
21432       }%
21433       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21434       \ExecuteDoHook{footnote/text/end}%
21435     }%
21436   \else
21437     \ClassInfo{\KOMAClassName}{%
21438       Using old \string\@makefntext\space due to compatibility
21439       level\MessageBreak
21440       less than 3.22}%
21441     \long\def\@makefntext##1{%
21442       \setlength{\@tempdimc}{#3}%
21443       \def\@tempa{#1}\ifx\@tempa\@empty
21444         \@setpar{\@@par
21445           \@tempdima = \hsize
21446           \addtolength{\@tempdima}{-#2}%
21447           \if@RTL

```



```

21448         \parshape \@ne \z@ \@tempdima
21449     \else
21450         \parshape \@ne #2 \@tempdima
21451     \fi}%
21452 \else
21453     \addtolength{\@tempdimc}{#2}%
21454     \addtolength{\@tempdimc}{-#1}%
21455     \@setpar{\@par
21456         \@tempdima = \hsize
21457         \addtolength{\@tempdima}{-#1}%
21458         \@tempdimb = \hsize
21459         \addtolength{\@tempdimb}{-#2}%
21460         \if@RTL
21461             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21462         \else
21463             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21464         \fi
21465     }%
21466 \fi
21467 \par
21468 \parindent\@tempdimc\noindent
21469 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21470 }%
21471 \fi
21472 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21473 }
21474 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21475 \renewcommand*\left@footnoterule{%
21476     \normalsize\ftn@rule@test@values
21477     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21478     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21479     {\usekomafont{footnoterule}{%
21480         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21481     \kern 2.6\p@}
21482 \renewcommand*\right@footnoterule{%
21483     \normalsize\ftn@rule@test@values
21484     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21485     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21486     {\usekomafont{footnoterule}{%
21487         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
21488         \kern 2.6\p@}
21489 \renewcommand*\maketitle[1][1]{%
21490     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21491     \else
21492         \def\and{%
21493             \end{tabular}%
21494             \hskip 1em \@plus.17fil%
21495             \begin{tabular}[t]{c}%
21496         }%
21497     \fi
21498     \if@titlepage
21499         \begin{titlepage}
21500             \setcounter{page}{%
21501                 #1%

```



```

21502 }%
21503 \if@titlepageiscoverpage
21504   \edef\titlepage@restore{%
21505     \noexpand\endgroup
21506     \noexpand\global\noexpand\@colht\the\@colht
21507     \noexpand\global\noexpand\@colroom\the\@colroom
21508     \noexpand\global\vsizethe\vsizethe
21509     \noexpand\global\noexpand\@titlepageiscoverpagefalse
21510     \noexpand\let\noexpand\titlepage@restore\noexpand\relax
21511   }%
21512   \beginngroup
21513   \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21514   \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21515   \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21516   \textwidth=\dimexpr
21517   \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21518   \textheight=\dimexpr
21519   \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21520   \headheight=0pt
21521   \headsep=0pt
21522   \footskip=\baselineskip
21523   \@colht=\textheight
21524   \@colroom=\textheight
21525   \vsizethe=\textheight
21526   \columnwidth=\textwidth
21527   \hsize=\columnwidth
21528   \linewidth=\hsize
21529 \else
21530   \let\titlepage@restore\relax
21531 \fi
21532 \let\footnotesize\small
21533 \let\right@footnoterule\relax
21534 \let\left@footnoterule\relax
21535 \let\textwidth@footnoterule\relax
21536 \let\footnote\thanks
21537 \let\LTRfootnote\LTRthanks
21538 \let\RTLfootnote\RTLthanks
21539 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21540 \let\@oldmakefnmark\@makefnmark
21541 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
21542 \ifx\@extratitle\@empty
21543   \ifx\@frontispiece\@empty
21544     \else
21545       \if@twoside\mbox{}\next@tpage\fi
21546       \noindent\@frontispiece\next@tdpage
21547     \fi
21548   \else
21549     \noindent\@extratitle
21550     \ifx\@frontispiece\@empty
21551       \else
21552         \next@tpage
21553         \noindent\@frontispiece
21554       \fi
21555     \next@tdpage

```



```

21556 \fi
21557 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
21558 \ifx\@titlehead\@empty \else
21559 \begin{minipage}[t]{\textwidth}%
21560 \usekomafont{titlehead}{\@titlehead\par}%
21561 \end{minipage}\par
21562 \fi
21563 \null\vfill
21564 \begin{center}
21565 \ifx\@subject\@empty \else
21566 {\usekomafont{subject}{\@subject\par}}%
21567 \vskip 3em
21568 \fi
21569 {\usekomafont{title}{\huge \@title\par}}%
21570 \vskip 1em
21571 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21572 \vskip 2em
21573 {%
21574 \usekomafont{author}{%
21575 \lineskip 0.75em
21576 \begin{tabular}[t]{c}
21577 \@author
21578 \end{tabular}\par
21579 }%
21580 }%
21581 \vskip 1.5em
21582 {\usekomafont{date}{\@date \par}}%
21583 \vskip \z@ \@plus3fill
21584 {\usekomafont{publishers}{\@publishers \par}}%
21585 \vskip 3em
21586 \end{center}\par
21587 \@thanks\global\let\@thanks\@empty
21588 \vfill\null
21589 \if@twoside
21590 \@tempswatrue
21591 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21592 \else
21593 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21594 \@tempswafalse
21595 \fi\fi
21596 \fi
21597 \if@tempswa
21598 \next@tpage
21599 \begin{minipage}[t]{\textwidth}
21600 \@uppertitleback
21601 \end{minipage}\par
21602 \vfill
21603 \begin{minipage}[b]{\textwidth}
21604 \@lowertitleback
21605 \end{minipage}\par
21606 \@thanks\global\let\@thanks\@empty
21607 \fi
21608 \else
21609 \ifx\@uppertitleback\@empty\else

```



```

21610         \ClassWarning{\KOMAClassName}{%
21611             non empty \string\uppertitleback\space ignored
21612             by \string\maketitle\MessageBreak
21613             in `twoside=false' mode%
21614         }%
21615     \fi
21616     \ifx\@lowertitleback\@empty\else
21617         \ClassWarning{\KOMAClassName}{%
21618             non empty \string\lowertitleback\space ignored
21619             by \string\maketitle\MessageBreak
21620             in `twoside=false' mode%
21621         }%
21622     \fi
21623 \fi
21624 \ifx\@dedication\@empty
21625 \else
21626     \next@tdpage\null\vfill
21627     {\centering\usekomafont{dedication}{\@dedication \par}}%
21628     \vskip \z@ \@plus3fill
21629     \@thanks\global\let\@thanks\@empty
21630     \cleardoubleemptypage
21631 \fi
21632 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
21633 \end{titlepage}
21634 \else
21635     \par
21636     \@tempcnta=%
21637     #1%
21638     \relax\ifnum\@tempcnta=1\else
21639         \ClassWarning{\KOMAClassName}{%
21640             Optional argument of \string\maketitle\space ignored\MessageBreak
21641             in `titlepage=false' mode%
21642         }%
21643     \fi
21644     \ifx\@uppertitleback\@empty\else
21645         \ClassWarning{\KOMAClassName}{%
21646             non empty \string\uppertitleback\space ignored
21647             by \string\maketitle\MessageBreak
21648             in `titlepage=false' mode%
21649         }%
21650     \fi
21651     \ifx\@lowertitleback\@empty\else
21652         \ClassWarning{\KOMAClassName}{%
21653             non empty \string\lowertitleback\space ignored
21654             by \string\maketitle\MessageBreak
21655             in `titlepage=false' mode%
21656         }%
21657     \fi
21658     \begingroup
21659         \let\titlepage@restore\relax
21660         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21661         \let\@oldmakefnmark\@makefnmark
21662         \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
21663         \next@tdpage

```



```

21664 \if@twocolumn
21665 \ifnum \col@number=\@ne
21666 \ifx\@extratitle\@empty
21667 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21668 \else
21669 \@makeextratitle
21670 \fi
21671 \ifx\@frontispiece\@empty
21672 \ifx\@extratitle\@empty\else\next@tdpage\fi
21673 \else
21674 \next@tpage
21675 \@makefrontispiece
21676 \next@tdpage
21677 \fi
21678 \@maketitle
21679 \else
21680 \ifx\@extratitle\@empty
21681 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
21682 \else
21683 \twocolumn[\@makeextratitle]%
21684 \fi
21685 \ifx\@frontispiece\@empty
21686 \ifx\@extratitle\@empty\else\next@tdpage\fi
21687 \else
21688 \next@tpage
21689 \twocolumn[\@makefrontispiece]%
21690 \next@tdpage
21691 \fi
21692 \twocolumn[\@maketitle]%
21693 \fi
21694 \else
21695 \ifx\@extratitle\@empty
21696 \ifx\@frontispiece\@empty\else \mbox{}\fi
21697 \else
21698 \@makeextratitle
21699 \fi
21700 \ifx\@frontispiece\@empty
21701 \ifx\@extratitle\@empty\else\next@tdpage\fi
21702 \else
21703 \next@tpage
21704 \@makefrontispiece
21705 \next@tdpage
21706 \fi
21707 \@maketitle
21708 \fi
21709 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
21710 \@thanks\global\let\@thanks\@empty
21711 \endgroup
21712 \fi
21713 \setcounter{footnote}{0}%
21714 \expandafter\ifnum \c@name scr@v@3.12\endcsname>\scr@compatibility\relax
21715 \let\thanks\relax
21716 \let\LTRthanks\relax
21717 \let\RTLthanks\relax

```



```

21718 \let\maketitle\relax
21719 \let\@maketitle\relax
21720 \global\let\@thanks\@empty
21721 \global\let\@author\@empty
21722 \global\let\@date\@empty
21723 \global\let\@title\@empty
21724 \global\let\@subtitle\@empty
21725 \global\let\@extratitle\@empty
21726 \global\let\@frontispiece\@empty
21727 \global\let\@titlehead\@empty
21728 \global\let\@subject\@empty
21729 \global\let\@publishers\@empty
21730 \global\let\@uppertitleback\@empty
21731 \global\let\@lowertitleback\@empty
21732 \global\let\@dedication\@empty
21733 \global\let\author\relax
21734 \global\let\title\relax
21735 \global\let\extratitle\relax
21736 \global\let\titlehead\relax
21737 \global\let\subject\relax
21738 \global\let\publishers\relax
21739 \global\let\uppertitleback\relax
21740 \global\let\lowertitleback\relax
21741 \global\let\dedication\relax
21742 \global\let\date\relax
21743 \fi
21744 \global\let\and\relax
21745 }%
21746 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
21747 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
21748 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
21749 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
21750 \renewcommand*\thesubsubsection{}%
21751 \thesubsection\@SepMark\@arabic\c@subsubsection
21752 }
21753 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21754 \renewcommand*\thesubparagraph{}%
21755 \theparagraph\@SepMark\@arabic\c@subparagraph
21756 }
21757 \renewenvironment{thebibliography}[1]{%
21758 \if@bib@break@
21759 \bib@beginhook
21760 \else
21761 \bib@heading
21762 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
21763 \noindent\bibpreamble\par\nobreak
21764 \fi\fi
21765 \bib@beginhook
21766 \bib@before@hook
21767 \fi
21768 \renewcommand*\BreakBibliography}[1]{%
21769 \@bib@break
21770 \end{thebibliography}%
21771 \begingroup ##1\endgroup

```




```

21772 \begin{thebibliography}{#1}
21773 }%
21774 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21775 \bidi@thebibliography@font@hook%
21776 \list{%
21777 \@biblabel{\@arabic\c@enumiv}%
21778 }{%
21779 \settowidth\labelwidth{\@biblabel{#1}}%
21780 \leftmargin\labelwidth
21781 \advance\leftmargin\labelsep
21782 \@openbib@code
21783 \if@bib@break@
21784 \edef\@tempa{%
21785 \noexpand\usecounter{enumiv}%
21786 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
21787 }\@tempa
21788 \no@bib@break
21789 \else
21790 \usecounter{enumiv}%
21791 \fi
21792 \let\p@enumiv\@empty
21793 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
21794 }%
21795 \sloppy\clubpenalty4000 \widowpenalty4000
21796 \sfcode`\.=\@m
21797 }{%
21798 \if@bib@break@
21799 \def\@noitemerr{%
21800 \@latex@warning{%
21801 \string\BreakBibliography\space at begin of `thebibliography'
21802 environment\MessageBreak
21803 or following \string\BreakBibliography}%
21804 }%
21805 \else
21806 \def\@noitemerr{%
21807 \@latex@warning{%
21808 Empty `thebibliography' environment or
21809 \string\BreakBibliography\MessageBreak
21810 before end of `thebibliography' environment}%
21811 }%
21812 \fi
21813 \endlist
21814 \if@bib@break@
21815 \else
21816 \bib@after@hook
21817 \let\bib@before@hook\@empty
21818 \let\bib@after@hook\@empty
21819 \fi
21820 \bib@endhook
21821 }
21822 \renewcommand*\@raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
21823 \renewcommand*\@raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
21824 \renewcommand*\@raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
21825 \renewcommand\marginline[1]{%

```



```

21826 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
21827 }
21828 \renewcommand{\@@makecaption}[3]{%
21829 \cap@margin
21830 \begingroup
21831 \ifonelinecaptions
21832 \def\stepcounter##1{\advance\value{##1}\@ne}%
21833 \let\refstepcounter\stepcounter
21834 \let\label\@gobble
21835 \let\@footnotetext=\@gobble
21836 \let\@LTRfootnotetext=\@gobble
21837 \let\@RTLfootnotetext=\@gobble
21838 \let\hypertarget\@gobbletwo
21839 \edef\xnewline{%
21840 \unexpanded{\ClassInfo{\KOMAClassName}{%
21841 Workaround for not recommended usage of \string\\ or\MessageBreak
21842 \string\newline in caption text
21843 }%
21844 \hspace*{\linewidth}\hspace{1sp}%
21845 }%
21846 \unexpanded\expandafter{\@xnewline}%
21847 }%
21848 \edef\xcentercr{%
21849 \unexpanded{\ClassInfo{\KOMAClassName}{%
21850 Workaround for not recommended usage of \string\\ or\MessageBreak
21851 \string\newline in caption text
21852 }%
21853 \hspace*{\linewidth}\hspace{1sp}%
21854 }%
21855 \unexpanded\expandafter{\@xcentercr}%
21856 }%
21857 \settowidth{\@tempdima}{\scr@@makesinglelinecaption{#1}{#2}{#3}}%
21858 \ifdim\@tempdima>\cap@width
21859 \aftergroup\scr@makemultilinecaption
21860 \else
21861 \aftergroup\scr@makesinglelinecaption
21862 \fi
21863 \else
21864 \aftergroup\scr@makemultilinecaption
21865 \fi
21866 \endgroup
21867 {#1}{#2}{#3}%
21868 }
21869 \renewcommand{\scr@makesinglelinecaption}[3]{%
21870 {%
21871 \usefontofkomafont{caption}{%
21872 \hb@xt@\hsize{%
21873 \cap@left
21874 \if@RTL
21875 \beginR
21876 \fi
21877 \scr@@makesinglelinecaption{#1}{#2}{#3}%
21878 \if@RTL
21879 \endR

```



```

21880         \fi
21881         \cap@right
21882     }\par\kern\dp\strutbox%
21883     }%
21884 }\kern-\dp\strutbox
21885 }
21886 \renewcommand{\@makecaption}[2]{%
21887   \if@captionabove
21888     \vskip\belowcaptionskip
21889   \else
21890     \vskip\abovecaptionskip
21891   \fi
21892   \@makecaption\@firstofone{#1}{#2}%
21893   \if@captionabove
21894     \vskip\abovecaptionskip
21895   \else
21896     \vskip\belowcaptionskip
21897   \fi
21898 }
21899
21900 \renewcommand{\scr@makesinglelinecaption}[3]{%
21901   {\usekomafont{caption}{\strut\ignorespaces
21902     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
21903   \ignorespaces #3\unskip}}%
21904 }
21905
21906 \renewcommand{\scr@makemultilinecaption}[3]{%
21907   {%
21908     \usefontofkomafont{caption}{%
21909       \hb@xt@\hsize{%
21910         \cap@left
21911         \vbox{\hsize\cap@width\linewidth\hsize
21912           \scr@ifundefinedorrelax{@captive}{%
21913             \ClassWarning{\KOMAClassName}{%
21914               '\string\caption' outside float.\MessageBreak
21915               Seems you are using '\string\caption' outside a
21916               float.\MessageBreak
21917               Maybe you are using a package that uses
21918               '\string\@makecaption'\MessageBreak
21919               without setting '\string@captive' before.\MessageBreak
21920               Because I cannot detect the caption type, I'm using\MessageBreak
21921               the empty one.%
21922             }%
21923             \let@captive@empty
21924           }{}%
21925           \scr@ifundefinedorrelax{ragged@captive caption}{\raggedcaption}{%
21926             \@nameuse{ragged@captive caption}%
21927           }%
21928           \ifdofullc@p
21929             \@hangfrom{%
21930               \strut
21931               \scr@smashdp{%
21932                 #1{%
21933                   \usekomafont{caption}{%

```



```

21934         \usekomafont{captionlabel}{#2\captionformat}%
21935     }%
21936 }%
21937 }%
21938 }%
21939 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21940 \else
21941 \ifdim\cap@indent<\z@
21942 \strut
21943 #1{%
21944     {\usekomafont{caption}{%
21945         \usekomafont{captionlabel}{#2\captionformat}%
21946     }}%
21947 }\par}%
21948 \noindent{{\usekomafont{caption}{%
21949     \hspace*{-\cap@indent}#3\scr@endstrut
21950 }}\par}%
21951 \else
21952 \if@capbreak
21953 \strut
21954 #1{%
21955     {\usekomafont{caption}{%
21956         \usekomafont{captionlabel}{#2\captionformat}%
21957     }}%
21958 }\par}%
21959 \noindent\@hangfrom{\hspace*{\cap@indent}}%
21960 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21961 \else
21962 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
21963 {%
21964     \hspace{-\cap@indent}%
21965     \scr@smashdp{%
21966         #1{\usekomafont{caption}{%
21967             \usekomafont{captionlabel}{#2\captionformat}%
21968         }}%
21969     }%
21970 }%
21971 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21972 }%
21973 \fi
21974 \fi
21975 \fi
21976 }%
21977 \cap@right
21978 }\par\kern\dp\strutbox
21979 }%
21980 }\kern-\dp\strutbox
21981 }
21982
21983 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21984 \if@komalongtable
21985 \renewcommand{LT@makecaption}[3]{%
21986 \noalign{%
21987 \if@captionabove

```



```

21988         \vskip\belowcaptionskip
21989     \else
21990         \vskip\abovecaptionskip
21991     \fi
21992 }%
21993 \LT@mcol\LT@cols c{%
21994     \hbox to\z@{\hss\parbox[t]{\linewidth{%
21995         \def\@capytype{table}%
21996         \@makecaption{#1}{#2}{#3}%
21997         \endgraf
21998         \if@captionabove
21999             \vskip\abovecaptionskip
22000         \else
22001             \vskip\belowcaptionskip
22002         \fi
22003     }}%
22004     \hss
22005 }%
22006 }%
22007 }%
22008 \renewcommand*{\scr@LT@array}{}%
22009 \let\scr@LT@array=\LT@array
22010 \renewcommand*{\LT@array}{%
22011     \let\scr@caption=\LT@caption
22012     \def\captionabove{\noalign{\global\@captionabovetrue}%
22013         \scr@caption}%
22014     \def\captionbelow{\noalign{\global\@captionabovetrue}%
22015         \scr@caption}%
22016     \if@tablecaptionabove
22017         \let\LT@caption=\captionabove
22018     \else
22019         \let\LT@caption=\captionbelow
22020     \fi
22021     \scr@LT@array
22022 }%
22023 \ClassInfo{\KOMAClassName}{%
22024     longtable captions redefined%
22025 }%
22026 \fi
22027 }
22028
22029 \CloneTOCEntryStyle{tocline}{part}
22030 \TOCEntryStyleStartInitCode{part}{%
22031     \expandafter\renewcommand%
22032     \csname scr@tso@#1@linefill\endcsname{\hfill}%
22033     \expandafter\renewcommand%
22034     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22035     \expandafter\renewcommand%
22036     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22037         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22038     \expandafter\renewcommand\expandafter*%
22039     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22040 }
22041

```



```

22042 \CloneTOCEntryStyle{tocline}{section}
22043 \TOCEntryStyleStartInitCode{section}{%
22044   \expandafter\renewcommand%
22045   \csname scr@tso@#1@linefill\endcsname{%
22046     \if@sectionentrywithdots
22047       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22048     \else
22049       \hfill
22050     \fi
22051   }%
22052   \expandafter\renewcommand%
22053   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}}%
22054   \expandafter\renewcommand%
22055   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
22056   \expandafter\renewcommand\expandafter*%
22057   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}}%
22058 }
22059
22060 \CloneTOCEntryStyle{tocline}{subsection}
22061 \TOCEntryStyleStartInitCode{subsection}{%
22062   \expandafter\renewcommand%
22063   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22064   \expandafter\renewcommand%
22065   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22066     {\normalfont\normalcolor ##1}}}%
22067 }
22068
22069 \CloneTOCEntryStyle{subsection}{default}
22070
22071 \DeclareSectionCommand[%
22072   style=section,%
22073   level=1,%
22074   indent=\z@,%
22075   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22076   afterskip=2.3ex \@plus.2ex,%
22077   tocstyle=section,%
22078   tocindent=0pt,%
22079   tocnumwidth=1.5em%
22080 ]{section}
22081 \DeclareSectionCommand[%
22082   style=part,%
22083   level=\z@,%
22084   tocstyle=part,%
22085   toclevel=\m@ne,%
22086   tocindent=\z@,%
22087   tocnumwidth=2em%
22088 ]{part}
22089 \DeclareSectionCommand[%
22090   style=section,%
22091   level=2,%
22092   indent=\z@,%
22093   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22094   afterskip=1.5ex \@plus .2ex,%
22095   tocstyle=subsection,%

```



```

22096   tocindent=1.5em,%
22097   tocnumwidth=2.3em%
22098 ]{subsection}
22099 \DeclareSectionCommand[%
22100   style=section,%
22101   level=3,%
22102   indent=\z@,%
22103   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22104   afterskip=1.5ex \@plus .2ex,%
22105   tocstyle=subsection,%
22106   tocindent=3.8em,%
22107   tocnumwidth=3.2em%
22108 ]{subsubsection}
22109 \DeclareSectionCommand[%
22110   style=section,%
22111   level=4,%
22112   indent=\z@,%
22113   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
22114   afterskip=-1em,%
22115   tocstyle=subsection,%
22116   tocindentfollows=subsubsection,%
22117   tocindent=7.0em,%
22118   tocnumwidth=4.1em%
22119 ]{paragraph}
22120 \DeclareSectionCommand[%
22121   style=section,%
22122   level=5,%
22123   indent=\scr@parindent,%
22124   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
22125   afterskip=-1em,%
22126   tocstyle=subsection,%
22127   tocindent=10em,%
22128   tocnumwidth=5em%
22129 ]{subparagraph}

```

142 File scrbook-xetex-bidi.def

```

22130 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
22131 \newcommand{\scr@saved@LTRfootnotetext}{}
22132 \newcommand{\scr@saved@RTLfootnotetext}{}
22133 \let\scr@saved@footnotetext\@footnotetext
22134 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22135 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22136 \renewcommand{\@footnotetext}[1]{%
22137   \scr@saved@footnotetext{#1}%
22138   \csname FN@mf@prepare\endcsname
22139 }
22140 \renewcommand{\@LTRfootnotetext}[1]{%
22141   \scr@saved@LTRfootnotetext{#1}%
22142   \csname FN@mf@prepare\endcsname
22143 }
22144 \renewcommand{\@RTLfootnotetext}[1]{%
22145   \scr@saved@RTLfootnotetext{#1}%
22146   \csname FN@mf@prepare\endcsname

```



```

22147 }
22148 \renewcommand\deffootnote[4] [] {%
22149   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22150     \long\def\@makefntext##1{%
22151       \ExecuteDoHook{footnote/text/begin}%
22152       \raggedfootnote
22153       \if@RTL
22154         \rightskip
22155       \else
22156         \leftskip
22157       \fi
22158       #2
22159       \l@addto@macro\@trivlist{%
22160         \ifnum\@listdepth=\@one\advance
22161           \if@RTL
22162             \rightmargin #2\relax
22163           \else
22164             \leftmargin #2\relax
22165           \fi
22166         \fi
22167       }%
22168       \parindent #3\noindent
22169       \IfArgIsEmpty{#1}{}%
22170       \hskip \dimexpr #1-#2\relax
22171     }%
22172     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22173     \ExecuteDoHook{footnote/text/end}%
22174   }%
22175 \else
22176   \ClassInfo{\KOMAClassName}{%
22177     Using old \string\@makefntext\space due to compatibility
22178     level\MessageBreak
22179     less than 3.22}%
22180   \long\def\@makefntext##1{%
22181     \setlength{\@tempdimc}{#3}%
22182     \def\@tempa{#1}\ifx\@tempa\@empty
22183       \@setpar{\@par
22184         \@tempdima = \hspace
22185         \addtolength{\@tempdima}{-#2}%
22186         \if@RTL
22187           \parshape \@one \z@ \@tempdima
22188         \else
22189           \parshape \@one #2 \@tempdima
22190         \fi
22191       }%
22192     \else
22193       \addtolength{\@tempdimc}{#2}%
22194       \addtolength{\@tempdimc}{-#1}%
22195       \@setpar{\@par
22196         \@tempdima = \hspace
22197         \addtolength{\@tempdima}{-#1}%
22198         \@tempdimb = \hspace
22199         \addtolength{\@tempdimb}{-#2}%
22200         \if@RTL

```




```

22201         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22202     \else
22203         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22204     \fi
22205 }%
22206 \fi
22207 \par
22208 \parindent\@tempdimc\noindent
22209 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22210 }%
22211 \fi
22212 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
22213 }
22214 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22215 \renewcommand*\left@footnoterule{%
22216     \normalsize\ftn@rule@test@values
22217     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22218     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22219     {\usekomafont{footnoterule}{%
22220         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22221     \kern 2.6\p@}
22222 \renewcommand*\right@footnoterule{%
22223     \normalsize\ftn@rule@test@values
22224     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22225     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22226     {\usekomafont{footnoterule}{%
22227         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
22228     \kern 2.6\p@}
22229 \renewcommand*\maketitle[1][1]{%
22230     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22231     \else
22232         \def\and{%
22233             \end{tabular}%
22234             \hskip 1em \@plus.17fil%
22235             \begin{tabular}[t]{c}%
22236         }%
22237     \fi
22238     \if@titlepage
22239         \begin{titlepage}
22240             \setcounter{page}{%
22241                 #1%
22242             }%
22243             \if@titlepageiscoverpage
22244                 \edef\tITLEPAGE@restore{%
22245                     \noexpand\endgroup
22246                     \noexpand\global\noexpand\@colht\the\@colht
22247                     \noexpand\global\noexpand\@colroom\the\@colroom
22248                     \noexpand\global\vsizethe\vsizethe
22249                     \noexpand\global\noexpand\@titlepageiscoverpagefalse
22250                     \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
22251                 }%
22252                 \begingroup
22253                 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22254                 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax

```



```

22255 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22256 \textwidth=\dimexpr
22257 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22258 \textheight=\dimexpr
22259 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22260 \headheight=0pt
22261 \headsep=0pt
22262 \footskip=\baselineskip
22263 \@colht=\textheight
22264 \@colroom=\textheight
22265 \vsize=\textheight
22266 \columnwidth=\textwidth
22267 \hsize=\columnwidth
22268 \linewidth=\hsize
22269 \else
22270 \let\titlepage@restore\relax
22271 \fi
22272 \let\footnotesize\small
22273 \let\right@footnoterule\relax
22274 \let\left@footnoterule\relax
22275 \let\textwidth@footnoterule\relax
22276 \let\footnote\thanks
22277 \let\LTRfootnote\LTRthanks
22278 \let\RTLfootnote\RTLthanks
22279 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22280 \let\oldmakefnmark\makefnmark
22281 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}%
22282 \ifx\@extratitle\@empty
22283 \ifx\@frontispiece\@empty
22284 \else
22285 \if@twoside\mbox{}\next@tpage\fi
22286 \noindent\@frontispiece\next@tdpage
22287 \fi
22288 \else
22289 \noindent\@extratitle
22290 \ifx\@frontispiece\@empty
22291 \else
22292 \next@tpage
22293 \noindent\@frontispiece
22294 \fi
22295 \next@tdpage
22296 \fi
22297 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22298 \ifx\@titlehead\@empty \else
22299 \begin{minipage}[t]{\textwidth}%
22300 \usekomafont{titlehead}{\@titlehead\par}%
22301 \end{minipage}\par
22302 \fi
22303 \null\vfill
22304 \begin{center}
22305 \ifx\@subject\@empty \else
22306 {\usekomafont{subject}{\@subject\par}}%
22307 \vskip 3em
22308 \fi

```



```

22309      {\usekomafont{title}{\huge \@title\par}}%
22310      \vskip 1em
22311      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22312      \vskip 2em
22313      {%
22314          \usekomafont{author}{%
22315              \lineskip 0.75em
22316              \begin{tabular}[t]{c}
22317                  \@author
22318              \end{tabular}\par
22319          }%
22320      }%
22321      \vskip 1.5em
22322      {\usekomafont{date}{\@date \par}}%
22323      \vskip \z@ \@plus3fill
22324      {\usekomafont{publishers}{\@publishers \par}}%
22325      \vskip 3em
22326      \end{center}\par
22327      \@thanks\global\let\@thanks\@empty
22328      \vfill\null
22329      \if@twoside
22330          \@tempwatrue
22331          \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22332          \else
22333              \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22334                  \@tempwafalse
22335              \fi\fi
22336          \fi
22337          \if@tempswa
22338              \next@tpage
22339              \begin{minipage}[t]{\textwidth}
22340                  \@uppertitleback
22341              \end{minipage}\par
22342              \vfill
22343              \begin{minipage}[b]{\textwidth}
22344                  \@lowertitleback
22345              \end{minipage}\par
22346              \@thanks\global\let\@thanks\@empty
22347          \fi
22348      \else
22349          \ifx\@uppertitleback\@empty\else
22350              \ClassWarning{\KOMAClassName}{%
22351                  non empty \string\uppertitleback\space ignored
22352                  by \string\maketitle\MessageBreak
22353                  in `twoside=false' mode%
22354              }%
22355          \fi
22356          \ifx\@lowertitleback\@empty\else
22357              \ClassWarning{\KOMAClassName}{%
22358                  non empty \string\lowertitleback\space ignored
22359                  by \string\maketitle\MessageBreak
22360                  in `twoside=false' mode%
22361              }%
22362          \fi

```



```

22363 \fi
22364 \ifx\@dedication\@empty
22365 \else
22366 \next@tdpage\null\vfill
22367 {\centering\usekomafont{dedication}{\@dedication \par}}%
22368 \vskip \z@ \@plus3fill
22369 \@thanks\global\let\@thanks\@empty
22370 \cleardoubleemptypage
22371 \fi
22372 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22373 \end{titlepage}
22374 \else
22375 \par
22376 \@tempcnta=%
22377 #1%
22378 \relax\ifnum\@tempcnta=1\else
22379 \ClassWarning{KOMAClassName}{%
22380 Optional argument of \string\maketitle\space ignored\MessageBreak
22381 in `titlepage=false' mode%
22382 }%
22383 \fi
22384 \ifx\@uppertitleback\@empty\else
22385 \ClassWarning{KOMAClassName}{%
22386 non empty \string\uppertitleback\space ignored
22387 by \string\maketitle\MessageBreak
22388 in `titlepage=false' mode%
22389 }%
22390 \fi
22391 \ifx\@lowertitleback\@empty\else
22392 \ClassWarning{KOMAClassName}{%
22393 non empty \string\lowertitleback\space ignored
22394 by \string\maketitle\MessageBreak
22395 in `titlepage=false' mode%
22396 }%
22397 \fi
22398 \begingroup
22399 \let\titlepage@restore\relax
22400 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22401 \let\@oldmakefnmark\@makefnmark
22402 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
22403 \next@tdpage
22404 \if@twocolumn
22405 \ifnum \col@number=\@ne
22406 \ifx\@extratitle\@empty
22407 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22408 \else
22409 \@makeextratitle
22410 \fi
22411 \ifx\@frontispiece\@empty
22412 \ifx\@extratitle\@empty\else\next@tdpage\fi
22413 \else
22414 \next@tpage
22415 \@makefrontispiece
22416 \next@tdpage

```



```

22417         \fi
22418         \@maketitle
22419     \else
22420         \ifx\@extratitle\@empty
22421             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22422         \else
22423             \twocolumn[\@makeextratitle]%
22424         \fi
22425         \ifx\@frontispiece\@empty
22426             \ifx\@extratitle\@empty\else\next@tdpage\fi
22427         \else
22428             \next@tpage
22429             \twocolumn[\@makefrontispiece]%
22430             \next@tdpage
22431         \fi
22432         \twocolumn[\@maketitle]%
22433     \fi
22434 \else
22435     \ifx\@extratitle\@empty
22436         \ifx\@frontispiece\@empty\else \mbox{}\fi
22437     \else
22438         \@makeextratitle
22439     \fi
22440     \ifx\@frontispiece\@empty
22441         \ifx\@extratitle\@empty\else\next@tdpage\fi
22442     \else
22443         \next@tpage
22444         \@makefrontispiece
22445         \next@tdpage
22446     \fi
22447     \@maketitle
22448 \fi
22449     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22450     \@thanks\global\let\@thanks\@empty
22451 \endgroup
22452 \fi
22453 \setcounter{footnote}{0}%
22454 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22455     \let\thanks\relax
22456     \let\LTRthanks\relax
22457     \let\RTLthanks\relax
22458     \let\maketitle\relax
22459     \let\@maketitle\relax
22460     \global\let\@thanks\@empty
22461     \global\let\@author\@empty
22462     \global\let\@date\@empty
22463     \global\let\@title\@empty
22464     \global\let\@subtitle\@empty
22465     \global\let\@extratitle\@empty
22466     \global\let\@frontispiece\@empty
22467     \global\let\@titlehead\@empty
22468     \global\let\@subject\@empty
22469     \global\let\@publishers\@empty
22470     \global\let\@uppertitleback\@empty

```



```

22471 \global\let\@lowertitleback\@empty
22472 \global\let\@dedication\@empty
22473 \global\let\author\relax
22474 \global\let\title\relax
22475 \global\let\extratitle\relax
22476 \global\let\titlehead\relax
22477 \global\let\subject\relax
22478 \global\let\publishers\relax
22479 \global\let\uppertitleback\relax
22480 \global\let\lowertitleback\relax
22481 \global\let\dedication\relax
22482 \global\let\date\relax
22483 \fi
22484 \global\let\and\relax
22485 }%
22486 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22487 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22488 \renewcommand*\thesection{%
22489 \expandafter\ifnum\scr@v@is@gt{2.97d}%
22490 \if@mainmatter\thechapter\@SepMark\fi
22491 \else
22492 \thechapter\@SepMark%
22493 \fi
22494 \@arabic\c@section
22495 }
22496 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22497 \renewcommand*{\thesubsubsection}{%
22498 \thesubsection\@SepMark\@arabic\c@subsubsection
22499 }
22500 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22501 \renewcommand*{\thesubparagraph}{%
22502 \theparagraph\@SepMark\@arabic\c@subparagraph
22503 }
22504 \expandafter\ifnum\scr@v@is@le{2.97d}%
22505 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22506 \fi
22507 \expandafter\ifnum\scr@v@is@le{2.97d}%
22508 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22509 \fi
22510 \renewcommand*\theequation{%
22511 \expandafter\ifnum\scr@v@is@gt{2.97d}%
22512 \if@mainmatter\thechapter\@SepMark\fi
22513 \else
22514 \thechapter\@SepMark%
22515 \fi
22516 \@arabic\c@equation
22517 }
22518 \renewenvironment{thebibliography}[1]{%
22519 \if@bib@break@
22520 \bib@beginhook
22521 \else
22522 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22523 \setchapterpreamble{\bibpreamble}%
22524 \fi\fi

```



```

22525 \bib@heading
22526 \bib@beginhook
22527 \bib@before@hook
22528 \fi
22529 \renewcommand{\BreakBibliography}[1]{%
22530 \@bib@break
22531 \end{thebibliography}%
22532 \begingroup ##1\endgroup
22533 \begin{thebibliography}{#1}
22534 }%
22535 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22536 \bidi@thebibliography@font@hook%
22537 \list{%
22538 \@biblabel{\@arabic\c@enumiv}%
22539 }{%
22540 \settowidth\labelwidth{\@biblabel{#1}}%
22541 \leftmargin\labelwidth
22542 \advance\leftmargin\labelsep
22543 \@openbib@code
22544 \if@bib@break@
22545 \edef\@tempa{%
22546 \noexpand\usecounter{enumiv}%
22547 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22548 }\@tempa
22549 \no@bib@break
22550 \else
22551 \usecounter{enumiv}%
22552 \fi
22553 \let\p@enumiv\@empty
22554 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22555 }%
22556 \sloppy\clubpenalty4000 \widowpenalty4000
22557 \sfcode`\.=\@m
22558 }{%
22559 \if@bib@break@
22560 \def\@noitemerr{%
22561 \@latex@warning{%
22562 \string\BreakBibliography\space at begin of `thebibliography'
22563 environment\MessageBreak
22564 or following \string\BreakBibliography}%
22565 }%
22566 \else
22567 \def\@noitemerr{%
22568 \@latex@warning{%
22569 Empty `thebibliography' environment or
22570 \string\BreakBibliography\MessageBreak
22571 before end of `thebibliography' environment}%
22572 }%
22573 \fi
22574 \endlist
22575 \if@bib@break@
22576 \else
22577 \bib@after@hook
22578 \let\bib@before@hook\@empty

```



```

22579 \let\bib@after@hook\empty
22580 \fi
22581 \bib@endhook
22582 }
22583 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
22584 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
22585 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
22586 \renewcommand\marginline[1]{%
22587 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22588 }
22589 \renewcommand{\@@makecaption}[3]{%
22590 \cap@margin
22591 \begingroup
22592 \ifonelinecaptions
22593 \def\stepcounter##1{\advance\value{##1}\@ne}%
22594 \let\refstepcounter\stepcounter
22595 \let\label\@gobble
22596 \let\@footnotetext=\@gobble
22597 \let\@LTRfootnotetext=\@gobble
22598 \let\@RTLfootnotetext=\@gobble
22599 \let\hypertarget\@gobbletwo
22600 \edef\@xnewline{%
22601 \unexpanded{\ClassInfo{\KOMAClassName}{%
22602 Workaround for not recommended usage of \string\\ or\MessageBreak
22603 \string\newline in caption text
22604 }%
22605 \hspace*{\linewidth}\hspace{1sp}%
22606 }%
22607 \unexpanded\expandafter{\@xnewline}%
22608 }%
22609 \edef\@xcentercr{%
22610 \unexpanded{\ClassInfo{\KOMAClassName}{%
22611 Workaround for not recommended usage of \string\\ or\MessageBreak
22612 \string\newline in caption text
22613 }%
22614 \hspace*{\linewidth}\hspace{1sp}%
22615 }%
22616 \unexpanded\expandafter{\@xcentercr}%
22617 }%
22618 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22619 \ifdim\@tempdima>\cap@width
22620 \aftergroup\scr@makemultilinecaption
22621 \else
22622 \aftergroup\scr@makesinglelinecaption
22623 \fi
22624 \else
22625 \aftergroup\scr@makemultilinecaption
22626 \fi
22627 \endgroup
22628 {#1}{#2}{#3}%
22629 }
22630 \renewcommand{\scr@makesinglelinecaption}[3]{%
22631 {%
22632 \usefontofkomafont{caption}{%

```




```

22633 \hb@xt@\hsize{%
22634 \cap@left
22635 \if@RTL
22636 \beginR
22637 \fi
22638 \scr@@makesinglelinecaption{#1}{#2}{#3}%
22639 \if@RTL
22640 \endR
22641 \fi
22642 \cap@right
22643 }\par\kern\dp\strutbox%
22644 }%
22645 }\kern-\dp\strutbox
22646 }
22647 \renewcommand{\@makecaption}[2]{%
22648 \if@captionabove
22649 \vskip\belowcaptionskip
22650 \else
22651 \vskip\abovecaptionskip
22652 \fi
22653 \@makecaption\@firstofone{#1}{#2}%
22654 \if@captionabove
22655 \vskip\abovecaptionskip
22656 \else
22657 \vskip\belowcaptionskip
22658 \fi
22659 }
22660
22661 \renewcommand{\scr@@makesinglelinecaption}[3]{%
22662 {\usekomafont{caption}{\strut\ignorespaces
22663 #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22664 \ignorespaces #3\unskip}}%
22665 }
22666
22667 \renewcommand{\scr@makemultilinecaption}[3]{%
22668 {%
22669 \usefontofkomafont{caption}{%
22670 \hb@xt@\hsize{%
22671 \cap@left
22672 \vbox{\hsize\cap@width\linewidth\hsize
22673 \scr@ifundefinedorrelax{@capttype}{%
22674 \ClassWarning{\KOMAClassName}{%
22675 ``\string\caption' outside float.\MessageBreak
22676 Seems you are using ``\string\caption' outside a
22677 float.\MessageBreak
22678 Maybe you are using a package that uses
22679 ``\string\makecaption'\MessageBreak
22680 without setting ``\string\@capttype' before.\MessageBreak
22681 Because I cannot detect the caption type, I'm using\MessageBreak
22682 the empty one.%
22683 }%
22684 \let\@capttype\@empty
22685 }{}%
22686 \scr@ifundefinedorrelax{ragged\@capttype}{\raggedcaption}{%

```



```

22687         \@nameuse{ragged\@captype caption}%
22688     }%
22689     \ifdofullc@p
22690         \@hangfrom{%
22691             \strut
22692             \scr@smashdp{%
22693                 #1{%
22694                     \usekomafont{caption}{%
22695                         \usekomafont{captionlabel}{#2\captionformat}%
22696                     }%
22697                 }%
22698             }%
22699         }%
22700         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22701     \else
22702         \ifdim\cap@indent<\z@
22703             \strut
22704             #1{%
22705                 {\usekomafont{caption}{%
22706                     \usekomafont{captionlabel}{#2\captionformat}%
22707                 }%
22708             }\par}%
22709             \noindent{{\usekomafont{caption}{%
22710                 \hspace*{-\cap@indent}#3\scr@endstrut
22711             }}\par}%
22712         \else
22713             \if@capbreak
22714                 \strut
22715                 #1{%
22716                     {\usekomafont{caption}{%
22717                         \usekomafont{captionlabel}{#2\captionformat}%
22718                     }
22719                 }\par}%
22720                 \noindent\@hangfrom{\hspace*{\cap@indent}}%
22721                 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22722             \else
22723                 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22724                 {%
22725                     \hspace*{-\cap@indent}%
22726                     \scr@smashdp{%
22727                         #1{\usekomafont{caption}{%
22728                             \usekomafont{captionlabel}{#2\captionformat}%
22729                         }%
22730                     }%
22731                 }%
22732                 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
22733             }%
22734             \fi
22735         \fi
22736     \fi
22737 }%
22738 \cap@right
22739 }\par\kern\dp\strutbox
22740 }%

```



```

22741 } \kern-\dp\strutbox
22742 }
22743
22744
22745 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22746   \if@komalongtable
22747     \renewcommand{\LT@makecaption}[3]{%
22748       \noalign{%
22749         \if@captionabove
22750           \vskip\belowcaptionskip
22751         \else
22752           \vskip\abovecaptionskip
22753         \fi
22754       }%
22755       \LT@mcol\LT@cols c{%
22756         \hbox to\z@{\hss\parbox[t]{\linewidth{%
22757           \def\@capytype{table}%
22758           \@makecaption{#1}{#2}{#3}%
22759           \endgraf
22760           \if@captionabove
22761             \vskip\abovecaptionskip
22762           \else
22763             \vskip\belowcaptionskip
22764           \fi
22765         }%
22766         \hss
22767       }%
22768     }%
22769   }%
22770   \renewcommand*{\scr@LT@array}{}%
22771   \let\scr@LT@array=\LT@array
22772   \renewcommand*{\LT@array}{%
22773     \let\scr@caption=\LT@caption
22774     \def\captionabove{\noalign{\global\@captionabovetrue}%
22775       \scr@caption}%
22776     \def\captionbelow{\noalign{\global\@captionabovetrue}%
22777       \scr@caption}%
22778     \if@tablecaptionabove
22779       \let\LT@caption=\captionabove
22780     \else
22781       \let\LT@caption=\captionbelow
22782     \fi
22783     \scr@LT@array
22784   }%
22785   \ClassInfo{\KOMAClassName}{%
22786     longtable captions redefined%
22787   }%
22788   \fi
22789 }
22790
22791 \CloneTOCEntryStyle{tocline}{part}
22792 \TOCEntryStyleStartInitCode{part}{%
22793   \expandafter\renewcommand%
22794   \csname scr@tso@#1@linefill\endcsname{\hfill}%

```



```

22795 \expandafter\renewcommand%
22796 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22797 \expandafter\renewcommand%
22798 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22799     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
22800 \expandafter\renewcommand\expandafter*%
22801 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22802 }
22803
22804 \CloneTOCEntryStyle{tocline}{chapter}
22805 \TOCEntryStyleStartInitCode{chapter}{%
22806     \expandafter\renewcommand%
22807     \csname scr@tso@#1@linefill\endcsname{%
22808         \if@chapterentrywithdots
22809             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
22810         \else
22811             \hfill
22812         \fi
22813     }%
22814     \expandafter\renewcommand%
22815     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
22816     \expandafter\renewcommand%
22817     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22818         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
22819     \expandafter\renewcommand\expandafter*%
22820     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22821 }
22822
22823 \CloneTOCEntryStyle{tocline}{section}
22824 \TOCEntryStyleStartInitCode{section}{%
22825     \expandafter\renewcommand%
22826     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22827     \expandafter\renewcommand%
22828     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22829         {\normalfont\normalcolor ##1}}%
22830 }
22831
22832 \CloneTOCEntryStyle{section}{default}
22833
22834 \DeclareSectionCommand[%
22835     style=chapter,%
22836     level=\z@,%
22837     pagestyle=plain,%
22838     tocstyle=chapter,%
22839     tocindent=\z@,%
22840     tocnumwidth=1.5em%
22841 ]{chapter}
22842 \DeclareSectionCommand[%
22843     style=section,%
22844     level=1,%
22845     indent=\z@,%
22846     beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22847     afterskip=2.3ex \@plus.2ex,%
22848     tocstyle=section,%

```



```

22849 tocindentfollows=chapter,%
22850 tocindent=1.5em,%
22851 tocnumwidth=2.3em%
22852 ]{section}
22853 \DeclareSectionCommand[%
22854 style=part,%
22855 level=\m@ne,%
22856 pagestyle=plain,%
22857 tocstyle=part,%
22858 toplevel=\m@ne,%
22859 tocindent=\z@,%
22860 tocnumwidth=2em%
22861 ]{part}
22862 \DeclareSectionCommand[%
22863 style=section,%
22864 level=2,%
22865 indent=\z@,%
22866 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22867 afterskip=1.5ex \@plus .2ex,%
22868 tocstyle=section,%
22869 tocindent=3.8em,%
22870 tocnumwidth=3.2em%
22871 ]{subsection}
22872 \DeclareSectionCommand[%
22873 style=section,%
22874 level=3,%
22875 indent=\z@,%
22876 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
22877 afterskip=1.5ex \@plus .2ex,%
22878 tocstyle=section,%
22879 tocindent=7.0em,%
22880 tocnumwidth=4.1em%
22881 ]{subsubsection}
22882 \DeclareSectionCommand[%
22883 style=section,%
22884 level=4,%
22885 indent=\z@,%
22886 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
22887 afterskip=-1em,%
22888 tocindentfollows=subsubsection,%
22889 tocstyle=section,%
22890 tocindent=10em,%
22891 tocnumwidth=5em%
22892 ]{paragraph}
22893 \DeclareSectionCommand[%
22894 style=section,%
22895 level=5,%
22896 indent=\scr@parindent,%
22897 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
22898 afterskip=-1em,%
22899 tocstyle=section,%
22900 tocindent=12em,%
22901 tocnumwidth=6em%
22902 ]{subparagraph}

```



143 File `scrreprt-xetex-bidi.def`

```

22903 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
22904 \newcommand{\scr@saved@LTRfootnotetext}{}
22905 \newcommand{\scr@saved@RTLfootnotetext}{}
22906 \let\scr@saved@footnotetext\@footnotetext
22907 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22908 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22909 \renewcommand{\@footnotetext}[1]{%
22910   \scr@saved@footnotetext{#1}%
22911   \csname FN@mfb@prepare\endcsname
22912 }
22913 \renewcommand{\@LTRfootnotetext}[1]{%
22914   \scr@saved@LTRfootnotetext{#1}%
22915   \csname FN@mfb@prepare\endcsname
22916 }
22917 \renewcommand{\@RTLfootnotetext}[1]{%
22918   \scr@saved@RTLfootnotetext{#1}%
22919   \csname FN@mfb@prepare\endcsname
22920 }
22921 \renewcommand\deffootnote[4][]{%
22922   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22923     \long\def\@makefntext##1{%
22924       \ExecuteDoHook{footnote/text/begin}%
22925       \raggedfootnote
22926       \if@RTL
22927         \rightskip
22928       \else
22929         \leftskip
22930       \fi
22931       #2
22932       \l@addto@macro\@trivlist{%
22933         \ifnum\@listdepth=\@ne
22934           \if@RTL
22935             \advance\rightmargin #2\relax
22936           \else
22937             \advance\leftmargin #2\relax
22938           \fi
22939         \fi
22940       }%
22941       \parindent #3\noindent
22942       \IfArgIsEmpty{#1}{-}{%
22943         \hskip \dimexpr #1-#2\relax
22944       }%
22945       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22946       \ExecuteDoHook{footnote/text/end}%
22947     }%
22948   \else
22949     \ClassInfo{\KOMAClassName}{%
22950       Using old \string\@makefntext\space due to compatibility
22951       level\MessageBreak
22952       less than 3.22}%
22953     \long\def\@makefntext##1{%
22954       \setlength{\@tempdimc}{#3}%

```



```

22955 \def\@tempa{#1}\ifx\@tempa\@empty
22956 \setpar{\@par
22957 \@tempdima = \hsize
22958 \addtolength{\@tempdima}{-#2}%
22959 \if@RTL
22960 \parshape \@ne \z@ \@tempdima
22961 \else
22962 \parshape \@ne #2 \@tempdima
22963 \fi
22964 }%
22965 \else
22966 \addtolength{\@tempdimc}{#2}%
22967 \addtolength{\@tempdimc}{-#1}%
22968 \setpar{\@par
22969 \@tempdima = \hsize
22970 \addtolength{\@tempdima}{-#1}%
22971 \@tempdimb = \hsize
22972 \addtolength{\@tempdimb}{-#2}%
22973 \if@RTL
22974 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22975 \else
22976 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22977 \fi
22978 }%
22979 \fi
22980 \par
22981 \parindent\@tempdimc\noindent
22982 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22983 }%
22984 \fi
22985 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
22986 }
22987 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22988 \renewcommand*\left@footnoterule{%
22989 \normalsize\ftn@rule@test@values
22990 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22991 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22992 {\usekomafont{footnoterule}}{%
22993 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22994 \kern 2.6\p@}
22995 \renewcommand*\right@footnoterule{%
22996 \normalsize\ftn@rule@test@values
22997 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22998 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22999 {\usekomafont{footnoterule}}{%
23000 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
23001 \kern 2.6\p@}
23002 \renewcommand*\maketitle[1][1]{%
23003 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23004 \else
23005 \def\and{%
23006 \end{tabular}}%
23007 \hskip 1em \@plus.17fil%
23008 \begin{tabular}[t]{c}%

```



```

23009     }%
23010 \fi
23011 \if@titlepage
23012   \begin{titlepage}
23013     \setcounter{page}{%
23014       #1%
23015     }%
23016     \if@titlepageiscoverpage
23017       \edef\titlepage@restore{%
23018         \noexpand\endgroup
23019         \noexpand\global\noexpand\@colht\the\@colht
23020         \noexpand\global\noexpand\@colroom\the\@colroom
23021         \noexpand\global\vsizethe\vsizethe
23022         \noexpand\global\noexpand\@titlepageiscoverpagefalse
23023         \noexpand\let\noexpand\titlepage@restore\noexpand\relax
23024       }%
23025       \begingroup
23026         \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23027         \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23028         \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23029         \textwidth=\dimexpr
23030         \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23031         \textheight=\dimexpr
23032         \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23033         \headheight=0pt
23034         \headsep=0pt
23035         \footskip=\baselineskip
23036         \@colht=\textheight
23037         \@colroom=\textheight
23038         \vsizethe\vsizethe
23039         \columnwidth=\textwidth
23040         \hsize=\columnwidth
23041         \linewidth=\hsize
23042       \else
23043         \let\titlepage@restore\relax
23044       \fi
23045       \let\footnotesize\small
23046       \let\right@footnoterule\relax
23047       \let\left@footnoterule\relax
23048       \let\textwidth@footnoterule\relax
23049       \let\footnote\thanks
23050       \let\LTRfootnote\LTRthanks
23051       \let\RTLfootnote\RTLthanks
23052       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23053       \let\@oldmakefnmark\@makefnmark
23054       \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
23055       \ifx\extratitle\@empty
23056         \ifx\frontispiece\@empty
23057           \else
23058             \if@twoside\mbox{}\next@tpage\fi
23059             \noindent\@frontispiece\next@tdpage
23060           \fi
23061         \else
23062           \noindent\extratitle

```




```

23063 \ifx\@frontispiece\@empty
23064 \else
23065 \next@tpage
23066 \noindent\@frontispiece
23067 \fi
23068 \next@tdpage
23069 \fi
23070 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
23071 \ifx\@titlehead\@empty \else
23072 \begin{minipage}[t]{\textwidth}%
23073 \usekomafont{titlehead}{\@titlehead\par}%
23074 \end{minipage}\par
23075 \fi
23076 \null\vfill
23077 \begin{center}
23078 \ifx\@subject\@empty \else
23079 {\usekomafont{subject}{\@subject\par}}%
23080 \vskip 3em
23081 \fi
23082 {\usekomafont{title}{\huge \@title\par}}%
23083 \vskip 1em
23084 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23085 \vskip 2em
23086 {%
23087 \usekomafont{author}{%
23088 \lineskip 0.75em
23089 \begin{tabular}[t]{c}
23090 \@author
23091 \end{tabular}\par
23092 }%
23093 }%
23094 \vskip 1.5em
23095 {\usekomafont{date}{\@date \par}}%
23096 \vskip \z@ \@plus3fill
23097 {\usekomafont{publishers}{\@publishers \par}}%
23098 \vskip 3em
23099 \end{center}\par
23100 \@thanks\global\let\@thanks\@empty
23101 \vfill\null
23102 \if@twoside
23103 \@tempswatrue
23104 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23105 \else
23106 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23107 \@tempswafalse
23108 \fi\fi
23109 \fi
23110 \if@tempswa
23111 \next@tpage
23112 \begin{minipage}[t]{\textwidth}
23113 \@uppertitleback
23114 \end{minipage}\par
23115 \vfill
23116 \begin{minipage}[b]{\textwidth}

```



```

23117         \@lowertitleback
23118     \end{minipage}\par
23119     \@thanks\global\let\@thanks\@empty
23120 \fi
23121 \else
23122     \ifx\@uppertitleback\@empty\else
23123         \ClassWarning{\KOMAClassName}{%
23124             non empty \string\uppertitleback\space ignored
23125             by \string\maketitle\MessageBreak
23126             in `twoside=false' mode%
23127         }%
23128     \fi
23129     \ifx\@lowertitleback\@empty\else
23130         \ClassWarning{\KOMAClassName}{%
23131             non empty \string\lowertitleback\space ignored
23132             by \string\maketitle\MessageBreak
23133             in `twoside=false' mode%
23134         }%
23135     \fi
23136 \fi
23137 \ifx\@dedication\@empty
23138 \else
23139     \next@tdpage\null\vfill
23140     {\centering\usekomafont{dedication}{\@dedication \par}}%
23141     \vskip \z@ \@plus3fill
23142     \@thanks\global\let\@thanks\@empty
23143     \cleardoubleemptypage
23144 \fi
23145 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
23146 \end{titlepage}
23147 \else
23148     \par
23149     \@tempcnta=%
23150     #1%
23151     \relax\ifnum\@tempcnta=1\else
23152         \ClassWarning{\KOMAClassName}{%
23153             Optional argument of \string\maketitle\space ignored\MessageBreak
23154             in `titlepage=false' mode%
23155         }%
23156     \fi
23157     \ifx\@uppertitleback\@empty\else
23158         \ClassWarning{\KOMAClassName}{%
23159             non empty \string\uppertitleback\space ignored
23160             by \string\maketitle\MessageBreak
23161             in `titlepage=false' mode%
23162         }%
23163     \fi
23164     \ifx\@lowertitleback\@empty\else
23165         \ClassWarning{\KOMAClassName}{%
23166             non empty \string\lowertitleback\space ignored
23167             by \string\maketitle\MessageBreak
23168             in `titlepage=false' mode%
23169         }%
23170     \fi

```



```

23171 \beginngroup
23172 \let\titlepage@restore\relax
23173 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23174 \let\@oldmakefnmark\@makefnmark
23175 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
23176 \next@tdpage
23177 \if@twocolumn
23178 \ifnum \col@number=\@ne
23179 \ifx\@extratitle\@empty
23180 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23181 \else
23182 \@makeextratitle
23183 \fi
23184 \ifx\@frontispiece\@empty
23185 \ifx\@extratitle\@empty\else\next@tdpage\fi
23186 \else
23187 \next@tpage
23188 \@makefrontispiece
23189 \next@tdpage
23190 \fi
23191 \@maketitle
23192 \else
23193 \ifx\@extratitle\@empty
23194 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23195 \else
23196 \twocolumn[\@makeextratitle]%
23197 \fi
23198 \ifx\@frontispiece\@empty
23199 \ifx\@extratitle\@empty\else\next@tdpage\fi
23200 \else
23201 \next@tpage
23202 \twocolumn[\@makefrontispiece]%
23203 \next@tdpage
23204 \fi
23205 \twocolumn[\@maketitle]%
23206 \fi
23207 \else
23208 \ifx\@extratitle\@empty
23209 \ifx\@frontispiece\@empty\else \mbox{}\fi
23210 \else
23211 \@makeextratitle
23212 \fi
23213 \ifx\@frontispiece\@empty
23214 \ifx\@extratitle\@empty\else\next@tdpage\fi
23215 \else
23216 \next@tpage
23217 \@makefrontispiece
23218 \next@tdpage
23219 \fi
23220 \@maketitle
23221 \fi
23222 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23223 \@thanks\global\let\@thanks\@empty
23224 \endgroup

```



```

23225 \fi
23226 \setcounter{footnote}{0}%
23227 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23228 \let\thanks\relax
23229 \let\LTRthanks\relax
23230 \let\RTLthanks\relax
23231 \let\maketitle\relax
23232 \let\@maketitle\relax
23233 \global\let\@thanks\@empty
23234 \global\let\@author\@empty
23235 \global\let\@date\@empty
23236 \global\let\@title\@empty
23237 \global\let\@subtitle\@empty
23238 \global\let\@extratitle\@empty
23239 \global\let\@frontispiece\@empty
23240 \global\let\@titlehead\@empty
23241 \global\let\@subject\@empty
23242 \global\let\@publishers\@empty
23243 \global\let\@uppertitleback\@empty
23244 \global\let\@lowertitleback\@empty
23245 \global\let\@dedication\@empty
23246 \global\let\author\relax
23247 \global\let\title\relax
23248 \global\let\extratitle\relax
23249 \global\let\titlehead\relax
23250 \global\let\subject\relax
23251 \global\let\publishers\relax
23252 \global\let\uppertitleback\relax
23253 \global\let\lowertitleback\relax
23254 \global\let\dedication\relax
23255 \global\let\date\relax
23256 \fi
23257 \global\let\and\relax
23258 }%
23259 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23260 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23261 \renewcommand*\thesection{%
23262 \thechapter\@SepMark%
23263 \@arabic\c@section
23264 }
23265 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
23266 \renewcommand*{\thesubsubsection}{%
23267 \thesubsection\@SepMark\@arabic\c@subsubsection
23268 }
23269 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23270 \renewcommand*{\thesubparagraph}{%
23271 \theparagraph\@SepMark\@arabic\c@subparagraph
23272 }
23273 \expandafter\ifnum\scr@v@is@le{2.97d}%
23274 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23275 \fi
23276 \expandafter\ifnum\scr@v@is@le{2.97d}%
23277 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23278 \fi

```



```

23279 \renewcommand*\theequation{%
23280   \thechapter\@SepMark%
23281   \@arabic\c@equation
23282 }
23283 \renewenvironment{thebibliography}[1]{%
23284   \if@bib@break@
23285     \bib@beginhook
23286   \else
23287     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
23288       \setchapterpreamble{\bibpreamble}%
23289     \fi\fi
23290     \bib@heading
23291     \bib@beginhook
23292     \bib@before@hook
23293   \fi
23294   \renewcommand{\BreakBibliography}[1]{%
23295     \@bib@break
23296     \end{thebibliography}%
23297     \begingroup ##1\endgroup
23298     \begin{thebibliography}{#1}
23299   }%
23300   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
23301   \bidi@thebibliography@font@hook%
23302   \list{%
23303     \@biblabel{\@arabic\c@enumiv}%
23304   }{%
23305     \settowidth\labelwidth{\@biblabel{#1}}%
23306     \leftmargin\labelwidth
23307     \advance\leftmargin\labelsep
23308     \@openbib@code
23309     \if@bib@break@
23310       \edef\@tempa{%
23311         \noexpand\usecounter{enumiv}%
23312         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23313       }\@tempa
23314       \no@bib@break
23315     \else
23316       \usecounter{enumiv}%
23317     \fi
23318     \let\p@enumiv\@empty
23319     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23320   }%
23321   \sloppy\clubpenalty4000 \widowpenalty4000
23322   \sfcode`\.\=\@m
23323 }{%
23324   \if@bib@break@
23325     \def\@noitemerr{%
23326       \@latex@warning{%
23327         \string\BreakBibliography\space at begin of `thebibliography'
23328         environment\MessageBreak
23329         or following \string\BreakBibliography}%
23330     }%
23331   \else
23332     \def\@noitemerr{%

```



```

23333 \latex@warning{%
23334     Empty `thebibliography' environment or
23335     \string\BreakBibliography\MessageBreak
23336     before end of `thebibliography' environment}%
23337 }%
23338 \fi
23339 \endlist
23340 \if@bib@break@
23341 \else
23342     \bib@after@hook
23343     \let\bib@before@hook\@empty
23344     \let\bib@after@hook\@empty
23345 \fi
23346 \bib@endhook
23347 }
23348 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
23349 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
23350 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
23351 \renewcommand\marginline[1]{%
23352     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
23353 }
23354 \renewcommand{\@@makecaption}[3]{%
23355     \cap@margin
23356     \begingroup
23357     \ifonelinecaptions
23358         \def\stepcounter##1{\advance\value{##1}\@ne}%
23359         \let\refstepcounter\stepcounter
23360         \let\label\@gobble
23361         \let\@footnotetext=\@gobble
23362         \let\@LTRfootnotetext=\@gobble
23363         \let\@RTLfootnotetext=\@gobble
23364         \let\hypertarget\@gobbletwo
23365         \edef\@xnewline{%
23366             \unexpanded{\ClassInfo{\KOMAClassName}{%
23367                 Workaround for not recommended usage of \string\\ or\MessageBreak
23368                 \string\newline in caption text
23369             }}%
23370             \hspace*{\linewidth}\hspace{1sp}%
23371         }%
23372         \unexpanded\expandafter{\@xnewline}%
23373     }%
23374     \edef\@xcentercr{%
23375         \unexpanded{\ClassInfo{\KOMAClassName}{%
23376             Workaround for not recommended usage of \string\\ or\MessageBreak
23377             \string\newline in caption text
23378         }}%
23379         \hspace*{\linewidth}\hspace{1sp}%
23380     }%
23381     \unexpanded\expandafter{\@xcentercr}%
23382 }%
23383 \settowidth{\@tempdima}{\scr@@makesinglelinecaption{#1}{#2}{#3}}%
23384 \ifdim\@tempdima>\cap@width
23385     \aftergroup\scr@makemultilinecaption
23386 \else

```



```

23387         \aftergroup\scr@makesinglelinecaption
23388         \fi
23389     \else
23390         \aftergroup\scr@makemultilinecaption
23391         \fi
23392 \endgroup
23393 {#1}{#2}{#3}%
23394 }
23395 \renewcommand{\scr@makesinglelinecaption}[3]{%
23396     {%
23397         \usefontofkomafont{caption}{%
23398             \hb@xt@\hsize{%
23399                 \cap@left
23400                 \if@RTL
23401                     \beginR
23402                     \fi
23403                 \scr@@makesinglelinecaption{#1}{#2}{#3}%
23404                 \if@RTL
23405                     \endR
23406                 \fi
23407                 \cap@right
23408             }\par\kern\dp\strutbox%
23409             }%
23410         }\kern-\dp\strutbox
23411     }
23412 \renewcommand{\@makecaption}[2]{%
23413     \if@captionabove
23414         \vskip\belowcaptionskip
23415     \else
23416         \vskip\abovecaptionskip
23417     \fi
23418     \@makecaption\@firstofone{#1}{#2}%
23419     \if@captionabove
23420         \vskip\abovecaptionskip
23421     \else
23422         \vskip\belowcaptionskip
23423     \fi
23424 }
23425
23426 \renewcommand{\scr@@makesinglelinecaption}[3]{%
23427     {\usekomafont{caption}{\strut\ignorespaces
23428         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23429         \ignorespaces #3\unskip}}%
23430 }
23431
23432 \renewcommand{\scr@makemultilinecaption}[3]{%
23433     {%
23434         \usefontofkomafont{caption}{%
23435             \hb@xt@\hsize{%
23436                 \cap@left
23437                 \vbox{\hsize\cap@width\linewidth\hsize
23438                     \scr@ifundefinedorrelax{@captive}{%
23439                         \ClassWarning{\KOMAClassName}{%
23440                             `\'string\'caption' outside float.\MessageBreak

```



```

23441      Seems you are using '\string\caption' outside a
23442      float.\MessageBreak
23443      Maybe you are using a package that uses
23444      '\string\@makecaption'\MessageBreak
23445      without setting '\string\@capttype' before.\MessageBreak
23446      Because I cannot detect the caption type, I'm using\MessageBreak
23447      the empty one.%
23448    }%
23449    \let\@capttype\@empty
23450  }{}%
23451  \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
23452    \@nameuse{ragged\@capttype caption}%
23453  }%
23454  \ifdofullc@p
23455    \@hangfrom{%
23456      \strut
23457      \scr@smashdp{%
23458        #1{%
23459          \usekomafont{caption}{%
23460            \usekomafont{captionlabel}{#2\captionformat}%
23461          }%
23462        }%
23463      }%
23464    }%
23465    {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23466  \else
23467    \ifdim\cap@indent<\z@
23468      \strut
23469      #1{%
23470        {\usekomafont{caption}{%
23471          \usekomafont{captionlabel}{#2\captionformat}%
23472        }%
23473      }\par}%
23474      \noindent{{\usekomafont{caption}{%
23475        \hspace*{-\cap@indent}#3\scr@endstrut
23476      }}\par}%
23477    \else
23478      \if@capbreak
23479        \strut
23480        #1{%
23481          {\usekomafont{caption}{%
23482            \usekomafont{captionlabel}{#2\captionformat}%
23483          }%
23484        }\par}%
23485        \noindent\@hangfrom{\hspace*{\cap@indent}}%
23486        {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23487      \else
23488        \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23489        {%
23490          \hspace*{-\cap@indent}%
23491          \scr@smashdp{%
23492            #1{\usekomafont{caption}{%
23493              \usekomafont{captionlabel}{#2\captionformat}%
23494            }%

```




```

23495         }%
23496     }%
23497     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23498     }%
23499     \fi
23500     \fi
23501     \fi
23502     }%
23503     \cap@right
23504 } \par \kern \dp \strutbox
23505 }%
23506 } \kern - \dp \strutbox
23507 }
23508
23509
23510 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23511   \if@komalongtable
23512     \renewcommand{\LT@makecaption}[3]{%
23513       \noalign{%
23514         \if@captionabove
23515           \vskip\belowcaptionskip
23516         \else
23517           \vskip\abovecaptionskip
23518         \fi
23519       }%
23520       \LT@mcol\LT@cols c{%
23521         \hbox to\z@{\hss\parbox[t]{\linewidth{%
23522           \def\@capytype{table}%
23523           \@makecaption{#1}{#2}{#3}%
23524           \endgraf
23525           \if@captionabove
23526             \vskip\abovecaptionskip
23527           \else
23528             \vskip\belowcaptionskip
23529           \fi
23530         }%
23531         \hss
23532       }%
23533     }%
23534   }%
23535   \renewcommand*{\scr@LT@array}{}%
23536   \let\scr@LT@array=\LT@array
23537   \renewcommand*{\LT@array}{%
23538     \let\scr@caption=\LT@caption
23539     \def\captionabove{\noalign{\global\@captionabovetrue}%
23540       \scr@caption}%
23541     \def\captionbelow{\noalign{\global\@captionabovetrue}%
23542       \scr@caption}%
23543     \if@tablecaptionabove
23544       \let\LT@caption=\captionabove
23545     \else
23546       \let\LT@caption=\captionbelow
23547     \fi
23548     \scr@LT@array

```



```

23549 }%
23550 \ClassInfo{\KOMAClassName}{%
23551     longtable captions redefined%
23552 }%
23553 \fi
23554 }
23555
23556 \CloneTOCEntryStyle{tocline}{part}
23557 \TOCEntryStyleStartInitCode{part}{%
23558     \expandafter\renewcommand%
23559     \csname scr@tso@#1@linefill\endcsname{\hfill}%
23560     \expandafter\renewcommand%
23561     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23562     \expandafter\renewcommand%
23563     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23564         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23565     \expandafter\renewcommand\expandafter*%
23566     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23567 }
23568
23569 \CloneTOCEntryStyle{tocline}{chapter}
23570 \TOCEntryStyleStartInitCode{chapter}{%
23571     \expandafter\renewcommand%
23572     \csname scr@tso@#1@linefill\endcsname{%
23573         \if@chapterentrywithdots
23574             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23575         \else
23576             \hfill
23577         \fi
23578     }%
23579     \expandafter\renewcommand%
23580     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23581     \expandafter\renewcommand%
23582     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23583         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23584     \expandafter\renewcommand\expandafter*%
23585     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23586 }
23587
23588 \CloneTOCEntryStyle{tocline}{section}
23589 \TOCEntryStyleStartInitCode{section}{%
23590     \expandafter\renewcommand%
23591     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23592     \expandafter\renewcommand%
23593     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23594         {\normalfont\normalcolor ##1}}%
23595 }
23596
23597 \CloneTOCEntryStyle{section}{default}
23598
23599 \DeclareSectionCommand[%
23600     style=chapter,%
23601     level=\z@,%
23602     pagestyle=plain,%

```



```

23603   tocstyle=chapter,%
23604   tocindent=\z@,%
23605   tocnumwidth=1.5em%
23606 ]{chapter}
23607 \DeclareSectionCommand[%
23608   style=section,%
23609   level=1,%
23610   indent=\z@,%
23611   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
23612   afterskip=2.3ex \@plus .2ex,%
23613   tocstyle=section,%
23614   tocindentfollows=chapter,%
23615   tocindent=1.5em,%
23616   tocnumwidth=2.3em%
23617 ]{section}
23618 \DeclareSectionCommand[%
23619   style=part,%
23620   level=\m@ne,%
23621   pagestyle=plain,%
23622   tocstyle=part,%
23623   toclevel=\m@ne,%
23624   tocindent=\z@,%
23625   tocnumwidth=2em%
23626 ]{part}
23627 \DeclareSectionCommand[%
23628   style=section,%
23629   level=2,%
23630   indent=\z@,%
23631   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
23632   afterskip=1.5ex \@plus .2ex,%
23633   tocstyle=section,%
23634   tocindent=3.8em,%
23635   tocnumwidth=3.2em%
23636 ]{subsection}
23637 \DeclareSectionCommand[%
23638   style=section,%
23639   level=3,%
23640   indent=\z@,%
23641   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
23642   afterskip=1.5ex \@plus .2ex,%
23643   tocstyle=section,%
23644   tocindent=7.0em,%
23645   tocnumwidth=4.1em%
23646 ]{subsubsection}
23647 \DeclareSectionCommand[%
23648   style=section,%
23649   level=4,%
23650   indent=\z@,%
23651   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
23652   afterskip=-1em,%
23653   tocindentfollows=subsubsection,%
23654   tocstyle=section,%
23655   tocindent=10em,%
23656   tocnumwidth=5em%

```



```

23657 ]{paragraph}
23658 \DeclareSectionCommand[%
23659   style=section,%
23660   level=5,%
23661   indent=\scr@parindent,%
23662   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
23663   afterskip=-1em,%
23664   tocstyle=section,%
23665   tocindent=12em,%
23666   tocnumwidth=6em%
23667 ]{subparagraph}

```

144 File `sidecap-xetex-bidi.def`

```

23668 \ProvidesFile{sidecap-xetex-bidi.def}[2025/01/03 v0.2 bidi adaptations for sidecap package f
23669 \RequirePackage{ragged2e}
23670 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
23671   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
23672 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi
23673 \renewcommand*{\SC@justify@caption}{\if@RTL%
23674 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
23675   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
23676
23677 \@ifpackagewith{sidecap}{innercaption}{%
23678 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
23679   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
23680 \renewcommand*{\SC@justify@caption{%
23681   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
23682 \renewcommand*{\SC@FLOAT}[2]{%
23683   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
23684 \renewcommand*{\SC@justify@caption{%
23685   \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
23686 }{}
23687
23688 \@ifpackagewith{sidecap}{rightcaption}{%
23689 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
23690 \def\SC@justify@caption{\RaggedLeft}\else%
23691 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
23692 \def\SC@justify@caption{\RaggedRight}\fi%
23693 }{}
23694
23695 \@ifpackagewith{sidecap}{leftcaption}{%
23696 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
23697 \def\SC@justify@caption{\RaggedRight}\else%
23698 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
23699 \def\SC@justify@caption{\RaggedLeft}\fi%
23700 }{}

```

145 File `soul-xetex-bidi.def`

```

23701 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
23702 \long\def\SOUL@start#1{%
23703   \let\bidi@RTL@everypar\@empty
23704   \let\<\SOUL@lowerthan

```



```

23705 \let\>\empty
23706 \def\soulomit{\noexpand\soulomit}%
23707 \gdef\Soul@eventuallyexhyphen##1{%
23708 \let\Soul@soeventuallyskip\relax
23709 \Soul@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
23710 \@minus\fontdimen4\font
23711 \Soul@ignorespacesfalse
23712 \leavevmode
23713 \Soul@preamble
23714 \Soul@lasttoken={}%
23715 \Soul@word={}%
23716 \Soul@minus\z@
23717 \Soul@comma\z@
23718 \Soul@apo\z@
23719 \Soul@grave\z@
23720 \Soul@do{#1}%
23721 \Soul@postamble
23722 }}
23723 \def\Soul@ulunderline#1{%
23724 \setbox\z@\hbox{#1}%
23725 \dimen@=\wd\z@
23726 \dimen@i=\Soul@uloverlap
23727 \advance\dimen@2\dimen@i
23728 \if@RTL
23729 \unhcopy\z@
23730 \llap{%
23731 \null
23732 \kern-\dimen@i
23733 \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
23734 }%
23735 \else
23736 \rlap{%
23737 \null
23738 \kern-\dimen@i
23739 \Soul@ulcolor{\Soul@ulleaders\hskip\dimen@}%
23740 }%
23741 \unhcopy\z@
23742 \fi
23743 }}
23744 \def\bid@Soul@ulleaders{%
23745 \leaders\hb@xt@0.1pt{\hss\Soul@ulcolor{\vrule\@depth\Soul@uldp\@height\Soul@ulht}\hss}\n
23746 }
23747 \def\Soul@uleveryspace#1{%
23748 \if@RTL
23749 #1%
23750 \bid@Soul@ulleaders
23751 \hskip\spaceskip
23752 \else
23753 \Soul@ulcolor{%
23754 #1%
23755 \Soul@ulleaders
23756 \hskip\spaceskip
23757 }%
23758 \fi

```



```

23759 \null
23760 }

```

146 File stabular-xetex-bidi.def

```

23761 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
23762 \def\@stabular{%
23763   \leavevmode \bgroup \if@RTLtab\beginR \fi
23764   \let\@acol\@tabacol
23765   \let\@classz\@tabclassz
23766   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
23767 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
23768   \egroup \if@RTLtab\endR\fi\egroup}
23769 \expandafter \let \csname endstabular*\endcsname = \endstabular
23770 \def\sarray[#1]#2{%
23771   \bgroup
23772   \setbox\@arstrutbox\hbox{%
23773     \vrule \@height\arraystretch\ht\strutbox
23774     \@depth\arraystretch \dp\strutbox
23775     \@width\z@}%
23776   \mkpream{#2}%
23777   \edef\@preamble{%
23778     \ialign \noexpand\@halignto
23779       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
23780   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23781   \let\@tabularnewline\%
23782   \let\@sharp##%
23783   \set@typeset@protect
23784   \lineskip\z@skip\baselineskip\z@skip
23785   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
23786   \@preamble}

```

147 File subfigure-xetex-bidi.def

```

23787 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
23788 \AtBeginDocument{%
23789   \let\p@subfigure=\thefigure
23790   \let\p@subtable=\thetable%
23791 }

```

148 File tabs-xetex-bidi.def

```

23792 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
23793 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
23794
23795 \expandafter\let\csname endtabular*\endcsname=\endtabular
23796
23797 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
23798   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
23799   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
23800
23801 \def\@array[#1]#2{% remember global variables to allow recursion:
23802   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
23803     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%

```



```

23804 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
23805 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
23806 \else \let\@tarlinesep\tablinesep \fi
23807 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
23808 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
23809 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
23810 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
23811 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
23812 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
23813 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
23814 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
23815 \let\protect\noexpand
23816 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
23817 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
23818 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23819 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
23820 \bgroup \let\par\empty
23821 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
23822 \advance\extrarulesep.5\arrayrulewidth
23823 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
23824 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
23825 \@preamble}

```

149 File tabularx-xetex-bidi.def

```

23826 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
23827 \def\TX@endtabularx{%
23828 \expandafter\expandafter\expandafter
23829 \TX@find@endtabularxa\csname end\TX@\endcsname
23830 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
23831 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
23832 \let\verb\TX@verb
23833 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
23834 \edef\TX@ckpt{\cl@ckpt}%
23835 \let\@elt\relax
23836 \TX@old@table\maxdimen
23837 \TX@col@width\TX@target
23838 \global\TX@cols\@ne
23839 \TX@typeout@
23840 {\spaces Table Width\@spaces Column Width\@spaces X Columns}%
23841 \TX@trial{\def\NC@rewrite@X{%
23842 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
23843 \loop
23844 \TX@arith
23845 \ifTX@
23846 \TX@trial{%
23847 \repeat
23848 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
23849 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
23850 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
23851 \csname tabular*\expandafter\endcsname\expandafter\TX@target
23852 \the\toks@
23853 \csname endtabular*\endcsname}%
23854 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn

```



```

23855 \ifnum0=`{\fi}%
23856 \expandafter\expandafter\expandafter
23857 \TX@find@endtabularxbb
23858 \expandafter\end\expandafter{\TX@}%
23859 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
23860 }
23861
23862 \def\TX@trial#1{%
23863 \setbox\@tempboxa\hbox{%
23864 #1\relax
23865 \let\@footnotetext\TX@trial@ftn
23866 \let\@LTRfootnotetext\TX@trial@ftn
23867 \let\@RTLfootnotetext\TX@trial@ftn
23868 \let\TX@vwarn\@empty
23869 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
23870 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
23871 \def\write{\begingroup
23872 \def\let{\afterassignment\endgroup\toks@}%
23873 \afterassignment\let\count@}%
23874 \hbadness\@M
23875 \hfuzz\maxdimen
23876 \let\hbadness\@tempcnta
23877 \let\hfuzz\@tempdima
23878 \expandafter\tabular\the\toks@
23879 \endtabular}%
23880 \TX@ckpt
23881 \TX@typeout@{\@spaces
23882 \expandafter\TX@align
23883 \the\wd\@tempboxa\space\space\space\space\space\@@
23884 \expandafter\TX@align
23885 \the\TX@col@width\space\space\space\space\space\@@
23886 \@spaces\the\TX@cols}}
23887
23888 \long\def\TX@LTRftntext#1{%
23889 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
23890 [\the\csname c@\@mpfn\endcsname]}%
23891 \global\TX@ftn\expandafter{\@tempa{#1}}}%
23892 \long\def\TX@xLTRftntext[#1]#2{%
23893 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
23894
23895 \long\def\TX@RTLftntext#1{%
23896 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
23897 [\the\csname c@\@mpfn\endcsname]}%
23898 \global\TX@ftn\expandafter{\@tempa{#1}}}%
23899 \long\def\TX@xRTLftntext[#1]#2{%
23900 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

150 File tabulary-xetex-bidi.def

```

23901 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
23902 \def\@testpach{\@chclass
23903 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
23904 \ifnum \@lastchclass=7 5 \else
23905 \ifnum \@lastchclass=8 \tw@ \else

```




```

23906 \ifnum \@lastchclass=9 \thr@@
23907 \else \z@
23908 \ifnum \@lastchclass = 10 \else
23909 \edef\@nextchar{\expandafter\string\@nextchar}%
23910 \@chnum
23911 \if \@nextchar c\z@ \else
23912 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
23913 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
23914 \if \@nextchar C7 \else
23915 \if \@nextchar L8 \else
23916 \if \@nextchar R9 \else
23917 \if \@nextchar J10 \else
23918 \z@ \@chclass
23919 \if\@nextchar |\@ne \else
23920 \if \@nextchar !6 \else
23921 \if \@nextchar @7 \else
23922 \if \@nextchar <8 \else
23923 \if \@nextchar >9 \else
23924 10
23925 \@chnum
23926 \if \@nextchar m\thr@@\else
23927 \if \@nextchar p4 \else
23928 \if \@nextchar b5 \else
23929 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
23930 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-xetex-bidi.def

```

23931 \ProvidesFile{tc-xetex-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver
23932 \def\@cliptoboxdim#1{%
23933 \setbox#1=\hbox{%
23934 \Gin@defaultbp\WIDTH{\wd#1}%
23935 \Gin@defaultbp\DEPTH{\dp#1}%
23936 \@tempdima\ht#1%
23937 \advance\@tempdima\dp#1%
23938 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
23939 \beginL\special{pdf:bcontent }%
23940 \special{%
23941 pdf:literal direct
23942 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
23943 }%
23944 \special{pdf:literal direct W }%
23945 \special{pdf:literal direct n }%
23946 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
23947 \special{pdf:econtent }\endL%
23948 }%
23949 }

```

152 File tcolorbox-xetex-bidi.def

```

23950 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
23951 \let\endtcbox@lrbox=\endminipage
23952 \let\endtcbox@savebox=\endtcbox@lrbox
23953

```



```

23954 \bidi@patchcmd{\tcb@vbox}{%
23955   \let\@footnotetext\@mpfootnotetext%
23956 }{%
23957   \let\@footnotetext\@mpfootnotetext%
23958   \let\@LTRfootnotetext\@mpLTRfootnotetext%
23959   \let\@RTLfootnotetext\@mpRTLfootnotetext%
23960 }{}{}
23961
23962 \bidi@patchcmd{\end tcb@vbox}{%
23963   \footnoterule%
23964 }{%
23965   \bidi@mpfootnoterule%
23966 }{}{}
23967 \bidi@apptocmd\tcb@@icolorbox{%
23968   \@bidi@list@minipage@parboxfalse
23969 }{}{}

```

153 File thmbox-xetex-bidi.def

```

23970 \ProvidesFile{thmbox-xetex-bidi.def}[2025/09/04 v0.1 bidi adaptations for thmbox package for
23971 \renewenvironment{thmbox}[2][]{%
23972   \parskip\z@%
23973   \setkeys{thmbox}{#1}%
23974   \ifx\thmbox@style S\else\ifx\thmbox@style M\else\ifx\thmbox@style L\else%
23975     \PackageWarning{thmbox}{\thmbox@style\ is not a valid style for
23976       \string\thmbox, using M}%
23977     \let\thmbox@style=M%
23978   \fi\fi\fi%
23979   \thmbox@head{#2}\nobreak\relax%
23980   \thmbox@dim=\hsize%
23981   \advance\thmbox@dim-\leftskip%
23982   \advance\thmbox@dim-\rightskip%
23983   \setbox\thmbox@box=\vbox\bgroup%
23984     \if@RTL
23985       \@hboxRconstructtrue
23986     \fi
23987     \hspace=\thmbox@dim%
23988     \advance\hspace -\thmbox@leftmargin%
23989     \advance\hspace -\thmbox@rightmargin%
23990     \textwidth=\hspace%
23991     \linewidth=\hspace%
23992     \vskip\thmbox@vskip%
23993     \begingroup\endgroup%
23994     \vskip\thmbox@vskip%
23995   \egroup%
23996   \thmbox@start%
23997   \ifx\thmbox@style S\else\thmbox@tail\fi%
23998   \@endparenv}

```

154 File titlesec-xetex-bidi.def

```

23999 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package
24000 \renewcommand\filright{%
24001   \gdef\ttl@filleft##1{\hspace##1}%

```



```

24002 \gdef\ttl@filright##1{\hfill}%
24003 \let\\\@centercr
24004 \advance\rightskip\z@ \@plus 1fil
24005 \parfillskip\z@}
24006 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
24007 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24008 \setlength\leftskip{#6}%
24009 \setlength\rightskip{#7}%
24010 \interlinepenalty\@M
24011 \ttl@changecentercr
24012 \ttl@beginlongest
24013 #1{\ifhmode\ttl@hmode@error\fi
24014 \ttl@glcmds
24015 \parindent\z@
24016 \leavevmode
24017 \beginngroup
24018 \ifttl@label
24019 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24020 \ifRTL\advance\rightskip\wd\z@else\advance\leftskip\wd\z@\fi
24021 \llap{\box\z@}%
24022 \fi
24023 #4{#8}%
24024 \kern\z@\strut\@par
24025 \endgroup
24026 \nobreak\ttl@midlongest#5\@par}%
24027 \ttl@endlongest}

```

155 File titletoc-xetex-bidi.def

```

24028 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24029 \renewcommand\filright{%
24030 \gdef\ttl@filleft##1{\hskip##1}%
24031 \gdef\ttl@filright##1{\hfill}%
24032 \let\\\@centercr
24033 \advance\rightskip\z@ \@plus 1fil
24034 \parfillskip\z@}
24035 \renewcommand\contentspush[1]{%
24036 \sbox\z@{#1}%
24037 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
24038 \aftergroup\ttl@b
24039 \leavevmode\llap{\box\z@}}
24040 \def\ttl@outnoblock#1#2#3{%
24041 \beginngroup
24042 \ifnum\ttl@b>\ttl@a
24043 \nobreak
24044 \else\ifnum\ttl@b<\ttl@a
24045 \addpenalty{\@secpenalty}%
24046 \else
24047 \addpenalty{\z@}%
24048 \fi\fi
24049 \ttl@contentsstretch
24050 \nobreak
24051 \ifcase#1\relax\else\interlinepenalty\@M\fi
24052 \parindent\z@}

```



```

24053 \ifx\@nil#2%
24054   \PackageError{titletoc}{Unimplemented}%
24055   {The optional argument is currently mandatory}%
24056 \else
24057   \if@RTL\setlength\rightskip{#2}\else
24058   \setlength\leftskip{#2}\fi%
24059 \fi
24060 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24061 \let\contentsmargin\ttl@margin
24062 \def\ttl@makeline##1{##1}%
24063 #3%
24064 \addtolength{\parfillskip}{-\ttl@corr}%
24065 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
24066 \let\ttl@leaders\leaders}
24067 \renewcommand\ttl@margin[2][\z@]{%
24068   \def\ttl@corr{#1}%
24069   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24070   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24071   \def\@pnumwidth{#2}}
24072 \let\ttl@savel@part\l@part
24073 \def\l@part{\ttl@lselect{part}}
24074
24075 \let\ttl@savel@chapter\l@chapter
24076 \def\l@chapter{\ttl@lselect{chapter}}

```

156 File tocbibind-xetex-bidi.def

```

24077 \ProvidesFile{tocbibind-xetex-bidi.def}[2025/01/03 v0.5 bidi adaptations for tocbibind packa
24078 \IfClassLoadedT{memoir}{\endinput}
24079 \if@dotocbib
24080   \ApplyPatchIfPackageLoadedF{natbib}{% natbib not loaded
24081     \renewcommand{\bibsection}{\tcb@bchapsec}
24082     \renewenvironment{thebibliography}[1]{%
24083       \bibsection
24084       \begin{thebibitemlist}{#1}{\end{thebibitemlist}}}
24085   \renewenvironment{thebibitemlist}[1]{
24086     \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
24087     \bidi@thebibliography@font@hook%
24088     \list{\@biblabel{\@arabic{c@enumiv}}}%
24089       {\settowidth\labelwidth{\@biblabel{#1}}%
24090        \leftmargin\labelwidth
24091        \advance\leftmargin\labelsep
24092        \@openbib@code
24093        \usecounter{enumiv}%
24094        \let\p@enumiv\empty
24095        \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
24096     \sloppy
24097     \clubpenalty4000
24098     \@clubpenalty \clubpenalty
24099     \widowpenalty4000%
24100     \sfcode`\.\@m}
24101   {\def\@noitemerr
24102     {\@latex@warning{Empty `thebibliography' environment}}}%
24103   \endlist}

```



```

24104
24105 \ApplyPatchCodeToPackage{chapterbib}{%
24106   \@ifpackagewith{chapterbib}{sectionbib}%
24107     {\renewcommand{\sectionbib}[2]{}}%
24108   }%
24109 }
24110
24111 \fi
24112 \if@inltxdoc\else
24113   \renewenvironment{theindex}%
24114     {\if@twocolumn
24115       \@restonecolfalse
24116     \else
24117       \@restonecoltrue
24118     \fi
24119     \if@bibchapter
24120       \if@donumindex
24121         \refstepcounter{chapter}
24122         \twocolumn[\vspace*{2\topskip}%
24123           \@makechapterhead{\indexname}]]%
24124         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24125         \chaptermark{\indexname}
24126       \else
24127         \if@dotocind
24128           \twocolumn[\vspace*{2\topskip}%
24129             \@makeschapterhead{\indexname}]]%
24130           \prw@mkboth{\indexname}
24131           \addcontentsline{toc}{chapter}{\indexname}
24132         \else
24133           \twocolumn[\vspace*{2\topskip}%
24134             \@makeschapterhead{\indexname}]]%
24135           \prw@mkboth{\indexname}
24136         \fi
24137       \fi
24138     \else
24139       \if@donumindex
24140         \twocolumn[\vspace*{-1.5\topskip}%
24141           \@nameuse{\@tocextra}{\indexname}]]%
24142         \csname \@tocextra mark\endcsname{\indexname}
24143       \else
24144         \if@dotocind
24145           \twocolumn[\vspace*{-1.5\topskip}%
24146             \toc@headstar{\@tocextra}{\indexname}]]%
24147           \prw@mkboth{\indexname}
24148           \addcontentsline{toc}{\@tocextra}{\indexname}
24149         \else
24150           \twocolumn[\vspace*{-1.5\topskip}%
24151             \toc@headstar{\@tocextra}{\indexname}]]%
24152           \prw@mkboth{\indexname}
24153         \fi
24154       \fi
24155     \fi
24156   \thispagestyle{plain}\parindent\z@
24157   \parskip\z@ \@plus .3\p@\relax

```



```

24158 \let\item\@idxitem}
24159 {\if@restonecol\onecolumn\else\clearpage\fi}
24160 \fi

```

157 File tocloft-xetex-bidi.def

```

24161 \ProvidesFile{tocloft-xetex-bidi.def}[2025/01/03 v0.4 bidi adaptations for tocloft package f
24162 \IfClassLoadedT{memoir}{\endinput}
24163 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24164 \let\cftdot\@SepMark
24165 \if@cfthaspart
24166 \renewcommand*{\l@part}[2]{
24167 \@cftdopartfalse
24168 \ifnum \c@tocdepth >-2\relax
24169 \if@cfthaschapter
24170 \@cftdoparttrue
24171 \fi
24172 \ifnum \c@tocdepth >\m@ne
24173 \if@cfthaschapter\else
24174 \@cftdoparttrue
24175 \fi
24176 \fi
24177 \fi
24178 \if@cftdopart
24179 \if@cfthaschapter
24180 \addpenalty{-\@highpenalty}
24181 \else
24182 \addpenalty\@secpenalty
24183 \fi
24184 \addvspace{\cftbeforepartskip}
24185 \begingroup
24186 {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
24187 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24188 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24189 \parindent \cftpartindent\relax\@afterindenttrue
24190 \interlinepenalty\@M
24191 \leavevmode
24192 \@tempdima \cftpartnumwidth\relax
24193 \let\@cftbsnum \cftpartpresnum
24194 \let\@cftasnum \cftpartaftersnum
24195 \let\@cftasnumb \cftpartaftersnumb
24196 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24197 {\cftpartfont \cftpartpresnum #1}
24198 \cftpartfillnum{#2}}
24199 \nobreak
24200 \if@cfthaschapter
24201 \global\@nobreaktrue
24202 \everypar{\global\@nobreakfalse\everypar{}}
24203 \else
24204 \if@compatibility
24205 \global\@nobreaktrue
24206 \everypar{\global\@nobreakfalse\everypar{}}
24207 \fi
24208 \fi

```



```

24209 \endgroup
24210 \fi}
24211 \fi
24212 \if@cfthaschapter
24213 \renewcommand*{\l@chapter}[2]{
24214 \ifnum \c@tocdepth >\m@ne
24215 \addpenalty{-\@highpenalty}
24216 \vskip \cftbeforechapskip
24217 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24218 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24219 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24220 \parindent \cftchapindent\relax\@afterindenttrue
24221 \interlinepenalty\@M
24222 \leavevmode
24223 \@tempdima \cftchapnumwidth\relax
24224 \let\@cftbsnum \cftchappresnum
24225 \let\@cftasnum \cftchapaftersnum
24226 \let\@cftasnumb \cftchapaftersnumb
24227 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24228 {\cftchapfont #1}\nobreak
24229 \cftchapfillnum{#2}}
24230 \fi}
24231 \fi
24232 \renewcommand*{\l@section}[2]{%
24233 \ifnum \c@tocdepth >\z@
24234 \if@cfthaschapter
24235 \vskip \cftbeforesecskip
24236 \else
24237 \addpenalty\@secpenalty
24238 \addvspace{\cftbeforesecskip}
24239 \fi
24240 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
24241 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24242 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24243 \parindent \cftsecindent\relax\@afterindenttrue
24244 \interlinepenalty\@M
24245 \leavevmode
24246 \@tempdima \cftsecnumwidth\relax
24247 \let\@cftbsnum \cftsecpresnum
24248 \let\@cftasnum \cftsecaftersnum
24249 \let\@cftasnumb \cftsecaftersnumb
24250 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
24251 {\cftsecfont #1}\nobreak
24252 \cftsecfillnum{#2}}
24253 \fi}
24254 \renewcommand*{\l@subsection}[2]{%
24255 \ifnum \c@tocdepth >\@one
24256 \vskip \cftbeforesubsecskip
24257 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
24258 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
24259 \parfillskip -\if@RTL\leftskip\else\righskip\fi
24260 \parindent \cftsubsecindent\relax\@afterindenttrue
24261 \interlinepenalty\@M
24262 \leavevmode

```



```

24263 \@tempdima \cftsubsecnumwidth\relax
24264 \let\@cftbsnum \cftsubsecpresnum
24265 \let\@cftasnum \cftsubsecaftersnum
24266 \let\@cftasnumb \cftsubsecaftersnumb
24267 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24268 {\cftsubsecfont #1}\nobreak
24269 \cftsubsecfillnum{#2}}
24270 \fi}
24271 \renewcommand*{\l@subsubsection}[2]{%
24272 \ifnum \c@tocdepth >\tw@
24273 \vskip \cftbeforesubsubsecskip
24274 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
24275 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24276 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24277 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24278 \interlinepenalty\@M
24279 \leavevmode
24280 \@tempdima \cftsubsubsecnumwidth\relax
24281 \let\@cftbsnum \cftsubsubsecpresnum
24282 \let\@cftasnum \cftsubsubsecaftersnum
24283 \let\@cftasnumb \cftsubsubsecaftersnumb
24284 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24285 {\cftsubsubsecfont #1}\nobreak
24286 \cftsubsubsecfillnum{#2}}
24287 \fi}
24288 \renewcommand*{\l@paragraph}[2]{%
24289 \ifnum \c@tocdepth >3\relax
24290 \vskip \cftbeforeparaskip
24291 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
24292 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24293 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24294 \parindent \cftparaindent\relax\@afterindenttrue
24295 \interlinepenalty\@M
24296 \leavevmode
24297 \@tempdima \cftparanumwidth\relax
24298 \let\@cftbsnum \cftparapresnum
24299 \let\@cftasnum \cftparaaftersnum
24300 \let\@cftasnumb \cftparaaftersnumb
24301 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24302 {\cftparafont #1}\nobreak
24303 \cftparafillnum{#2}}
24304 \fi}
24305 \renewcommand*{\l@subparagraph}[2]{%
24306 \ifnum \c@tocdepth >4\relax
24307 \vskip \cftbeforesubparaskip
24308 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
24309 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24310 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24311 \parindent \cftsubparaindent\relax\@afterindenttrue
24312 \interlinepenalty\@M
24313 \leavevmode
24314 \@tempdima \cftsubparanumwidth\relax
24315 \let\@cftbsnum \cftsubparapresnum
24316 \let\@cftasnum \cftsubparaaftersnum

```




```

24317 \let\@cftasnumb \cftsubparaaftersnumb
24318 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24319 {\cftsubparafont #1}\nobreak
24320 \cftsubparafillnum{#2}}
24321 \fi}
24322 \renewcommand*{\l@figure}[2]{%
24323 \ifnum \c@lofdepth >\z@
24324 \vskip \cftbeforefigskip
24325 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24326 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24327 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24328 \parindent \cftfigindent\relax\@afterindenttrue
24329 \interlinepenalty\@M
24330 \leavevmode
24331 \@tempdima \cftfignumwidth\relax
24332 \let\@cftbsnum \cftfigpresnum
24333 \let\@cftasnum \cftfigaftersnum
24334 \let\@cftasnumb \cftfigaftersnumb
24335 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24336 {\cftfigfont #1}\nobreak
24337 \cftfigfillnum{#2}}
24338 \fi
24339 }
24340 \renewcommand*{\l@table}[2]{%
24341 \ifnum\c@lotdepth >\z@
24342 \vskip \cftbeforetabskip
24343 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
24344 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24345 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24346 \parindent \cfttabindent\relax\@afterindenttrue
24347 \interlinepenalty\@M
24348 \leavevmode
24349 \@tempdima \cfttabnumwidth\relax
24350 \let\@cftbsnum \cfttabpresnum
24351 \let\@cftasnum \cfttabaftersnum
24352 \let\@cftasnumb \cfttabaftersnumb
24353 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24354 {\cfttabfont #1}\nobreak
24355 \cfttabfillnum{#2}}
24356 \fi
24357 }
24358 \renewcommand{\@cftl@subfig}{
24359 \renewcommand*{\l@subfigure}[2]{%
24360 \ifnum \c@lofdepth > \toclevel@subfigure
24361 \vskip \cftbeforesubfigskip
24362 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
24363 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24364 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24365 \parindent \cftsubfigindent\relax\@afterindenttrue
24366 \interlinepenalty\@M
24367 \leavevmode
24368 \@tempdima \cftsubfignumwidth\relax
24369 \let\@cftbsnum \cftsubfigpresnum
24370 \let\@cftasnum \cftsubfigaftersnum

```



```

24371 \let\@cftasnumb \cftsubfigaftersnumb
24372 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24373 {\cftsubfigfont ##1}\nobreak
24374 \cftsubfigfillnum{##2}}
24375 \fi
24376 }
24377 }
24378 \renewcommand{\@cftl@subtab}{
24379 \renewcommand*{\l@subtable}[2]{%
24380 \ifnum \c@lotdepth > \toclevel@subtable
24381 \vskip \cftbeforesubtabskip
24382 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
24383 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24384 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24385 \parindent \cftsubtabindent\relax\@afterindenttrue
24386 \interlinepenalty\@M
24387 \leavevmode
24388 \@tempdima \cftsubtabnumwidth\relax
24389 \let\@cftbsnum \cftsubtabpresnum
24390 \let\@cftasnum \cftsubtabaftersnum
24391 \let\@cftasnumb \cftsubtabaftersnumb
24392 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24393 {\cftsubtabfont ##1}\nobreak
24394 \cftsubtabfillnum{##2}}
24395 \fi
24396 }
24397 }
24398 \renewcommand{\newlistentry}[4][\@empty]{%
24399 \@ifundefined{c@#2}{% check & set the counter
24400 \ifx \@empty#1\relax
24401 \newcounter{#2}
24402 \else
24403 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
24404 {#1 has no counter for use as a `within'}
24405 \newcounter{#2}}%
24406 {\newcounter{#2}[#1]%
24407 \expandafter\edef\csname the#2\endcsname{%
24408 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
24409 \fi
24410 \setcounter{#2}{0}
24411 }
24412 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24413
24414 \@namedef{l@#2}##1##2{%
24415 \ifnum \@nameuse{c@#3depth} > #4\relax
24416 \vskip \@nameuse{cftbefore#2skip}
24417 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24418 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24419 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24420 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24421 \interlinepenalty\@M
24422 \leavevmode
24423 \@tempdima \@nameuse{cft#2numwidth}\relax
24424 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname

```



```

24425 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24426 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24427 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
24428 {\@nameuse{cft#2font}##1}\nobreak
24429 \@nameuse{cft#2fillnum}{##2}}
24430 \fi
24431 } % end of \l@#2
24432
24433 \expandafter\newlength\csname cftbefore#2skip\endcsname
24434 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24435 \expandafter\newlength\csname cft#2indent\endcsname
24436 \expandafter\newlength\csname cft#2numwidth\endcsname
24437 \ifcase #4\relax % 0
24438 \setlength{\@nameuse{cft#2indent}}{0em}
24439 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24440 \or % 1
24441 \setlength{\@nameuse{cft#2indent}}{1.5em}
24442 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24443 \or % 2
24444 \setlength{\@nameuse{cft#2indent}}{3.8em}
24445 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24446 \or % 3
24447 \setlength{\@nameuse{cft#2indent}}{7.0em}
24448 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24449 \else % anything else
24450 \setlength{\@nameuse{cft#2indent}}{10.0em}
24451 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24452 \fi
24453 \@namedef{cft#2font}{\normalfont}
24454 \@namedef{cft#2presnum}{\}
24455 \@namedef{cft#2aftersnum}{\}
24456 \@namedef{cft#2aftersnumb}{\}
24457 \@namedef{cft#2dotsep}{\cftdotsep}
24458 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24459 \@namedef{cft#2pagefont}{\normalfont}
24460 \@namedef{cft#2afterpnum}{\}
24461 \@namedef{toclevel@#2}{#4}
24462 \@namedef{cft#2fillnum}##1{%
24463 {\@nameuse{cft#2leader}}\nobreak
24464 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24465 } % end \newlistentry
24466 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24467 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
24468 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
24469 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
24470 \textit{#1}\protect\par}}}

```

158 File tocbasic-xetex-bidi.def

```

24471 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24472 \bidi@undef\scr@dte@def@l@undottedtocline
24473 \bidi@undef\scr@dte@undottedtocline@init
24474 \DeclareTOCEntryStyle{undottedtocline}[{%
24475 \DefineTOCEntryLengthOption{indent}%

```



```

24476 {scr@tso@}{@indent}{entry indent}%
24477 \DefineTOCEntryLengthOption{numwidth}%
24478 {scr@tso@}{@numwidth}{entry number width}%
24479 \@ifundefined{#1tocdepth}{%
24480 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24481 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24482 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24483 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24484 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24485 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24486 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24487 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24488 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24489 \expandafter\let\csname #1tocdepth\expandafter\endcsname
24490 \csname #1numdepth\endcsname
24491 }%
24492 }%
24493 }%
24494 }%
24495 }%
24496 }%
24497 }%
24498 }%
24499 }%
24500 }{}%
24501 \@ifundefined{scr@tso@#1@indent}{%
24502 \ifundefined{scr@#1@tocindent}{%
24503 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24504 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24505 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24506 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24507 \scr@ifundefinedorrelax{l@chapter}{%
24508 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
24509 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24510 \Ifstr{#1}{subsubsection}{%
24511 \@namedef{scr@tso@#1@indent}{3.8em}%
24512 }{%
24513 \Ifstr{#1}{paragraph}{%
24514 \@namedef{scr@tso@#1@indent}{7em}%
24515 }{%
24516 \Ifstr{#1}{subparagraph}{%
24517 \@namedef{scr@tso@#1@indent}{10em}%
24518 }{%
24519 }%
24520 }%
24521 }%
24522 }%
24523 }%
24524 }{}%
24525 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24526 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24527 \Ifstr{#1}{subsubsection}{%
24528 \@namedef{scr@tso@#1@indent}{7.0em}%
24529 }{}%

```



```

24530         \Ifstr{#1}{paragraph}{%
24531             \@namedef{scr@tso@#1@indent}{10em}%
24532         }{%
24533             \Ifstr{#1}{subparagraph}{%
24534                 \@namedef{scr@tso@#1@indent}{12em}%
24535             }{%
24536                 }%
24537             }%
24538         }%
24539     }%
24540 }%
24541 }%
24542 }%
24543 }%
24544 }%
24545 }%
24546 }{%
24547     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24548 }%
24549 }{%}%
24550 \@ifundefined{scr@tso@#1@numwidth}{%
24551     \@ifundefined{scr@#1@tocnumwidth}{%
24552         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24553             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24554                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24555                     \scr@ifundefinedorrelax{chapter}{%
24556                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24557                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24558                                 \Ifstr{#1}{subsubsection}{%
24559                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
24560                                 }{%
24561                                     \Ifstr{#1}{paragraph}{%
24562                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
24563                                     }{%
24564                                         \Ifstr{#1}{subparagraph}{%
24565                                             \@namedef{scr@tso@#1@numwidth}{5em}%
24566                                         }{%
24567                                             }%
24568                                         }%
24569                                     }%
24570                                 }%
24571                             }%
24572                         }{%
24573                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24574                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24575                                     \Ifstr{#1}{subsubsection}{%
24576                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
24577                                     }{%
24578                                         \Ifstr{#1}{paragraph}{%
24579                                             \@namedef{scr@tso@#1@numwidth}{5em}%
24580                                         }{%
24581                                             \Ifstr{#1}{subparagraph}{%
24582                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
24583                                             }{%

```



```

24584         }%
24585     }%
24586 }%
24587 }%
24588 }%
24589 }%
24590 }%
24591 }%
24592 }%
24593 }{%
24594 \namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24595 }%
24596 }{%}%
24597 }]{%
24598 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24599 \ifnum \@nameuse{#1tocdepth}<\@ne
24600 \scr@ifundefinedorrelax{chapter}{%
24601 \addpenalty\@secpenalty
24602 \addvspace{1.0em \@plus\p@}%
24603 }{%
24604 \addpenalty{-\@highpenalty}%
24605 \vskip 1.0em \@plus\p@
24606 }%
24607 \else
24608 \addpenalty\@secpenalty
24609 \addvspace{1.0em \@plus\p@}%
24610 \fi
24611 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24612 \begingroup
24613 \parindent \z@ \bidi@rightskip \@pnumwidth
24614 \parfillskip -\@pnumwidth
24615 \leavevmode
24616 \bfseries
24617 \advance\bidi@leftskip\@tempdima
24618 \IfTocFeature{\@currentt}{noindent}{%
24619 \hskip -\bidi@leftskip
24620 }{%
24621 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24622 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24623 }%
24624 ##1%
24625 \nobreak
24626 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24627 \par
24628 \penalty\@highpenalty
24629 \endgroup
24630 \fi
24631 }
24632
24633 \bidi@undef\scr@dte@def@l@largetocline
24634 \bidi@undef\scr@dte@largetocline@init
24635 \DeclareTOCEntryStyle{largetocline}[{%
24636 \DefineTOCEntryLengthOption{indent}%
24637 {scr@tso@}{@indent}{entry indent}%

```



```

24638 \@ifundefined{#1tocdepth}{%
24639   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24640     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24641       \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24642         \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24643           \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24644             \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24645               \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24646                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24647                   \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24648                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
24649                     \csname #1numdepth\endcsname
24650                   }%
24651                 }%
24652               }%
24653             }%
24654           }%
24655         }%
24656       }%
24657     }%
24658   }%
24659 }{}%
24660 \@ifundefined{scr@tso@#1@indent}{%
24661   \@ifundefined{scr@#1@tocindent}{%
24662     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24663       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24664         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24665           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24666             \scr@ifundefinedorrelax{1@chapter}{%
24667               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24668                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24669                   \Ifstr{#1}{subsubsection}{%
24670                     \@namedef{scr@tso@#1@indent}{3.8em}%
24671                   }{%
24672                     \Ifstr{#1}{paragraph}{%
24673                       \@namedef{scr@tso@#1@indent}{7em}%
24674                     }{%
24675                       \Ifstr{#1}{subparagraph}{%
24676                         \@namedef{scr@tso@#1@indent}{10em}%
24677                       }{%
24678                         }%
24679                     }%
24680                   }%
24681                 }%
24682             }%
24683           }{%
24684             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24685               \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
24686                 \Ifstr{#1}{subsubsection}{%
24687                   \@namedef{scr@tso@#1@indent}{7.0em}%
24688                 }{%
24689                   \Ifstr{#1}{paragraph}{%
24690                     \@namedef{scr@tso@#1@indent}{10em}%
24691                   }{%

```



```

24692 \Ifstr{#1}{subparagraph}{%
24693 \@namedef{scr@tso@#1@indent}{12em}%
24694 }{%
24695 }%
24696 }%
24697 }%
24698 }%
24699 }%
24700 }%
24701 }%
24702 }%
24703 }%
24704 }%
24705 }{%
24706 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24707 }%
24708 }{%}%
24709 }]{%
24710 \ifnum \c@tocdepth >\numexpr \@nameuse{#1@tocdepth}-\@ne\relax
24711 \ifnum \@nameuse{#1@tocdepth}<\@ne
24712 \scr@ifundefinedorrelax{chapter}{%
24713 \addpenalty\@secpenalty
24714 \addvspace{2.25em \@plus\p@}%
24715 }{%
24716 \addpenalty{-\@highpenalty}%
24717 \addvspace{2.25em \@plus\p@}%
24718 }%
24719 \else
24720 \addpenalty\@secpenalty
24721 \addvspace{2.25em \@plus\p@}%
24722 \fi
24723 \setlength\@tempdima{3em}%
24724 \begingroup
24725 \parindent \z@ \bidi@rightskip \@pnumwidth
24726 \parfillskip -\@pnumwidth
24727 \leavevmode
24728 \large
24729 \bfseries
24730 \Iftocfeature{\@currentx}{noindent}{%
24731 }{%
24732 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
24733 }%
24734 ##1%
24735 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24736 \par
24737 \nobreak
24738 \ifnum 0=
24739 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
24740 \global\@nobreaktrue
24741 \everypar{\global\@nobreakfalse\everypar{}}%
24742 \fi
24743 \endgroup
24744 \fi
24745 }

```




```

24746
24747 \renewcommand*{\scr@dte@tocline}[3]{%
24748   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
24749     \else
24750       \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
24751       \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
24752       \@nameuse{Ifscr@tso@#1@dynindent}{%
24753         \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
24754         \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
24755       \else
24756         \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
24757         \@for \reserved@a:=\reserved@a\do {%
24758           \scr@trim@spaces\reserved@a
24759           \ifx\reserved@a\@empty\else
24760             \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
24761               }{%
24762                 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
24763                 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
24764                 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
24765                   \scr@ifundefinedorrelax
24766                   {scr@dte@\reserved@a @lastmaxnumwidth}{%
24767                     \advance\@tempdima
24768                     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
24769                   }{%
24770                     \advance\@tempdima
24771                     \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
24772                   }%
24773                 }{%
24774                   \advance\@tempdima
24775                   \@nameuse{scr@tso@\reserved@a @numwidth}\relax
24776                 }%
24777                 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
24778                 \expandafter\edef\csname scr@tso@#1@indent\endcsname
24779                 {\the\@tempdima}%
24780               \fi
24781             \fi
24782           }%
24783         \fi
24784       }%
24785     \fi
24786   }{}%
24787   {%
24788     \Iftocfeature{\@currentx}{noindent}{%
24789       \bidi@leftskip \z@
24790     }{%
24791       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
24792     }%
24793     \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
24794     \parfillskip -\bidi@rightskip
24795     \@nameuse{Ifscr@tso@#1@raggedpage}{%
24796       \addtolength{\parfillskip}{\z@ \@plus 1fil}%
24797     }{}%
24798     \Iftocfeature{\@currentx}{noindent}{%
24799       \parindent \z@

```



```

24800 }{%
24801   \parindent \@nameuse{scr@tso@#1@indent}\relax
24802 }%
24803 \@afterindenttrue
24804 \interlinepenalty\@M
24805 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
24806   \addtolength\@bidi@rightskip\@flushglue
24807 \else
24808   \def\reserved@a{\raggedright}%
24809   \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
24810     \addtolength\@bidi@rightskip\@flushglue
24811   \else
24812     \renewcommand\reserved@a{\raggedright}%
24813     \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
24814       \addtolength\@bidi@rightskip\@flushglue
24815     \fi
24816   \fi
24817 \fi
24818 \leavevmode
24819 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
24820 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
24821   \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-%
24822     \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
24823       \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
24824     \fi
24825   }%
24826 }}%
24827 \advance\@bidi@leftskip \@tempdima
24828 \null\nobreak\hskip -\@bidi@leftskip
24829 {%
24830   \usetocbasicnumberline
24831   \let\scr@dte@numberline@box\numberline@box
24832   \def\numberline@box##1{%
24833     \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
24834     \global\scr@dte@tocline@numberwidth
24835     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
24836     \relax
24837     \ifdim \scr@dte@tocline@numberwidth
24838       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
24839     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
24840   \fi
24841   \@nameuse{Ifscr@tso@#1@dynnumwidth}{-%
24842     \ifdim \scr@dte@tocline@numberwidth
24843       >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
24844         +\@nameuse{scr@tso@#1@numsep}\relax\relax
24845     \PackageWarning{tocbasic}{%
24846       number width of #1 toc entries should be
24847       increased!\MessageBreak
24848       Currently used number width =
24849       \the\wd\scr@dte@tocline@numbox,\MessageBreak
24850       Wanted number separation
24851       \space\space\space =
24852       \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
24853       Reserved number width \space\space\space\space\space\space =

```



```

24854         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
24855     }%
24856     \fi
24857 }%
24858 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
24859 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
24860     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
24861 }{}%
24862 }%
24863 {\@nameuse{scr@tso@#1@entryformat}{%
24864     #2%
24865     \nobreak
24866     {%
24867         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
24868         \nobreak
24869         \expandafter\let\expandafter\scr@dte@pagenumberwidth
24870         \csname scr@tso@#1@pagenumberwidth\endcsname
24871         \@nameuse{scr@tso@#1@pagenumberbox}{%
24872             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
24873         }%
24874     }%
24875 }}\@par
24876 }%
24877 }%
24878 \tocbasic@SetPenaltyByTOCLevel{#1}%
24879 \fi
24880 }
24881
24882
24883 \bidi@undef\scr@dte@def@l@tocline
24884 \bidi@undef\scr@dte@tocline@init
24885 \DeclareTOCEntryStyle{tocline}[{%
24886     \DefineTOCEntryLengthOption{beforeskip}%
24887     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
24888     \DefineTOCEntryIfOption{breakafternumber}%
24889     {scr@tso@}{@breakafternumber}{line break after number flag}%
24890     \DefineTOCEntryIfOption{dynnumwidth}%
24891     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
24892     \DefineTOCEntryListOption{indentfollows}%
24893     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
24894     \DefineTOCEntryIfOption{dynindent}%
24895     {scr@tso@}{@dynindent}{dynamic indent width flag}%
24896     \DefineTOCEntryCommandOption{entryformat}%
24897     {scr@tso@}{@entryformat}[1]{entry format}%
24898     \DefineTOCEntryCommandOption{entrynumberformat}%
24899     {scr@tso@}{@numberformat}[1]{entry number format}%
24900     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
24901     {scr@tso@}{@linefill}{filling between text and page number}%
24902     \DefineTOCEntryLengthOption{numsep}%
24903     {scr@tso@}{@numsep}{entry number separation}%
24904     \DefineTOCEntryCommandOption{onstarthigherlevel}%
24905     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
24906     \DefineTOCEntryCommandOption{onstartlowerlevel}%
24907     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%

```



```

24908 \DefineTOCEntryCommandOption{onstartsamelevel}%
24909 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
24910 \DefineTOCEntryCommandOption{pagenumberbox}%
24911 {scr@tso@}{@pagenumberbox}[1]{page number box}%
24912 \DefineTOCEntryCommandOption{pagenumberformat}%
24913 {scr@tso@}{@pagenumberformat}[1]{page number format}%
24914 \DefineTOCEntryLengthOption{pagenumberwidth}%
24915 {scr@tso@}{@pagenumberwidth}{width of page number box}%
24916 \DefineTOCEntryLengthOption{rightindent}%
24917 {scr@tso@}{@rightindent}{entry's text right indent}%
24918 \DefineTOCEntryOption{raggedentrytext}[true]{%
24919 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
24920 \ifx\FamilyKeyState\FamilyKeyStateProcessed
24921 \if@tempswa
24922 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
24923 \raggedright
24924 \else
24925 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
24926 \relax
24927 \fi
24928 \fi
24929 }%
24930 \DefineTOCEntryIfOption{raggedpagenumber}%
24931 {scr@tso@}{@raggedpage}{page number ragged flag}%
24932 \DefineTOCEntryLengthOption{indent}%
24933 {scr@tso@}{@indent}{entry indent}%
24934 \DefineTOCEntryLengthOption{numwidth}%
24935 {scr@tso@}{@numwidth}{entry number width}%
24936 \scr@ifundefinedorrelax{#1tocdepth}{%
24937 \Ifstrstart{#1}{sub}{%
24938 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
24939 \expandafter\edef\csname #1tocdepth\endcsname{%
24940 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
24941 }%
24942 }%
24943 }{}%
24944 }{}%
24945 \@ifundefined{#1tocdepth}{%
24946 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24947 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24948 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24949 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24950 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24951 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24952 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24953 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24954 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24955 \expandafter\let\csname #1tocdepth\expandafter\endcsname
24956 \csname #1numdepth\endcsname
24957 }%
24958 }%
24959 }%
24960 }%
24961 }%

```



```

24962         }%
24963     }%
24964 }%
24965 }%
24966 }{}%
24967 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
24968     \@ifundefined{scr@#1@tocindent}{%
24969         \Ifstrstart{#1}{sub}{%
24970             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
24971                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
24972                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
24973                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
24974                 \relax
24975             }%
24976         }%
24977     }{%
24978         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
24979             \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
24980                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
24981             \relax
24982         }%
24983     }{%
24984         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
24985             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
24986             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
24987         \relax
24988     }%
24989 }%
24990 }%
24991 }{}%
24992 }{%
24993     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24994 }%
24995 }{}%
24996 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
24997     \Ifstrstart{#1}{sub}{%
24998         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
24999             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
25000         }{%
25001             \expandafter\let
25002             \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
25003             \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25004         }%
25005     }{%
25006         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
25007 }%
25008 }{}%
25009 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25010     \Ifstrstart{#1}{sub}{%
25011         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
25012             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}}%
25013         }{%
25014             \expandafter\let
25015             \csname scr@tso@#1@rightindent\expandafter\endcsname

```



```

25016         \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25017     }%
25018 }{%
25019     \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25020 }%
25021 }{%}%
25022 \@ifundefined{scr@tso@#1@indent}{%
25023     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25024     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25025     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25026     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25027     \scr@ifundefinedorrelax{1@chapter}{%
25028     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
25029     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25030     \Ifstr{#1}{subsubsection}{%
25031     \@namedef{scr@tso@#1@indent}{3.8em}%
25032     }{%
25033     \Ifstr{#1}{paragraph}{%
25034     \@namedef{scr@tso@#1@indent}{7em}%
25035     }{%
25036     \Ifstr{#1}{subparagraph}{%
25037     \@namedef{scr@tso@#1@indent}{10em}%
25038     }{%
25039     }%
25040     }%
25041     }%
25042     }%
25043     }%
25044     }{%
25045     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25046     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25047     \Ifstr{#1}{subsubsection}{%
25048     \@namedef{scr@tso@#1@indent}{7.0em}%
25049     }{%
25050     \Ifstr{#1}{paragraph}{%
25051     \@namedef{scr@tso@#1@indent}{10em}%
25052     }{%
25053     \Ifstr{#1}{subparagraph}{%
25054     \@namedef{scr@tso@#1@indent}{12em}%
25055     }{%
25056     }%
25057     }%
25058     }%
25059     }%
25060     }%
25061     }%
25062     }%
25063     }%
25064     }%
25065     }%
25066     }{%}%
25067     \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25068     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25069     \Ifstrstart{#1}{sub}{%

```



```

25070 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
25071 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25072 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25073 +.9em%
25074 \relax
25075 }%
25076 }%
25077 }{}%
25078 }{%
25079 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25080 }%
25081 }{}%
25082 \@ifundefined{scr@tso@#1@numwidth}{%
25083 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25084 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25085 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25086 \scr@ifundefinedorrelax{chapter}{%
25087 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25088 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25089 \Ifstr{#1}{subsubsection}{%
25090 \@namedef{scr@tso@#1@numwidth}{3.2em}%
25091 }{%
25092 \Ifstr{#1}{paragraph}{%
25093 \@namedef{scr@tso@#1@numwidth}{4.1em}%
25094 }{%
25095 \Ifstr{#1}{subparagraph}{%
25096 \@namedef{scr@tso@#1@numwidth}{5em}%
25097 }{%
25098 }%
25099 }%
25100 }%
25101 }%
25102 }%
25103 }{%
25104 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25105 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25106 \Ifstr{#1}{subsubsection}{%
25107 \@namedef{scr@tso@#1@numwidth}{3.1em}%
25108 }{%
25109 \Ifstr{#1}{paragraph}{%
25110 \@namedef{scr@tso@#1@numwidth}{5em}%
25111 }{%
25112 \Ifstr{#1}{subparagraph}{%
25113 \@namedef{scr@tso@#1@numwidth}{6em}%
25114 }{%
25115 }%
25116 }%
25117 }%
25118 }%
25119 }%
25120 }%
25121 }%
25122 }%
25123 }%

```



```

25124 }{}%
25125 \expandafter\renewcommand%
25126 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25127 \expandafter\renewcommand%
25128 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25129 \expandafter\renewcommand%
25130 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25131 \@ifundefined{scr@tso@#1@beforeskip}{%
25132   \Ifstr{#1}{part}{%
25133     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
25134   }{%
25135     \Ifstr{#1}{chapter}{%
25136       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25137     }{%
25138       \Ifstr{#1}{section}{%
25139         \scr@ifundefinedorrelax{l@chapter}{%
25140           \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25141         }{}%
25142       }{}%
25143     }%
25144   }%
25145   \expandafter\renewcommand\expandafter*%
25146   \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25147 }{}%
25148 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25149   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25150   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25151 }{}%
25152 \renewcommand*{\scr@dte@donumwidth}{}%
25153 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25154 \expandafter\renewcommand\expandafter*%
25155 \csname scr@tso@#1@numsep\endcsname{.4em}%
25156 \expandafter\renewcommand%
25157 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25158 \Ifstr{#1}{part}{%
25159   \expandafter\providecommand%
25160   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
25161 }{%
25162   \Ifstr{#1}{chapter}{%
25163     \expandafter\providecommand%
25164     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25165   }{%
25166     \scr@ifundefinedorrelax{l@chapter}{%
25167       \Ifstr{#1}{section}{%
25168         \expandafter\providecommand%
25169         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25170       }{}%
25171     }{}%
25172     \expandafter\providecommand%
25173     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25174   }%
25175 }%
25176 \expandafter\renewcommand
25177 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%

```




```

25178 \@ifundefined{scr@tso@#1@linefill}{%
25179   \Ifstr{#1}{part}{%
25180     \@namedef{scr@tso@#1@linefill}{\hfill}%
25181   }{%
25182     \Ifstr{#1}{chapter}{%
25183       \@namedef{scr@tso@#1@linefill}{\hfill}%
25184     }{%
25185       \scr@ifundefinedorrelax{1@chapter}{%
25186         \Ifstr{#1}{section}{%
25187           \@namedef{scr@tso@#1@linefill}{\hfill}%
25188         }{}%
25189       }{}%
25190       \expandafter\renewcommand%
25191       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25192     }%
25193   }%
25194 }{}%
25195 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
25196 \Ifstr{#1}{part}{%
25197   \expandafter\providecommand%
25198   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
25199 }{%
25200   \Ifstr{#1}{chapter}{%
25201     \expandafter\providecommand%
25202     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25203   }{%
25204     \scr@ifundefinedorrelax{1@chapter}{%
25205       \Ifstr{#1}{section}{%
25206         \expandafter\providecommand%
25207         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
25208       }{}%
25209     }{}%
25210     \expandafter\providecommand%
25211     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
25212       {\normalfont\normalcolor ##1}}%
25213   }%
25214 }%
25215 \expandafter\renewcommand%
25216 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
25217   \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
25218 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
25219 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
25220 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25221   \Ifstrstart{#1}{sub}{%
25222     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25223       \scr@dte@nosub{#1}%
25224     }%
25225   }{%
25226     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25227   }%
25228 }{}%
25229 }}{%
25230   \scr@dte@tocline{#1}{##1}{##2}%
25231 }

```



```

25232
25233 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25234   \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25235     {\normalfont\normalcolor #1}%
25236   }%
25237 }{}
25238
25239 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25240   \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25241     {\normalfont\normalcolor #1}%
25242   }%
25243 }{}
25244

```

159 File `tocstyle-xetex-bidi.def`

```

25245 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
25246 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25247   \let\numberline\tocstyle@numberline
25248   \ifnum #1>\c@tocdepth \else
25249     \if@tocstyle@penalties
25250       \begingroup
25251         \@tempcnta 20010
25252         \advance \@tempcnta by -#1
25253         \ifnum \@tempcnta>\lastpenalty
25254           \aftergroup\penalty\aftergroup\@lowpenalty
25255         \fi
25256       \endgroup
25257     \fi
25258     \edef\tocstyledepth{#1}%
25259     \tocstyle@activate@features
25260     \ifx\tocstyle@feature@entryvskip\relax
25261       \vskip \z@ \@plus.2\p@
25262     \else
25263       \addvspace{\tocstyle@feature@entryvskip}%
25264     \fi
25265     {%
25266       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
25267       \tocstyle@feature@raggedhook
25268       \@tempdima #3\relax
25269       \@tempdimb #2\relax
25270       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25271       \ifnum #1>\z@\relax
25272         \@tempcnta #1\relax \advance\@tempcnta \m@ne
25273         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25274           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25275             \@tempdimb
25276             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25277             \advance\@tempdimb
25278             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25279           \fi
25280         \fi
25281       \fi
25282       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%

```



```

25283 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25284 \ifdim \@tempdimb>
25285 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25286 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25287 @#1\endcsname{\the\@tempdimb}%
25288 \fi
25289 \else
25290 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25291 @#1\endcsname{\the\@tempdimb}%
25292 \fi
25293 \iftocstyle@autolength
25294 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25295 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25296 \relax
25297 \fi
25298 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25299 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25300 \relax
25301 \fi
25302 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25303 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25304 \else
25305 \@tempdimb #2\relax
25306 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25307 \fi
25308 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25309 \ifdim \@tempdima>
25310 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25311 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25312 @\endcsname{\the\@tempdima}%
25313 \fi
25314 \else
25315 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25316 @\endcsname{\the\@tempdima}%
25317 \fi
25318 \ifcase\tocstyle@indentstyle\relax\else
25319 \@tempdimb \z@
25320 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25321 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25322 \relax
25323 \fi
25324 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25325 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25326 \fi
25327 \advance\parindent \@tempdimb\@afterindenttrue
25328 \advance\if@RTL\righskip\else\leftskip\fi \parindent
25329 \advance\if@RTL\leftskip\else\righskip\fi \@tocrmarg
25330 \parfillskip -\if@RTL\leftskip\else\righskip\fi
25331 \ifx\tocstyle@feature@parfillskip\relax\else
25332 \advance\parfillskip \tocstyle@feature@parfillskip\relax
25333 \fi
25334 \interlinepenalty\@M
25335 \leavevmode
25336 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima

```



```

25337 \null\nobreak
25338 \iftocstyle@indentnotnumbered\else
25339 \hskip -\if@RTL\rightskip\else\leftskip\fi
25340 \fi
25341 \tocstyle@feature@entryhook
25342 {#4}\nobreak
25343 \ifx\tocstyle@feature@leaders\relax
25344 \leaders\hbox{$\m@th
25345 \mkern \dotsep mu\hbox{\tocstyle@feature@dotohook .}%
25346 \mkern \dotsep mu$}\hfill
25347 \else
25348 \tocstyle@feature@leaders
25349 \fi
25350 \nobreak
25351 \ifx\tocstyle@feature@pagenumberbox\relax
25352 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25353 \else
25354 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25355 \fi
25356 \par
25357 }%
25358 \if@tocstyle@penalties
25359 \bgroup
25360 \@tempcnta 20009
25361 \advance\@tempcnta by -#1
25362 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25363 \reserved@a
25364 \fi
25365 \fi}
25366 \renewcommand*{\tocstyle@numberline}[1]{%
25367 \beginngroup
25368 \ifx\tocstyle@feature@spaceafternumber\relax
25369 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
25370 \else
25371 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
25372 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25373 \fi
25374 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25375 \ifdim \@tempdima >
25376 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25377 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25378 @\tocstyledepth\endcsname{\the\@tempdima}%
25379 \fi
25380 \else
25381 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25382 @\tocstyledepth\endcsname{\the\@tempdima}%
25383 \fi
25384 \endgroup
25385 \iftocstyle@indentnotnumbered
25386 \hskip -\if@RTL\rightskip\else\leftskip\fi
25387 \fi
25388 \ifcase \tocstyle@indentstyle
25389 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
25390 \or

```



```

25391 \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}%
25392 \else
25393 \ifx\tocstyle@feature@spaceafternumber\relax
25394 \hbox{\tocstyle@numberline{#1}\enskip}%
25395 \else
25396 \hbox{\tocstyle@numberline{#1}\hskip
25397 \tocstyle@feature@spaceafternumber\relax}%
25398 \fi
25399 \fi
25400 }
25401 \AtBeginDocument{%
25402 \ifcsname l@part\endcsname
25403 \ifcsname l@chapter\endcsname
25404 \setbox\@tempboxa\vbox{\hsize\maxdimen
25405 \l@part{\tocstyle@l@define{part}{-1}}{}}%
25406 \else
25407 \setbox\@tempboxa\vbox{\hsize\maxdimen
25408 \l@part{\tocstyle@l@define{part}{0}}{}}%
25409 \fi
25410 \fi
25411 \ifcsname l@chapter\endcsname
25412 \setbox\@tempboxa\vbox{\hsize\maxdimen
25413 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25414 \fi
25415 \ifcsname l@section\endcsname
25416 \setbox\@tempboxa\vbox{\hsize\maxdimen
25417 \l@section{\tocstyle@l@define{section}{1}}{}}%
25418 \fi
25419 \ifcsname l@subsection\endcsname
25420 \setbox\@tempboxa\vbox{\hsize\maxdimen
25421 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25422 \fi
25423 \ifcsname l@subsubsection\endcsname
25424 \setbox\@tempboxa\vbox{\hsize\maxdimen
25425 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25426 \fi
25427 \ifcsname l@paragraph\endcsname
25428 \setbox\@tempboxa\vbox{\hsize\maxdimen
25429 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25430 \fi
25431 \ifcsname l@subparagraph\endcsname
25432 \setbox\@tempboxa\vbox{\hsize\maxdimen
25433 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25434 \fi
25435 \ifcsname l@table\endcsname
25436 \setbox\@tempboxa\vbox{\hsize\maxdimen
25437 \l@table{\tocstyle@l@define{table}{1}}{}}%
25438 \fi
25439 \ifcsname l@figure\endcsname
25440 \setbox\@tempboxa\vbox{\hsize\maxdimen
25441 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
25442 \fi
25443 \def\@tempa#1#2#3#4#5{%
25444 \ifnum #1>\c@tocdepth \else

```



```

25445 \vskip \z@ \@plus.2\p@
25446 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toc
25447 \parindent #2\relax\@afterindenttrue
25448 \interlinepenalty\@M
25449 \leavevmode
25450 \@tempdima #3\relax
25451 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
25452 {#4}\nobreak
25453 \leaders\hbox{$\m@th
25454 \mkern \dotsep mu\hbox{.}\mkern \dotsep
25455 mu$}\hfill
25456 \nobreak
25457 \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
25458 \par}%
25459 \fi}%
25460 \ifx\@dottedtocline\@tempa\else
25461 \tocstyle\macrochangewarning\@dottedtocline
25462 \fi
25463 \let\tocstyle\@saved@dottedtocline\@dottedtocline
25464 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25465 \ifx\numberline\@tempa\else
25466 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25467 \ifx\numberline\@tempa\else
25468 \tocstyle\macrochangewarning\numberline
25469 \fi
25470 \fi
25471 \let\tocstyle\@saved\@numberline\@numberline
25472 }
25473 \renewcommand*{\tocstyle@l@define}[2]{%
25474 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
25475 \edef\@tempa{%
25476 \noexpand\global\noexpand\let
25477 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25478 \expandafter\noexpand\csname l@#1\endcsname
25479 \noexpand\gdef
25480 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25481 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
25482 \noexpand\g@addto@macro\noexpand\tocstyle\activate@all@l{%
25483 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25484 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25485 }%
25486 }%
25487 \PackageInfo{tocstyle}{prepare \expandafter\string
25488 \csname l@#1\endcsname\space for redefinition}%
25489 \@tempa
25490 }

```

160 File todonotes-xetex-bidi.def

```

25491 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
25492 \newif\if@bidi@todonotes@textdirection@RTL
25493 \newif\if@bidi@todonotes@figposition@right
25494 \newcommand{\@bidi@todonotes@align}{}%
25495 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%

```



```

25496 \newcommand{\@bidi@todonotes@textdirection}{}%
25497 \define@choicekey{todonotes}{textdirection}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,
25498 \ifcase\bidi@todonotes@tempb\relax
25499 \@bidi@todonotes@textdirection@RTLtrue
25500 \let\bidi@todonotes@textdirection\RLE
25501 \or
25502 \@bidi@todonotes@textdirection@RTLfalse
25503 \let\bidi@todonotes@textdirection\LRE
25504 \fi}
25505 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,
25506 \ifcase\bidi@todonotes@tempb\relax
25507 \@bidi@todonotes@figposition@righttrue
25508 \or
25509 \@bidi@todonotes@figposition@rightfalse
25510 \fi}
25511 \if@todonotes@disabled%
25512 \else % \if@todonotes@disabled
25513 \renewcommand{\@todonotes@drawInlineNote}{%
25514 \if@todonotes@dviStyle%
25515 {\par\noindent\begin{tikzpicture}[remember picture]%
25516 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25517 \if@todonotes@authorgiven%
25518 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25519 \else%
25520 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25521 \fi
25522 {\par\noindent\begin{tikzpicture}[remember picture]%
25523 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25524 \else%
25525 {\par\noindent\begin{tikzpicture}[remember picture]%
25526 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25527 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
25528 \if@todonotes@authorgiven%
25529 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
25530 \else%
25531 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25532 \fi};%
25533 \end{tikzpicture}\par}%
25534 \fi}%
25535 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25536 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25537 \node [coordinate] (inText) {};%
25538 \end{tikzpicture}%
25539 \marginpar[{} Draw note in left margin
25540 \@todonotes@drawMarginNote%
25541 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25542 }]{% Draw note in right margin
25543 \@todonotes@drawMarginNote%
25544 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25545 }%
25546 }%
25547 \renewcommand{\@todonotes@drawMarginNote}{%
25548 \if@todonotes@dviStyle%
25549 \begin{tikzpicture}[remember picture]%

```



```

25550      \draw node[notestyle] {};%
25551    \end{tikzpicture}}\%
25552    \begin{minipage}{\@todonotes@textwidth}%
25553      \if@todonotes@authorgiven%
25554        \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25555      \else%
25556        \@todonotes@sizecommand \@todonotes@text%
25557      \fi%
25558    \end{minipage}}\%
25559    \begin{tikzpicture}[remember picture]%
25560      \draw node[notestyle] (inNote) {};%
25561    \end{tikzpicture}%
25562  \else%
25563    \let\originalHbadness\hbadness%
25564    \hbadness 100000%
25565    \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25566      \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25567      \node(X){\vphantom{X}};%
25568      \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
25569      \if@todonotes@authorgiven%
25570        \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
25571        \node(Y)[below=of X]{};%
25572        \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
25573      \else%
25574        \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
25575      \fi%
25576    \end{tikzpicture}%
25577    \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
25578  \fi%
25579  \end{tikzpicture}%
25580  \hbadness \originalHbadness%
25581 \fi}%
25582 \renewcommand{\missingfigure}[2][]{%
25583 \setkeys{todonotes}{#1}%
25584 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25585 \par
25586 \noindent
25587 \begin{tikzpicture}
25588 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25589   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25590 \if@bidi@todonotes@figposition@right%
25591 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25592 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25593   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25594 \if@bidi@todonotes@figposition@right%
25595 \end{scope}
25596 \begin{scope}[xshift=-3.8cm]
25597 \draw (2, -0.3) node[right, text
25598   width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25599 \end{scope}
25600 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25601 \draw (2, -0.3) node[right, text
25602   width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25603 \if@bidi@todonotes@figposition@right%

```




```

25604 \end{scope}
25605 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25606 \fi%
25607 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
25608 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
25609 \if@bidi@todonotes@figposition@right%
25610 \end{scope}
25611 \fi%
25612 \end{tikzpicture}\hfill
25613 }% Ending \missingfigure command
25614 \fi % Ending \@todonotes@ifdisabled
25615 \presetkeys%
25616   {todonotes}%
25617   {align=left,%
25618    textdirection=lefttoright,%
25619    figposition=left}{}%

```

161 File wrapfig-xetex-bidi.def

```

25620 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
25621 \let\WF@everypar\@everypar
25622 \def\WF@putfigmaybe{%
25623 \ifinner
25624   \vskip-\parskip \global\WF@floatfalse
25625   \let\pagetotal\maxdimen % kludge flag for "not top of page"
25626 \else % outer page
25627   \@tempdima\pagedepth % save page depth
25628   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25629   \penalty\interlinepenalty % update pg. parameters
25630   \@tempdima\pagegoal \advance\@tempdima-\pagetotal % room left on page
25631   \ifdim\@tempdima<\z@ % \WF@info{Page overfull already;}%
25632     \global\WF@floatfalse
25633     \ifdim-\@tempdima>\pageshrink \else \pagebreak \fi
25634   \else
25635     \ifdim\WF@size>\@tempdima
25636       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25637       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
25638       \ifdim\pagefillstretch>\z@ \dimen@\@tempdima \fi
25639       \ifdim\pagefillstretch>\z@ \dimen@\@tempdima \fi
25640       \advance\dimen@.5\baselineskip
25641       \ifdim\dimen@>\@tempdima % \WF@info{Page nearly full; can stretch;}%
25642         \global\WF@floatfalse \pagebreak
25643       \fi
25644     \else % \WF@info{Fits in \the\@tempdima;}%
25645       \global\WF@floatfalse
25646     \fi\fi
25647   \vskip\@tempdima\relax % (return erased page depth)
25648 \fi
25649 \noindent
25650 \ifWF@float
25651   \WF@fltmes
25652 \else % putting here;
25653   \WF@info{Put \WF@wfname here;}%
25654   {\ifodd\if@twoside\c@page\else\@one\fi % assign l/r to i/o placement

```



```

25655 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
25656 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25657 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
25658 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25659 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25660 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25661 \xdef\WF@adjlw{\the\@tempdima}%
25662 \ifnum `l=\WF@place % fig on left
25663 \if@RTL%
25664 \kern\@tempdimb \kern\columnsep
25665 \def\@tempa{\hss}% position to left of the gap
25666 \else%
25667 \hss % figure overlaps space to the left
25668 \def\@tempa{\kern\columnsep}% position to left of the gap
25669 \fi%
25670 \else % fig on right
25671 \if@RTL%
25672 \hss
25673 \@tempdima\z@
25674 \def\@tempa{\kern\columnsep}
25675 \else%
25676 \@tempdima\z@ % no left indentation
25677 \kern\@tempdimb \kern\columnsep
25678 \def\@tempa{\hss}% figure overlaps space to the right
25679 \fi%
25680 \fi
25681 \ifdim\@tempdimb<\hsize
25682 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
25683 \xdef\WF@adjtlm{\the\@tempdima}%
25684 \else
25685 \xdef\WF@wrapil{\z@ \the\hsize}%
25686 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
25687 \fi
25688 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
25689 \global\advance\WF@size-\intextsep
25690 \else % \WF@info{Putting \WF@wfname in middle of page}%
25691 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
25692 \fi \dp\WF@box\z@ \box\WF@box \@tempa
25693 }% end \hbox to 0pt
25694 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
25695 \fi}

```

162 File xcolor-xetex-bidi.def

```

25696 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
25697 \long\def\color@b@x#1#2#3%
25698 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
25699 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
25700 \dimen@ht\z@\advance\dimen@\fbboxsepht\z@\dimen@
25701 \dimen@dp\z@\advance\dimen@\fbboxsepdp\z@\dimen@
25702 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
25703 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
25704 \DeclareRobustCommand\color
25705 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}

```



```

25706 \def\@undeclaredcolor[#1]#2%
25707 {\begingroup
25708 \let\@cls\@empty
25709 \XC@getmodclr12{#1}{#2}{}%
25710 {\ifblendcolors
25711 \ifx\colorblend\@empty\else
25712 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
25713 \XC@coremodel\@mod\@clr\xcolor@{}{}\@mod\@clr
25714 \fi
25715 \fi
25716 \ifconvertcolorsU
25717 \edef\@tmp{\XC@tgt@mod{\@mod}}%
25718 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
25719 \fi
25720 \ifmaskcolors
25721 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25722 \let\@mod\XC@mmod
25723 \XC@inflate\@mod\XC@mclr\@clr\@tmp
25724 \expandafter\XC@mul\@tmp,\@clr
25725 \fi
25726 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
25727 \expandafter\endgroup\@tmp}}
25728 \def\@declaredcolor#1%
25729 {\XC@edef\XC@tmp{#1}\XC@tstfalse
25730 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
25731 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
25732 \ifconvertcolorsU\XC@tsttrue\fi
25733 \fi
25734 \ifXC@tst
25735 \expandafter\XC@declaredcolor\else
25736 \expandafter\XC@declaredc@lor\fi}
25737 \def\XC@undeclaredcolor#1#2%
25738 {\@ifundefinedmodel{#1}%
25739 {\c@lor@error{model `#1'}}%
25740 {\@nameuse{color@#1}\current@color{#2}}%
25741 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
25742 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25743 \def\XC@declaredc@lor
25744 {\XC@let\Nc\XC@current@color\string\color@\XC@tmp}%
25745 \edef\current@color{\XC@current@color}%
25746 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
25747 \DeclareRobustCommand\bidicolor
25748 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
25749 \def\@bidiundeclaredcolor[#1]#2%
25750 {\begingroup
25751 \let\@cls\@empty
25752 \XC@getmodclr12{#1}{#2}{}%
25753 {\ifblendcolors
25754 \ifx\colorblend\@empty\else
25755 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
25756 \XC@coremodel\@mod\@clr\xcolor@{}{}\@mod\@clr
25757 \fi
25758 \fi
25759 \ifconvertcolorsU

```



```

25760 \edef\@tmp{\XC@tgt@mod{\@mod}}%
25761 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
25762 \fi
25763 \ifmaskcolors
25764 \convertcolorspec\@mod\@clr\XC@mmod\@clr
25765 \let\@mod\XC@mmod
25766 \XC@inflate\@mod\XC@mclr\@clr\@tmp
25767 \expandafter\XC@mul\@tmp,\@clr
25768 \fi
25769 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
25770 \expandafter\endgroup\@tmp}}
25771 \def\XC@bidiundeclaredcolor#1#2%
25772 {\@ifundefinedmodel{#1}%
25773 {\c@lor@error{model `#1'}}%
25774 {\@nameuse{color@#1}\current@color{#2}%
25775 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
25776 \XC@display}}
25777 \def\@bidideclaredcolor#1%
25778 {\XC@edef\XC@tmp{#1}\XC@tstfalse
25779 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
25780 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
25781 \ifconvertcolorsU\XC@tsttrue\fi
25782 \fi
25783 \ifXC@tst
25784 \expandafter\XC@bidideclaredcolor\else
25785 \expandafter\XC@bidideclaredc@lor\fi}
25786 \def\XC@bidideclaredcolor
25787 {\XC@split\XC@tmp
25788 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
25789 \expandafter\endgroup\@tmp}
25790 \def\XC@bidideclaredc@lor
25791 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
25792 \edef\current@color{\XC@current@color}%
25793 \XC@display}
25794 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
25795 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
25796 \def\color@fb@x#1#2#3#4%
25797 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
25798 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
25799 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

163 File latex-xetex-bidi.def

```

25800 \ProvidesFile{latex-xetex-bidi.def}[2025/01/03 v1.5.2 bidi adaptations for `latex.ltx' for
25801 \newcommand{\TeXXeTOn}{\TeXXeTstate\@ne}
25802 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
25803 \TeXXeTOn
25804 \def\bidi@RTL@everypar{\setbox\z@lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
25805 \let\bidi@o@everypar=\everypar
25806 \newtoks\bidi@n@everypar
25807 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
25808 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
25809 \let\everypar=\bidi@n@everypar
25810 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}

```



```

25811 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
25812 \protected\def\hboxR{\hbox\bgroup
25813   \everyhbox{%
25814     \aftergroup\egroup
25815     \everyhbox{}%
25816     \beginR
25817     \@hboxRconstructtrue
25818     \bgroup
25819     \aftergroup\endR
25820     \aftergroup\egroup
25821   }\hbox}
25822 \protected\def\hboxL{\hbox\bgroup
25823   \everyhbox{%
25824     \aftergroup\egroup
25825     \everyhbox{}%
25826     \beginL
25827     \@hboxRconstructfalse
25828     \bgroup
25829     \aftergroup\endL
25830     \aftergroup\egroup
25831   }\hbox}
25832 \protected\def\vboxR{\vbox\bgroup
25833   \everyvbox{%
25834     \aftergroup\egroup
25835     \everyvbox{}%
25836     \@RTLtrue
25837     \@RTLtabtrue
25838     \bgroup
25839     \aftergroup\egroup
25840   }\vbox}
25841 \protected\def\vboxL{\vbox\bgroup
25842   \everyvbox{%
25843     \aftergroup\egroup
25844     \everyvbox{}%
25845     \@RTLfalse
25846     \@RTLtabfalse
25847     \bgroup
25848     \aftergroup\egroup
25849   }\vbox}
25850 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
25851 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
25852 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
25853 \def\endLTR{\par}
25854 \newenvironment{LTR*}{\LTR
25855   \everypar{%
25856     {\setbox\z@\lastbox
25857       \ifvoid\z@
25858         \kern-\parindent
25859       \fi}%
25860   }%
25861 }{\endLTR\@endpetrue}
25862 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
25863 \def\endRTL{\par}
25864 \newenvironment{RTL*}{\RTL

```



```

25865 \everypar{%
25866     {\setbox\z@\lastbox
25867      \ifvoid\z@
25868       \kern-\parindent
25869     \fi}%
25870 }%
25871 }{\endRTL\@endpetrue}
25872 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\@bidi@beamer@ragged}
25873 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\@bidi@beamer@ragged}
25874 \let\unsetRTL=\setRTL
25875 \let\unsetLTR=\setLTR
25876 \let\LR=\LRE
25877 \let\RL=\RLE
25878 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
25879 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
25880 \let\@ensure@RL=\@ensure@RTL
25881 \let\@ensure@LR=\@ensure@LTR
25882 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
25883 \let\@ensure@maindir=\@ensure@dir
25884 \def\@RTL{RTL}
25885 \def\@LTR{LTR}
25886 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
25887 \def\reset@dir{\ifx\save@@dir\@RTL\setRTL\else\ifx\save@@dir\@LTR\setLTR\else\relax\fi}
25888 \let\@TeX\TeX
25889 \def\TeX{\@ensure@LTR{\@TeX}}
25890 \let\@LaTeX\LaTeX
25891 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
25892 \let\@LaTeXe\LaTeXe
25893 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
25894 \long\def\@bidi@reflect@box#1{%
25895     \leavevmode
25896     \setbox\z@\hbox{#1}%
25897     \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
25898     \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
25899 }
25900 \if@bidi@csundef{XeTeX}{%
25901 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
25902     \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}%
25903 }%
25904 \let\@bidi@orig@XeTeX\XeTeX
25905 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
25906 }
25907 \if@bidi@csundef{XeLaTeX}{%
25908 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
25909     \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}%
25910 }%
25911 \let\@bidi@orig@XeLaTeX\XeLaTeX
25912 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
25913 }
25914 \let\setRL=\setRTL
25915 \let\setLR=\setLTR
25916 \let\unsetRL=\setLTR
25917 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
25918 \ApplyPatchIfPackageLoaded{array}{%

```



```

25919 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
25920 \leavevmode
25921 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
25922 \let\dollarend\endgroup
25923 \@tabarray}
25924 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
25925 }{%
25926 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
25927 \leavevmode \hbox \bgroup
25928 $\left.\let\@acol\@tabacol
25929 \let\@classz\@tabclassz
25930 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
25931
25932 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
25933 \egroup\right\rbrace $\egroup}}
25934 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
25935 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right\}}
25936 \renewenvironment{RTLcases}{%
25937 \bidi@matrix@check\RTLcases\env@RTLcases
25938 }{%
25939 \endbidi@tabular@RTLcases%
25940 }
25941 \def\env@RTLcases{%
25942 \let\@ifnextchar\bidi@new@ifnextchar
25943 \def\arraystretch{1.2}%
25944 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
25945 }
25946 \def\SepMark#1{\gdef\@SepMark{#1}}
25947 \SepMark{.}
25948 \def\@thmcountersep{\@SepMark}
25949 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
25950 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
25951 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
25952 \newcommand*{\bidi@thebibliography@font@hook}{}
25953 \def\list#1#2{%
25954 \ifnum \@listdepth >5\relax
25955 \@toodeep
25956 \else
25957 \global\advance\@listdepth\@ne
25958 \fi
25959 \rightmargin\z@
25960 \listparindent\z@
25961 \itemindent\z@
25962 \csname @list\romannumeral\the\@listdepth\endcsname
25963 \def\@itemlabel{#1}%
25964 \let\makelabel\@mklab
25965 \@nmbrlistfalse
25966 #2\relax
25967 \@trivlist
25968 \parskip\parsep
25969 \parindent\listparindent
25970 \advance\linewidth -\rightmargin
25971 \advance\linewidth -\leftmargin
25972 \if@bidi@list@minipage@parbox

```



```

25973 \if@RTL
25974 \advance\@totalleftmargin \leftmargin
25975 \else
25976 \advance\@totalleftmargin \rightmargin
25977 \fi
25978 \else
25979 \if@hboxRconstruct
25980 \if@bidi@list@minipage@parbox@not@nob
25981 \if@RTL
25982 \advance\@totalleftmargin \rightmargin
25983 \else
25984 \advance\@totalleftmargin \leftmargin
25985 \fi
25986 \else
25987 \if@RTL
25988 \advance\@totalleftmargin \leftmargin
25989 \else
25990 \advance\@totalleftmargin \rightmargin
25991 \fi\fi
25992 \else
25993 \if@RTL
25994 \advance\@totalleftmargin \rightmargin
25995 \else
25996 \advance\@totalleftmargin \leftmargin
25997 \fi\fi\fi
25998 \parshape \@ne \@totalleftmargin \linewidth
25999 \ignorespaces}
26000 \long\def\@iiparbox#1#2[#3]#4#5{%
26001 \leavevmode
26002 \@pboxswfalse
26003 \if@hboxRconstruct
26004 \@bidi@list@minipage@parbox@not@nobtrue
26005 \fi
26006 \if@RTL
26007 \ifx#1t%
26008 \@bidi@list@minipage@parboxtrue
26009 \else
26010 \ifx#1b%
26011 \@bidi@list@minipage@parboxtrue
26012 \fi
26013 \fi
26014 \fi
26015 \setlength\@tempdima{#4}%
26016 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
26017 \ifx\relax#2\else
26018 \setlength\@tempdimb{#2}%
26019 \edef\@parboxto{to\the\@tempdimb}%
26020 \fi
26021 \if#1b\vbox
26022 \else\if #1t\top
26023 \else\ifmmode\center
26024 \else\@pboxswtrue $\center
26025 \fi\fi\fi
26026 \@parboxto{\let\hss\vss\let\unhbox\unvbox

```




```

26027      \csname bm@#3\endcsname}%
26028      \if@pboxsw \m@th$\fi
26029      \@end@tempboxa}
26030 \newenvironment{LTRitems}
26031     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26032      \if@bidi@list@minipage@parbox
26033      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26034      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26035      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26036      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26037      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26038      \ignorespaces}{\vskip\z@}
26039 \newenvironment{RTLitems}
26040     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26041      \if@bidi@list@minipage@parbox
26042      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26043      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26044      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26045      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26046      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26047      \ignorespaces}{\vskip\z@}
26048 \newenvironment{LTRbibitems}
26049     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26050      \if@bidi@list@minipage@parbox
26051      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26052      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26053      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26054      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26055      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26056      \ignorespaces}{\vskip\z@}
26057 \newenvironment{RTLbibitems}
26058     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26059      \if@bidi@list@minipage@parbox
26060      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26061      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26062      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26063      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26064      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26065      \ignorespaces}{\vskip\z@}
26066 \def\raggedright{%
26067   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26068   \leftskip\z@skip
26069   \parindent\z@\parfillskip\z@skip}
26070 \let\@bidi@orig@raggedleft\raggedleft
26071 \let\@bidi@orig@raggedright\raggedright
26072 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRco
26073 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRco
26074 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26075 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26076 \DeclareRobustCommand\centerline[1]{%
26077 \if@RTL\@@line{\hss\beginR#1\endR\hss}
26078 \else\@@line{\hss#1\hss}\fi}
26079 \def\@bidi@orig@leftline#1{%
26080 \if@RTL\@@line{\beginR#1\endR\hss}

```



```

26081 \else\@@line{#1\hss}\fi}
26082 \def\ bidi@orig@rightline#1{%
26083 \if@RTL\@@line{\hss\beginR#1\endR}
26084 \else\@@line{\hss#1}\fi}
26085 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\ bidi@orig@rightline{#1}\else\ bidi@orig@lef
26086 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rig
26087 \DeclareRobustCommand\bidirlap[1]{\hb@xt@{z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
26088 \DeclareRobustCommand\bidillap[1]{\hb@xt@{z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
26089 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
26090 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26091 \def\narrower{%
26092 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
26093 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
26094 \DeclareRobustCommand\underline[1]{%
26095 \relax
26096 \ifmode\@@underline{#1}%
26097 \else
26098 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26099 \else
26100 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26101 \if@compatibility
26102 \let\undertext=\underline
26103 \fi
26104 \def\@tabular{%
26105 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
26106 $\let\@acol\@tabacol
26107 \let\@classz\@tabclassz
26108 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26109 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26110 \egroup $\if@RTLtab\endR\fi\egroup}
26111 \expandafter \let \csname endtabular*\endcsname = \endtabular
26112 \def\@array[#1]#2{%
26113 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26114 \bgroup
26115 \setbox\@arstrutbox\hbox{%
26116 \vrule \@height\arraystretch\ht\strutbox
26117 \@depth\arraystretch \dp\strutbox
26118 \@width{z@}%
26119 \@mkpream{#2}%
26120 \edef\@preamble{%
26121 \ialign \noexpand\@halignto
26122 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
26123 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26124 \let\@tabularnewline\%
26125 \let\par\@empty
26126 \let\@sharp##%
26127 \set@typeset@protect
26128 \lineskip\z@skip\baselineskip\z@skip
26129 \ifhmode \@preamerr\z@ \@@par\fi
26130 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
26131 \@preamble}
26132 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26133 \let\@classiv\@arrayclassiv
26134 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}

```



```

26135 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26136   \ifnum \@lastchclass=3 5 \else
26137   \z@ \if #1c\@chnum \z@ \else
26138           \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26139           \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26140   \@chclass \if #1|\@ne \else
26141           \if #1@\tw@ \else
26142           \if #1p3 \else \z@ \@preamerr 0\fi
26143 \fi \fi \fi \fi \fi \fi
26144 \fi}
26145 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26146 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26147 \def\bm@t{\unhbox\@tempboxa\hss}
26148 \def\bm@b{\hss\unhbox\@tempboxa}
26149 \def\@dottedtocline#1#2#3#4#5{%
26150   \ifnum #1>\c@tocdepth \else
26151     \vskip \z@ \@plus.2\p@
26152     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrm
26153     \parindent #2\relax\@afterindenttrue
26154     \interlinepenalty\@M
26155     \leavevmode
26156     \@tempdima #3\relax
26157     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
26158     {#4}\nobreak
26159     \leaders\hbox{$\m@th
26160       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
26161       mu$}\hfill
26162     \nobreak
26163     \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}%
26164     \par}%
26165 \fi}
26166
26167 \newcount\@bidi@column@check@number
26168
26169 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
26170
26171 \def\@bidi@set@column@status#1#2{%
26172   \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
26173
26174 \if@twocolumn
26175 \newcommand\DetectColumn[3][1]{%
26176   \ifx\@bidi@firstcolumn@status@write\relax
26177     \PackageError{bidi}%
26178       {Option 'DetectColumn' not selected}%
26179       {\string\DetectColumn\space
26180        requires the use of the 'DetectColumn'
26181        option on the package}%
26182   \fi
26183   \global\advance\@bidi@column@check@number\@ne
26184   \edef\@bidi@column@typef{\expandafter\ifx
26185     \csname bidi@column-\the\@bidi@column@check@number\endcsname\relax
26186     0\else
26187     \csname bidi@column-\the\@bidi@column@check@number\endcsname
26188     \fi}%

```



```

26189 \ifcase \bidi@column@type\relax
26190     \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
26191     \or
26192         #2% % 1 First column
26193     \or
26194         #3% % 2 Second (Last column)
26195     \else
26196         \ERROR
26197     \fi
26198     \edef\next{\write\@auxout
26199         {\string\bidi@set@column@status{\bidi@column-\the\bidi@column@check@number}}%
26200         {\bidi@column@type}}}%
26201     \next
26202 }
26203
26204 \AtEndDocument{\def\bidi@set@column@status#1#2{%
26205     \ifnum #2=\bidi@current@column@status\else
26206         \@tempswattrue
26207     \fi}%
26208 }
26209 \fi
26210
26211 \def\RTL@outputdblcol{%
26212     \if@firstcolumn
26213         \global\@firstcolumnfalse
26214         \global\setbox\@leftcolumn\copy\@outputbox
26215         \splitmaxdepth\maxdimen
26216         \vbadness\maxdimen
26217         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26218         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26219         \toks@\expandafter{\topmark}%
26220         \xdef\@firstcoltopmark{\the\toks@}%
26221         \toks@\expandafter{\splitfirstmark}%
26222         \xdef\@firstcolfirstmark{\the\toks@}%
26223         \ifx\@firstcolfirstmark\@empty
26224             \global\let\@setmarks\relax
26225         \else
26226             \gdef\@setmarks{%
26227                 \let\firstmark\@firstcolfirstmark
26228                 \let\topmark\@firstcoltopmark}%
26229         \fi
26230     \else
26231         \global\@firstcolumntrue
26232         \setbox\@outputbox\vbox{%
26233             \hb@xt@\textwidth{%
26234                 \hskip \columnwidth
26235                 \hfil
26236                 {\normalcolor\vrule \@width\columnseprule}%
26237                 \hfil
26238                 \hb@xt@\columnwidth{%
26239                     \bidi@firstcolumn@status@write%
26240                     \box\@leftcolumn \hss}%
26241                 \hskip -\textwidth
26242                 \hb@xt@\columnwidth{%

```



```

26243      \bidi@lastcolumn@status@write%
26244      \box\@outputbox \hss}%
26245      \hskip \columnsep
26246      \hskip \columnwidth }}%
26247 \@combinedblfloats
26248 \setmarks
26249 \outputpage
26250 \begingroup
26251 \dblfloatplacement
26252 \startdblcolumn
26253 \@whiles\if@fcolmade \fi{\@outputpage
26254 \startdblcolumn}%
26255 \endgroup
26256 \fi}%
26257
26258 \def\LTR@outputdblcol{%
26259 \if@firstcolumn
26260 \global\@firstcolumnfalse
26261 \global\setbox\@leftcolumn\copy\@outputbox
26262 \splitmaxdepth\maxdimen
26263 \vbadness\maxdimen
26264 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26265 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26266 \toks@\expandafter{\topmark}%
26267 \xdef\@firstcoltopmark{\the\toks@}%
26268 \toks@\expandafter{\splitfirstmark}%
26269 \xdef\@firstcolfirstmark{\the\toks@}%
26270 \ifx\@firstcolfirstmark\@empty
26271 \global\let\setmarks\relax
26272 \else
26273 \gdef\setmarks{%
26274 \let\firstmark\@firstcolfirstmark
26275 \let\topmark\@firstcoltopmark}%
26276 \fi
26277 \else
26278 \global\@firstcolumntrue
26279 \setbox\@outputbox\vbox{%
26280 \hb@xt@\textwidth{%
26281 \hb@xt@\columnwidth{%
26282 \bidi@firstcolumn@status@write%
26283 \box\@leftcolumn \hss}%
26284 \hfil
26285 {\normalcolor\vrule \@width\columnseprule}%
26286 \hfil
26287 \hb@xt@\columnwidth{%
26288 \bidi@lastcolumn@status@write%
26289 \box\@outputbox \hss}}}%
26290 \@combinedblfloats
26291 \setmarks
26292 \outputpage
26293 \begingroup
26294 \dblfloatplacement
26295 \startdblcolumn
26296 \@whiles\if@fcolmade \fi{\@outputpage

```



```

26297     \@startdblcolumn}%
26298     \endgroup
26299 \fi}%
26300
26301
26302 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26303 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26304 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26305
26306 \bidi@patchcmd\@makecol{%
26307     \ifvoid\footins
26308         \setbox\@outputbox \box\@cclv
26309     \else
26310         \setbox\@outputbox \vbox {%
26311             \boxmaxdepth \@maxdepth
26312             \unvbox \@cclv
26313             \vskip \skip\footins
26314             \color@begingroup
26315                 \normalcolor
26316                 \footnoterule
26317                 \unvbox \footins
26318             \color@endgroup
26319         }%
26320     \fi
26321 }{%
26322     \ifvoid\footins
26323         \ifvoid\@bidi@copyins@
26324             \setbox\@outputbox \box\@cclv
26325         \else
26326             \setbox\@outputbox \vbox {%
26327                 \boxmaxdepth \@maxdepth
26328                 \unvbox \@cclv
26329                 \vskip \skip\@bidi@copyins@
26330                 \color@begingroup
26331                     \normalcolor
26332                     \unvbox \@bidi@copyins@
26333                 \color@endgroup
26334             }%
26335         \fi
26336     \else
26337         \setbox\@outputbox \vbox {%
26338             \boxmaxdepth \@maxdepth
26339             \unvbox \@cclv
26340             \vskip \skip\footins
26341             \color@begingroup
26342                 \normalcolor
26343                 \footnoterule
26344                 \unvbox \footins
26345             \color@endgroup
26346             \ifvoid\@bidi@copyins@
26347                 \else
26348                     \vskip \skip\@bidi@copyins@
26349                     \color@begingroup
26350                     \normalcolor

```



```

26351         \unvbox \@bidi@copyins@
26352         \color@endgroup
26353     \fi
26354 }%
26355 \fi
26356 }{}{}
26357
26358 \def\LTRmarginpar{%
26359     \ifhmode
26360         \@bsphack
26361         \@floatpenalty -\@Mii
26362     \else
26363         \@floatpenalty -\@Miii
26364     \fi
26365     \ifinner
26366         \@parmoderr
26367         \@floatpenalty\z@
26368     \else
26369         \@next\@currbox\@freelist{}{}%
26370         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26371         {\@floatpenalty\z@
26372         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
26373     \fi
26374     \ifnextchar [\@LTRxmpar\@LTRympar}
26375 \long\def\@LTRxmpar[#1]#2{%
26376     \@LTRsavemarbox\@marbox{#1}%
26377     \@LTRsavemarbox\@currbox{#2}%
26378     \@xympar}
26379 \long\def\@LTRympar#1{%
26380     \@LTRsavemarbox\@marbox{#1}%
26381     \global\setbox\@currbox\copy\@marbox
26382     \@xympar}
26383 \long\def \@LTRsavemarbox #1#2{%
26384     \global\setbox #1%
26385         \color@vbox
26386         \vtop{%
26387             \hsize\marginparwidth
26388             \@parboxrestore
26389             \@LTRmarginparreset
26390             #2%
26391             \@minipagefalse
26392             \outer@nobreak
26393         }%
26394     \color@endbox
26395 }
26396 \def \@LTRmarginparreset {%
26397     \reset@font
26398     \normalsize
26399     \@minipagetrue
26400     \everypar{\@minipagefalse\everypar{}\beginL}%
26401 }
26402 \def\RTLmarginpar{%
26403     \ifhmode
26404         \@bsphack

```



```

26405 \floatpenalty -\@Mii
26406 \else
26407 \floatpenalty-\@Miii
26408 \fi
26409 \ifinner
26410 \@parmoderr
26411 \floatpenalty\z@
26412 \else
26413 \@next\@currbox\@freelist{}\{}%
26414 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26415 {\floatpenalty\z@
26416 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26417 \fi
26418 \ifnextchar [\@RTLxmpar\@RTLympar}
26419 \long\def\@RTLxmpar[#1]#2{%
26420 \@RTLSavemarbox\@marbox{#1}%
26421 \@RTLSavemarbox\@currbox{#2}%
26422 \@xympar}
26423 \long\def\@RTLympar#1{%
26424 \@RTLSavemarbox\@marbox{#1}%
26425 \global\setbox\@currbox\copy\@marbox
26426 \@xympar}
26427 \long\def \@RTLSavemarbox #1#2{%
26428 \global\setbox #1%
26429 \color@vbox
26430 \vtop{%
26431 \hsize\marginparwidth
26432 \@parboxrestore
26433 \@RTLmarginparreset
26434 #2%
26435 \@minipagefalse
26436 \outer@nobreak
26437 }%
26438 \color@endbox
26439 }
26440 \def \@RTLmarginparreset {%
26441 \reset@font
26442 \normalsize
26443 \@minipagetrue
26444 \everypar{\@minipagefalse\everypar{}\beginR}%
26445 }
26446 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26447 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26448 \if@twocolumn
26449 \if@firstcolumn \@tempcnta\m@ne \fi
26450 \else
26451 \if@mparswitch
26452 \ifodd\c@page \else\@tempcnta\m@ne \fi
26453 \fi
26454 \if@reversemargin \@tempcnta -\@tempcnta \fi
26455 \fi
26456 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26457 \@tempdima\@mparbottom
26458 \advance\@tempdima -\@pageht

```




```

26459 \advance\@tempdima\ht\@marbox
26460 \ifdim\@tempdima >\z@
26461 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
26462 \else
26463 \@tempdima\z@
26464 \fi
26465 \global\@mparbottom\@pageht
26466 \global\advance\@mparbottom\@tempdima
26467 \global\advance\@mparbottom\dp\@marbox
26468 \global\advance\@mparbottom\marginparpush
26469 \advance\@tempdima -\ht\@marbox
26470 \global\setbox \@marbox
26471 \vbox {\vskip \@tempdima
26472 \box \@marbox}%
26473 \global \ht\@marbox \z@
26474 \global \dp\@marbox \z@
26475 \kern -\@pagedp
26476 \nointerlineskip
26477 \hb@xt@\columnwidth
26478 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
26479 \hskip\columnwidth \hskip\marginparsep
26480 \else
26481 \hskip -\marginparsep \hskip -\marginparwidth
26482 \fi
26483 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26484 \nointerlineskip
26485 \hbox{\vrule \height\z@ \width\z@ \depth\@pagedp}}
26486 \long\def\@ympar#1{%
26487 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
26488 \global\setbox\@currbox\copy\@marbox
26489 \xympar}
26490 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26491 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26492 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26493 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26494 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26495 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26496 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26497 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26498 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
26499 \fi}
26500
26501 \newcommand*{\bidi@font@outputpage}{\}
26502
26503 \def\@outputpage{%
26504 \begingroup % the \endgroup is put in by \aftergroup
26505 \let \protect \noexpand
26506 \resetactivechars
26507 \global\let\@if@newlist\if@newlist
26508 \global\@newlistfalse
26509 \@parboxrestore
26510 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
26511 \bidi@beforeoutputpageshipouthook
26512 \shipout \vbox{%

```



```

26513 \set@typeset@protect
26514 \aftergroup \endgroup
26515 \aftergroup \set@typeset@protect
26516 % correct? or just restore by ending
26517 % the group?
26518 \if@specialpage
26519 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26520 \fi
26521 \if@twoside
26522 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
26523 \ifRTLmain
26524 \let\@themargin\evensidemargin
26525 \else
26526 \let\@themargin\oddsidemargin
26527 \fi
26528 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26529 \ifRTLmain
26530 \let\@themargin\oddsidemargin
26531 \else
26532 \let\@themargin\evensidemargin
26533 \fi
26534 \fi
26535 \ifx\@thehead\@empty \let\@thehead\hfil \fi
26536 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
26537 \else %% not @twoside
26538 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26539 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
26540 \fi
26541 \reset@font
26542 \normalsize
26543 \bidi@font@@outputpage
26544 \normalsfcodes
26545 \let\label\@gobble
26546 \let\index\@gobble
26547 \let\glossary\@gobble
26548 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26549 \@begindvi
26550 \vskip \topmargin
26551 \moveright\@themargin \vbox {%
26552 \global\let\bidi@BeforeHeader\@firstofone
26553 \bidi@beforeheaderhook
26554 \setbox\@tempboxa \vbox to\headheight{%
26555 \vfil
26556 \color@hbox
26557 \normalcolor
26558 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
26559 \color@endbox
26560 }% %% 22 Feb 87
26561 \dp\@tempboxa \z@
26562 \box\@tempboxa
26563 \vskip \headsep
26564 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
26565 \bidi@beforeoutputboxoutputpagehook
26566 \box\@outputbox

```



```

26567 \global\let\bid@AfterOutputBoxOutputPage\@firstofone
26568 \bid@afteroutputboxoutputpagehook
26569 \global\let\bid@BeforeFooter\@firstofone
26570 \bid@beforefooterhook
26571 \baselineskip \footskip
26572 \color@hbox
26573 \normalcolor
26574 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
26575 \color@endbox
26576 \global\let\bid@AfterFooter\@firstofone
26577 \bid@afterfooterhook
26578 }%
26579 }%
26580 \global\let\bid@AfterOutputPageShipOut\@firstofone
26581 \bid@afteroutputpageshipouthook
26582 \global\let\if@newlist\@if@newlist
26583 \global \colht \textheight
26584 \stepcounter{page}%
26585 \let\firstmark\botmark
26586 \global\let\bid@AtEndOutputPage\@firstofone
26587 \bid@atendoutputpagehook
26588 }
26589 \long\def\@makecaption#1#2{%
26590 \vskip\abovecaptionskip
26591 \sbox\@tempboxa{#1: #2}%
26592 \ifdim \wd\@tempboxa >\hsize
26593 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26594 \else
26595 \global \@minipagefalse
26596 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26597 \fi
26598 \vskip\belowcaptionskip}
26599 \let\bid@saved@eqno=\eqno
26600 \let\bid@saved@leqno=\leqno
26601 \def\eqno{\ifnum\predisplaydirection<\z@ \bid@saved@leqno \else \bid@saved@eqno \fi}
26602 \def\leqno{\ifnum\predisplaydirection<\z@ \bid@saved@eqno \else \bid@saved@leqno \fi}
26603 \ApplyPatchIfPackageLoadedF{amsmath}{
26604 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
26605 }
26606 \input{footnote-xetex-bidi.def}
26607 \if@twocolumn
26608 \let\autofooterule\relax
26609 \let\leftfootnoterule\relax
26610 \let\rightfootnoterule\relax
26611 \textwidthfootnoterule
26612 \fi
26613 \if@bid@csundef{\@idxitem}{\fi}%
26614 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
26615 }
26616
26617 \ApplyPatchToClassesIfPackageLoadedF{%
26618 book, %
26619 report %
26620 }{flowfram}

```



```

26621
26622 \ApplyPatchToPackageIfPackageLoadedF{float}{floatrow}
26623
26624 \ApplyPatchToFilesIfPackageLoadedF{amsmath}{%
26625   fleqn, %
26626   leqno%
26627 }[clo]
26628
26629 \ApplyPatchToClasses{%
26630   amsart, %
26631   amsbook, %
26632   article, %
26633   artikel1, %
26634   artikel2, %
26635   artikel3, %
26636   beamer, %
26637   boek, %
26638   boek3, %
26639   bookest, %
26640   combine, %
26641   extbook, %
26642   extletter, %
26643   extarticle, %
26644   extreport, %
26645   imspoc, %
26646   letter, %
26647   memoir, %
26648   rapport1, %
26649   rapport3, %
26650   refrep, %
26651   scrartcl, %
26652   scrbook, %
26653   screprt %
26654 }
26655
26656 \ApplyPatchToPackages{%
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26658   algorithm2e, %
26659   amsmath, %
26660   amstext, %
26661   amsthm, %
26662   arydshln, %
26663   array, %
26664   beamerbaseauxtemplates, %
26665   beamerbaseboxes, %
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26670   beamerbaselocalstructure, %
26671   beamerbasemisc, %
26672   beamerbasenavigation, %
26673   beamerbaseoverlay, %
26674   beamerinnerthemecircles, %

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26675 beamerinnerthemedefault, %
26676 beamerinnerthemefocus, %
26677 beamerinnerthemeinmargin, %
26678 beamerinnerthememetropolis, %
26679 beamerinnerthemerectangles, %
26680 beamerinnerthemrounded, %
26681 beamerouterthemedefault, %
26682 beamerouterthemefocus, %
26683 beamerouterthemeinfolines, %
26684 beamerouterthememetropolis, %
26685 beamerouterthememiniframes, %
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26687 beamerouterthemesplit, %
26688 beamerouterthemeshadow, %
26689 beamerouterthemesmoothbars, %
26690 beamerouterthemesmoothtree, %
26691 beamerouterthemetree, %
26692 beamerthemeHannover, %
26693 beamerthemeSingapore, %
26694 breqn, %
26695 cals, %
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26700 crop, %
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26703 dblfnote, %
26704 diagbox, %
26705 draftwatermark, %
26706 eso-pic, %
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26708 fancybox, %
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26720 hvfloat, %
26721 hyperref, %
26722 lettrine, %
26723 lineno, %
26724 listings, %
26725 longtable, %
26726 lscape, %
26727 mathtools, %
26728 mdframed, %

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26729 media9, %
26730 midfloat, %
26731 minitoc, %
26732 multicol, %
26733 multienum, %
26734 natbib, %
26735 newfloat, %
26736 nicematrix, %
26737 ntheorem, %
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26741 pdfscape, %
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26749 stabular, %
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26755 thmbox, %
26756 titlesec, %
26757 titletoc, %
26758 tocbasic, %
26759 tocbibind, %
26760 tocloft, %
26761 tocstyle, %
26762 todonotes, %
26763 wrapfig, %
26764 xcolor, %
26765 xltextra %
26766 }
26767
26768 \ApplyPatchToFiles{%
26769   pgfcorescopes.code, %
26770   pstricks %
26771 }[tex]
26772
26773 \ApplyPatchToFile{tc-xetex}
26774

```

164 File xltextra-xetex-bidi.def

```

26775 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f
26776 \let\@XeTeX\XeTeX
26777 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
26778 \let\@XeLaTeX\XeLaTeX
26779 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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22865,	22875,	25699,	25700,	☒	
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