



The bidi Package

Source documentation for version 37.6

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/kvafa/bidi/issues>

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

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

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

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

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The *bidi* Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Source documentation for [version 37.6](#)

Vafa Khalighi*

June 7, 2022

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the L^AT_EX team to maintain 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\csname r@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     \@makefnmark%
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 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
88 \bidi@thebibliography@font@hook%
89 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90 \leftmargin\labelwidth \advance\leftmargin\labelsep
91 \usecounter{enumiv}}%
92 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93 \sfcode`\.=\@m
94 }{%
95 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96 \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99 \columnseprule{z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent{z@ \parskip{z@ \@plus.3\p@}\relax
104 \ifRTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111   \@topnum\z@ % this prevents figures from falling at the top of page 1
112   \@setcopyright
113   \thispagestyle{firstpage}% this sets first page specifications
114   \uppercase\nonmath\shorttitle
115   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116   \else \andify\shortauthors
117   \fi
118   \@maketitle@hook
119   \begingroup
120   \@maketitle
121   \toks@{\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}[2018/09/23 v0.2 bidi adaptations for algorithm2e p
166 \expandafter\ifx\c@algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168     \renewcommand\thealgocf{\c@algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \ifpackageloaded{color}{\relax}{%
171     \bidi@patchcmd{\@algocf@start}{\bgroup}{\relax}{%
172         \bgroup
173         \if@RTL
174             \beginR
175         \else
176             \beginL
177         \fi
178     }{}{}
179     \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{\relax}{%
180         \if@RTL
181             \endR
182         \else
183             \endL
184         \fi
185         \egroup
186         \end{lrbox}%
187     }{}{}
188     \bidi@patchcmd{\algocf@makecaption}{\hbox}{\relax}{%
189         \if@RTL
190             \hboxR
191         \else
192             \hboxL
193         \fi
194     }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```

5 File amsmath-xetex-bidi.def

```

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

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

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

```



9 File article-xetex-bidi.def

```

410 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article]
411 \if@titlepage
412   \renewcommand\maketitle{\begin{titlepage}%
413     \let\footnotesize\small
414     \let\right@footnoterule\relax
415     \let\left@footnoterule\relax
416     \let\textwidth@footnoterule\relax
417     \let\footnote\thanks
418     \let\LTRfootnote\LTRthanks
419     \let\RTLfootnote\RTLthanks
420     \null\vfil
421     \vskip 60\p@
422     \begin{center}%
423       {\LARGE \@title \par}%
424       \vskip 3em%
425       {\large
426         \lineskip .75em%
427         \begin{tabular}[t]{c}%
428           \@author
429         \end{tabular}\par}%
430       \vskip 1.5em%
431       {\large \@date \par}%           % Set date in \large size.
432     \end{center}\par
433     \@thanks
434     \vfil\null
435   \end{titlepage}%
436   \setcounter{footnote}{0}%
437   \global\let\thanks\relax
438   \global\let\LTRthanks\relax
439   \global\let\RTLthanks\relax
440   \global\let\maketitle\relax
441   \global\let\@thanks\@empty
442   \global\let\@author\@empty
443   \global\let\@date\@empty
444   \global\let\@title\@empty
445   \global\let\title\relax
446   \global\let\author\relax
447   \global\let\date\relax
448   \global\let\and\relax
449 }
450 \else
451 \renewcommand\maketitle{\par
452   \begingroup
453     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
454     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
455     \long\def\@makefntext##1{\parindent 1em\noindent
456       \hb@xt@1.8em{%
457         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
458     \if@twocolumn
459       \ifnum \col@number=\@ne
460         \@maketitle
461       \else

```



```

462     \twocolumn[\@maketitle]%
463     \fi
464     \else
465     \newpage
466     \global\@topnum\z@    % Prevents figures from going at top of page.
467     \@maketitle
468     \fi
469     \thispagestyle{plain}\@thanks
470 \endgroup
471 \setcounter{footnote}{0}%
472 \global\let\thanks\relax
473 \global\let\LTRthanks\relax
474 \global\let\RTLthanks\relax
475 \global\let\maketitle\relax
476 \global\let\@maketitle\relax
477 \global\let\@thanks\@empty
478 \global\let\@author\@empty
479 \global\let\@date\@empty
480 \global\let\@title\@empty
481 \global\let\title\relax
482 \global\let\author\relax
483 \global\let\date\relax
484 \global\let\and\relax
485 }
486 \def\@maketitle{%
487   \newpage
488   \null
489   \vskip 2em%
490   \begin{center}%
491     \let \footnote \thanks
492     \let \LTRfootnote \LTRthanks
493     \let \RTLfootnote \RTLthanks
494     {\LARGE \@title \par}%
495     \vskip 1.5em%
496     {\large
497       \lineskip .5em%
498       \begin{tabular}[t]{c}%
499         \@author
500       \end{tabular}\par}%
501     \vskip 1em%
502     {\large \@date}%
503   \end{center}%
504   \par
505   \vskip 1.5em}
506 \fi
507 \renewcommand*\l@part[2]{%
508   \ifnum \c@tocdepth >-2\relax
509     \addpenalty\@secpenalty
510     \addvspace{2.25em \@plus\p@}%
511     \setlength\@tempdima{3em}%
512     \begingroup
513       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
514       \parfillskip -\@pnumwidth
515       {\leavevmode

```



```

516      \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
517      \nobreak
518      \ifcompatibility
519        \global\@nobreaktrue
520        \everypar{\global\@nobreakfalse\everypar{}}%
521      \fi
522    \endgroup
523  \fi}
524 \renewcommand*\l@section[2]{%
525   \ifnum \c@tocdepth >\z@
526     \addpenalty\@secpenalty
527     \addvspace{1.0em \@plus\p@}%
528     \setlength\@tempdima{1.5em}%
529     \begingroup
530       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
531       \parfillskip -\@pnumwidth
532       \leavevmode \bfseries
533       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
534       \hskip -\if@RTL\rightskip\else\leftskip\fi
535       #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
536     \endgroup
537   \fi}
538 \renewcommand\left@footnoterule{%
539   \kern-3\p@
540   \hrule\@width.4\columnwidth
541   \kern2.6\p@}
542 \renewcommand\right@footnoterule{%
543   \kern-3\p@
544   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
545   \kern2.6\p@}
546 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
547 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
548 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
549 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
550 \def\@part[#1]#2{%
551   \ifnum \c@secnumdepth >\m@ne
552     \refstepcounter{part}%
553     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
554   \else
555     \addcontentsline{toc}{part}{#1}%
556   \fi
557   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
558    \interlinepenalty \@M
559    \normalfont
560    \ifnum \c@secnumdepth >\m@ne
561      \Large\bfseries \partname\nobreakspace\thepart
562      \par\nobreak
563    \fi
564    \huge \bfseries #2%
565    \markboth{}{}\par}%
566   \nobreak
567   \vskip 3ex
568   \@afterheading}
569 \renewenvironment{thebibliography}[1]

```



```

570 {\section*{\refname}%
571 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
572 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
573 \bidi@thebibliography@font@hook%
574 \list{\@biblabel{\@arabic\c@enumiv}}%
575 {\settowidth\labelwidth{\@biblabel{#1}}%
576 \leftmargin\labelwidth
577 \advance\leftmargin\labelsep
578 \@openbib@code
579 \usecounter{enumiv}%
580 \let\p@enumiv\@empty
581 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
582 \sloppy
583 \clubpenalty4000
584 \@clubpenalty \clubpenalty
585 \widowpenalty4000%
586 \sfcode\~.\@m}
587 {\def\@noitemerr
588 {\@latex@warning{Empty `thebibliography' environment}}}%
589 \endlist}
590 \renewenvironment{theindex}
591 {\if@twocolumn
592 \@restonecolfalse
593 \else
594 \@restonecoltrue
595 \fi
596 \columnseprule \z@
597 \columnsep 35\p@
598 \twocolumn[\section*{\indexname}]%
599 \mkboth{\MakeUppercase\indexname}%
600 {\MakeUppercase\indexname}%
601 \thispagestyle{plain}\parindent\z@
602 \parskip\z@ \@plus .3\p@\relax
603 \let\item\@idxitem}
604 {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

605 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
606 \renewenvironment{theindex}{%
607 \if@twocolumn
608 \@restonecolfalse
609 \else
610 \@restonecoltrue
611 \fi
612 \columnseprule \z@
613 \columnsep 35\p@
614 \twocolumn[\section*{\indexname}]%
615 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
616 \thispagestyle{plain}\parindent\z@
617 \parskip\z@ \@plus .3\p@\relax
618 \let\item\@idxitem
619 }{%
620 \if@restonecol\onecolumn\else\clearpage\fi}

```




```

621 \renewcommand*\head@style{%
622     \interlinepenalty \@M
623     \hyphenpenalty=\@M \exhyphenpenalty=\@M
624     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
625 \if@titlepage
626     \renewenvironment{abstract}{%
627         \titlepage
628         \null\vfil
629         \section*{\SectFont\abstractname}
630         \noindent\ignorespaces}
631     {\par\vfil\null\endtitlepage}
632 \else
633     \renewenvironment{abstract}{%
634         \if@twocolumn
635             \section*{\abstractname}%
636         \else
637             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
638             \section*{\small\SectFont\abstractname}%
639             \noindent\ignorespaces
640             \fi}
641     {\if@twocolumn\else\par\egroup\fi}
642 \fi
643 \renewcommand*\@regtocline[3]{%
644     \ifnum #1>\c@tocdepth
645     \else
646         \vskip\z@\@plus.2\p@
647         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
648         \if@RTL\rightskip\else\leftskip\fi\unitindent
649         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
650         \parfillskip\z@
651         \@tempdima\unitindent
652         \parindent\z@
653         \leavevmode
654         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
655         \hskip 1em \nobreak{\slshape #3}\par
656         }%
657     \fi}
658 \if@oldtoc
659 \renewcommand*\l@part[2]{%
660     \ifnum \c@tocdepth >-2\relax
661         \addpenalty\@secpenalty
662         \addvspace{2.25em \@plus\p@}%
663         \begingroup
664             \setlength\@tempdima{3em}%
665             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
666             \parfillskip -\@pnumwidth
667             {\leavevmode
668                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
669                 \nobreak
670                 \if@compatibility
671                     \global\@nobreaktrue
672                     \everypar{\global\@nobreakfalse\everypar{}}%
673             \fi
674         \endgroup

```



```

675 \fi}
676 \else
677 \renewcommand*\l@part{%
678 \ifnum \c@tocdepth >-2\relax
679 \addpenalty\@secpenalty
680 \addvspace{2.25em \@plus \p@}%
681 \@regtocline{0}%
682 \fi}
683 \fi
684 \if@oldtoc
685 \renewcommand*\l@section[2]{%
686 \addpenalty\@secpenalty
687 \addvspace{1.0em \@plus \p@}%
688 \setlength\@tempdima{1.5em}%
689 \begin{group}
690 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
691 \parfillskip -\@pnumwidth
692 \leavevmode \bfseries
693 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
694 \hskip -\if@RTL\rightskip\else\leftskip\fi
695 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
696 \endgroup}
697 \else
698 \renewcommand*\l@section{\@regtocline{1}}
699 \fi
700 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
701 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
702 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
703 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
704 \renewenvironment{thebibliography}[1]
705 {\section*\refname}%
706 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
707 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
708 \bidi\@thebibliography@font@hook%
709 \list{\@biblabel{\@arabic\c@enumiv}}%
710 {\settowidth\labelwidth{\@biblabel{#1}}%
711 \leftmargin\labelwidth
712 \advance\leftmargin\labelsep
713 \@openbib@code
714 \usecounter{enumiv}%
715 \let\p@enumiv\@empty
716 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
717 \sloppy\clubpenalty4000\widowpenalty4000%
718 \sfcode`. \@m}
719 {\def\@noitemerr
720 {\@latex@warning{Empty `thebibliography' environment}}}%
721 \endlist}
722 \renewcommand*\left@footnoterule{%
723 \kern-3\p@
724 \kern.5\baselineskip
725 \hrule\@width\unitindent
726 \kern.4\baselineskip
727 }
728 \renewcommand*\right@footnoterule{%

```



```

729 \kern-3\p@
730 \kern.5\baselineskip
731 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
732 \kern.4\baselineskip}
733 \if@titlepage
734 \renewcommand*{\TitleFont{\rmfamily}
735 \renewcommand*{\maketitle{%
736 \begin{titlepage}%
737 \let\footnotesize\small
738 \let\right@footnoterule\relax
739 \let\left@footnoterule\relax
740 \let\textwidth\footnoterule\relax
741 \let \footnote \thanks
742 \long\def\@makefntext##1{\parindent\z@
743 \def\labelitemi{\textendash}\@revlabeltrue
744 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
745 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
746 \if@compatibility\setcounter{page}{0}\fi
747 \null\vfil
748 \vskip 60\p@
749 \begin{center}%
750 \TitleFont
751 {\LARGE \def\\{\penalty -\@M}
752 \if@allcaps
753 \expandafter\uc@nothanks\@title\thanks\relax
754 \else
755 \@title
756 \fi\par}%
757 \vskip 3em%
758 {\large
759 \lineskip .75em \parindent\z@
760 \begin{tabular}[t]{c}%
761 \if@allcaps
762 \expandafter\uc@authornothanks\@author\and\relax
763 \else
764 \@author
765 \fi
766 \end{tabular}\par}%
767 \vskip 1.5em%
768 {\large
769 \if@allcaps
770 \uppercase\expandafter{\@date}%
771 \else
772 \@date
773 \fi\par}%
774 \end{center}\par
775 \@thanks
776 \vfil\null
777 \end{titlepage}%
778 \setcounter{footnote}{0}%
779 \global\let\thanks\relax
780 \global\let\maketitle\relax
781 \global\let\@thanks\@empty
782 \global\let\@author\@empty

```



```

783 \global\let\@title\@empty
784 \global\let\@date\@empty
785 \global\let\title\relax
786 \global\let\author\relax
787 \global\let\date\relax
788 \global\let\and\relax
789 }
790 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
791 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
792 \futurelet\@tempa\uc@ax}
793 \def\uc@ax{%
794 \ifx\@tempa\relax
795 \else
796 \\\andname \\\expandafter\uc@authornothanks
797 \fi}
798 \def\uc@tx{\ifx\@tempa\relax
799 \else \expandafter\uc@ty \fi}
800 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
801 \else
802 \renewcommand*\maketitle{\par
803 \begingroup
804 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
805 \def\@makefnmark{\rlap{%
806 \@textsuperscript{\normalfont\@thefnmark}}}%
807 \long\def\@makefntext{\@xm@kefntext{%
808 \@textsuperscript{\normalfont\@thefnmark}}}%
809 \if@twocolumn
810 \ifnum \col@number=\@ne
811 \@maketitle
812 \else
813 \twocolumn[\@maketitle]%
814 \fi
815 \else
816 \newpage
817 \global\@topnum\z@
818 \@maketitle
819 \fi
820 \thispagestyle{plain}\@thanks
821 \endgroup
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@maketitle\relax
826 \global\let\@thanks\@empty
827 \global\let\@author\@empty
828 \global\let\@title\@empty
829 \global\let\@date\@empty
830 \global\let\title\relax
831 \global\let\author\relax
832 \global\let\date\relax
833 \global\let\and\relax
834 }
835 \def\@maketitle{%
836 \newpage

```



```

837 \null
838 \vskip 2em%
839 \begin{center}%
840   \let \footnote \thanks
841   {\LARGE \TitleFont \@title \par}%
842   \vskip 1.5em%
843   {\large \TitleFont
844     \lineskip .5em%
845     \begin{tabular}[t]{c}%
846       \@author
847     \end{tabular}\par}%
848   \vskip 1em%
849   {\large \TitleFont \@date}%
850 \end{center}%
851 \par
852 \vskip 1.5em}
853 \fi

```

11 File artikel2-xetex-bidi.def

```

854 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
855 \renewenvironment{theindex}{%
856   \if@twocolumn
857     \@restonecolfalse
858   \else
859     \@restonecoltrue
860   \fi
861   \columnseprule \z@
862   \columnsep 35\p@
863   \twocolumn[\section*{\indexname}]%
864   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
865   \thispagestyle{plain}\parindent\z@
866   \parskip\z@ \@plus .3\p@\relax
867   \let\item\@idxitem
868 }{%
869   \if@restonecol\onecolumn\else\clearpage\fi}
870 \renewcommand*{\@regtocline}[3]{%
871   \ifnum #1>\c@tocdepth
872   \else
873     \vskip\z@ \@plus.2\p@
874     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
875       \if@RTL\righskip\else\leftskip\fi\unitindent
876       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
877       \parfillskip\z@
878       \@tempdima\unitindent
879       \advance\@tempdima by \othermargin
880       \parindent\z@
881       \leavevmode
882       \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
883         \hskip 1em \nobreak{\slshape #3}\par
884       }%
885   \fi}
886 \if@oldtoc
887 \renewcommand*\l@section[2]{%

```



```

888 \addpenalty\@secpenalty
889 \addvspace{1.0em \@plus\p@}%
890 \setlength\@tempdima{1.5em}%
891 \begingroup
892 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
893 \parfillskip -\@pnumwidth
894 \leavevmode \bfseries
895 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
896 \hskip -\if@RTL\rightskip\else\leftskip\fi
897 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
898 \endgroup}
899 \else
900 \renewcommand*\l@section{\@regtocline{1}}
901 \fi
902 \if@oldtoc
903 \renewcommand*\l@part[2]{%
904 \ifnum \c@tocdepth >-2\relax
905 \addpenalty\@secpenalty
906 \addvspace{2.25em \@plus\p@}%
907 \begingroup
908 \setlength\@tempdima{3em}%
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 {\leavevmode
912 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
913 \nobreak
914 \if@compatibility
915 \global\@nobreaktrue
916 \everypar{\global\@nobreakfalse\everypar{}}%
917 \fi
918 \endgroup
919 \fi}
920 \else
921 \renewcommand*\l@part{%
922 \ifnum \c@tocdepth >-2\relax
923 \addpenalty\@secpenalty
924 \addvspace{2.25em \@plus\p@}%
925 \@regtocline{0}%
926 \fi}
927 \fi
928 \renewcommand*\head@style{%
929 \interlinepenalty \@M
930 \hyphenpenalty=\@M \exhyphenpenalty=\@M
931 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
932 \if@titlepage
933 \renewenvironment{abstract}{%
934 \titlepage
935 \null\vfil
936 \section*{\SectFont\abstractname}%
937 \noindent\ignorespaces}
938 {\par\vfil\null\endtitlepage}
939 \else
940 \renewenvironment{abstract}{%
941 \if@twocolumn

```



```

942     \section*{\abstractname}%
943   \else
944     \section*{\hskip\unitindent\small\SectFont\abstractname}%
945     \list*{\setlength\listparindent{\unitindent}%
946           \setlength\parindent    {\z@}%
947           \setlength\leftmargin   {\unitindent}%
948           \setlength\rightmargin  {\unitindent}%
949           \setlength\parsep      {\z@}}%
950     \item[]%
951   \fi}
952   {\if@twocolumn\else\par\endlist\fi}
953 \fi
954 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
955 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
956 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
957 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
958 \renewcommand*\left@footnoterule{%
959   \kern-3\p@
960   \hrule\@width 3\unitindent
961   \kern 2.6\p@
962 }
963 \renewcommand*\right@footnoterule{%
964   \kern-3\p@
965   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
966   \kern 2.6\p@}
967 \renewenvironment{thebibliography}[1]
968   {\section*{\refname}%
969     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
970     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
971     \bidi@thebibliography@font@hook%
972     \list{\@biblabel{\@arabic\c@enumiv}}%
973           {\settowidth\labelwidth{\@biblabel{#1}}%
974           \leftmargin\labelwidth
975           \advance\leftmargin\labelsep
976           \@openbib@code
977           \usecounter{enumiv}%
978           \let\p@enumiv\@empty
979           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
980     \sloppy\clubpenalty4000\widowpenalty4000%
981     \sfcode\~.\@m}
982   {\def\@noitemerr
983     {\@latex@warning{Empty `thebibliography' environment}}%
984     \endlist}
985 \if@titlepage
986 \renewcommand*\TitleFont{\rmfamily}
987 \renewcommand*\maketitle{%
988   \begin{titlepage}%
989     \let\footnotesize\small
990     \let\right@footnoterule\relax
991     \let\left@footnoterule\relax
992     \let\textwidth\footnoterule\relax
993     \let \footnote \thanks
994     \long\def\@makefntext##1{\parindent\z@
995       \def\labelitemi{\textendash}\@revlabeltrue

```



```

996      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
997      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
998      \if@compatibility\setcounter{page}{0}\fi
999      \null\vfil
1000     \vskip 60\p@
1001     \begin{center}%
1002       \TitleFont
1003       {\LARGE \def\\{\penalty -\@M}
1004         \if@allcaps
1005           \expandafter\uc@nothanks\@title\thanks\relax
1006         \else
1007           \@title
1008           \fi\par}%
1009     \vskip 3em%
1010     {\large
1011       \lineskip .75em \parindent\z@
1012       \begin{tabular}[t]{c}%
1013         \if@allcaps
1014           \expandafter\uc@authornothanks\@author\and\relax
1015         \else
1016           \@author
1017         \fi
1018       \end{tabular}\par}%
1019     \vskip 1.5em%
1020     {\large
1021       \if@allcaps
1022         \uppercase\expandafter{\@date}%
1023       \else
1024         \@date
1025       \fi\par}%
1026     \end{center}\par
1027     \@thanks
1028     \vfil\null
1029   \end{titlepage}%
1030   \setcounter{footnote}{0}%
1031   \global\let\thanks\relax
1032   \global\let\maketitle\relax
1033   \global\let\@thanks\@empty
1034   \global\let\@author\@empty
1035   \global\let\@title\@empty
1036   \global\let\@date\@empty
1037   \global\let\title\relax
1038   \global\let\author\relax
1039   \global\let\date\relax
1040   \global\let\and\relax
1041 }
1042 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1043 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1044   \futurelet\@tempa\uc@ax}
1045 \def\uc@ax{%
1046   \ifx\@tempa\relax
1047   \else
1048     \ \andname \ \ \expandafter\uc@authornothanks
1049   \fi}

```




```

1050 \def\uc@tx{\ifx\@tempa\relax
1051     \else \expandafter\uc@ty \fi}
1052 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1053 \else
1054 \renewcommand*\maketitle{\par
1055     \begingroup
1056     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1057     \long\def\@makefntext##1{\parindent\z@
1058         \def\labelitemi{\textendash}%
1059         \leavevmode\hb@xt@.5\unitindent{%
1060             \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1061     \if@twocolumn
1062         \ifnum \col@number=\@ne
1063             \@maketitle
1064         \else
1065             \twocolumn[\@maketitle]%
1066         \fi
1067     \else
1068         \newpage
1069         \global\@topnum\z@
1070         \@maketitle
1071     \fi
1072     \thispagestyle{plain}\@thanks
1073 \endgroup
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@maketitle\relax
1078 \global\let\@thanks\@empty
1079 \global\let\@author\@empty
1080 \global\let\@title\@empty
1081 \global\let\@date\@empty
1082 \global\let\title\relax
1083 \global\let\author\relax
1084 \global\let\date\relax
1085 \global\let\and\relax
1086 }
1087 \def\@maketitle{%
1088     \newpage
1089     \null
1090     \vskip 2em%
1091     \begin{center}%
1092         \let \footnote \thanks
1093         {\LARGE \TitleFont \@title \par}%
1094         \vskip 1.5em%
1095         {\large \TitleFont
1096             \lineskip .5em%
1097             \begin{tabular}[t]{c}%
1098                 \@author
1099             \end{tabular}\par}%
1100         \vskip 1em%
1101         {\large \TitleFont \@date}%
1102     \end{center}%
1103     \par

```



```

1104 \vskip 1.5em}
1105 \fi

```

12 File artikel3-xetex-bidi.def

```

1106 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1107 \renewenvironment{theindex}{\%
1108 \if@twocolumn
1109 \@restonecolfalse
1110 \else
1111 \@restonecoltrue
1112 \fi
1113 \columnseprule \z@
1114 \columnsep 35\p@
1115 \twocolumn[\section*{\indexname}]\%
1116 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}\%
1117 \thispagestyle{plain}\parindent\z@
1118 \parskip\z@ \@plus .3\p@\relax
1119 \let\item\@idxitem
1120 }\%
1121 \if@restonecol\onecolumn\else\clearpage\fi}
1122 \renewcommand*{\head@style}{\%
1123 \interlinepenalty \@M
1124 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1125 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1126 \renewcommand*{\regtocline}[3]{\%
1127 \ifnum #1>\c@tocdepth
1128 \else
1129 \vskip\z@ \@plus .2\p@
1130 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1131 \if@RTL\rightskip\else\leftskip\fi\unitindent
1132 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1133 \parfillskip\z@
1134 \@tempdima\unitindent
1135 \parindent\z@
1136 \leavevmode
1137 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1138 \hskip 1em \nobreak{\slshape #3}\par
1139 }\%
1140 \fi}
1141 \if@oldtoc
1142 \renewcommand*{\l@part}[2]{\%
1143 \ifnum \c@tocdepth >-2\relax
1144 \addpenalty\@secpenalty
1145 \addvspace{2.25em \@plus\p@}\%
1146 \begingroup
1147 \setlength{\tempdima}{3em}\%
1148 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1149 \parfillskip -\@pnumwidth
1150 {\leavevmode
1151 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1152 \nobreak
1153 \if@compatibility
1154 \global\@nobreaktrue

```



```

1155     \everypar{\global\@nobreakfalse\everypar{}}%
1156     \fi
1157   \endgroup
1158 \fi}
1159 \else
1160   \renewcommand*\l@part{%
1161     \ifnum \c@tocdepth >-2\relax
1162       \addpenalty\@secpenalty
1163       \addvspace{2.25em \@plus \p@}%
1164       \@regtocline{0}%
1165     \fi}
1166 \fi
1167
1168 \if@oldtoc
1169 \renewcommand*\l@section[2]{%
1170   \addpenalty\@secpenalty
1171   \addvspace{1.0em \@plus \p@}%
1172   \setlength\@tempdima{1.5em}%
1173   \begingroup
1174   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1175   \parfillskip -\@pnumwidth
1176   \leavevmode \bfseries
1177   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1178   \hskip -\if@RTL\rightskip\else\leftskip\fi
1179   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1180   \endgroup}
1181 \else
1182   \renewcommand*\l@section{\@regtocline{1}}
1183 \fi
1184 \if@titlepage
1185   \renewenvironment{abstract}{%
1186     \titlepage
1187     \null\vfil
1188     \section*\SectFont\abstractname}%
1189     \noindent\ignorespaces}
1190     {\par\vfil\null\endtitlepage}
1191 \else
1192   \renewenvironment{abstract}{%
1193     \if@twocolumn
1194       \section*\abstractname}%
1195     \else
1196       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1197       \section*\small\SectFont\abstractname}%
1198       \noindent\ignorespaces
1199     \fi}
1200     {\if@twocolumn\else\par\egroup\fi}
1201 \fi
1202 \renewcommand*\left@footnoterule{%
1203   \kern-3\p@
1204   \kern.5\baselineskip
1205   \hrule\@width\unitindent
1206   \kern.4\baselineskip
1207 }
1208 \renewcommand*\right@footnoterule{%

```



```

1209 \kern-3\p@
1210 \kern.5\baselineskip
1211 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1212 \kern.4\baselineskip}
1213 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1214 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1215 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1216 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1217 \renewenvironment{thebibliography}[1]
1218     {\section*\refname}%
1219     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1220     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1221     \bidi@thebibliography@font@hook%
1222     \list{\@biblabel{\@arabic\c@enumiv}}%
1223         {\settowidth\labelwidth{\@biblabel{#1}}%
1224         \leftmargin\labelwidth
1225         \advance\leftmargin\labelsep
1226         \@openbib@code
1227         \usecounter{enumiv}%
1228         \let\p@enumiv\@empty
1229         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1230     \sloppy\clubpenalty4000\widowpenalty4000%
1231     \sfcode`.\@m}
1232     {\def\@noitemerr
1233     {\@latex@warning{Empty `thebibliography' environment}}}%
1234     \endlist}
1235 \if@titlepage
1236 \renewcommand*\TitleFont{\rmfamily}
1237 \renewcommand*\maketitle{%
1238 \begin{titlepage}%
1239 \let\footnotesize\small
1240 \let\right@footnoterule\relax
1241 \let\left@footnoterule\relax
1242 \let\textwidth\footnoterule\relax
1243 \let \footnote \thanks
1244 \long\def\@makefntext##1{\parindent\z@
1245 \def\labelitemi{\textendash}\@revlabeltrue
1246 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1247 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1248 \if@compatibility\setcounter{page}{0}\fi
1249 \null\vfil
1250 \vskip 60\p@
1251 \begin{center}%
1252 \TitleFont
1253 {\LARGE \def\\{\penalty -\@M}
1254 \if@allcaps
1255 \expandafter\uc@nothanks\@title\thanks\relax
1256 \else
1257 \@title
1258 \fi\par}%
1259 \vskip 3em%
1260 {\large
1261 \lineskip .75em \parindent\z@
1262 \begin{tabular}[t]{c}%

```



```

1263         \if@allcaps
1264         \expandafter\uc@authornothanks \@author\and\relax
1265         \else
1266         \@author
1267         \fi
1268     \end{tabular}\par}%
1269     \vskip 1.5em%
1270     {\large
1271     \if@allcaps
1272     \uppercase\expandafter{\@date}%
1273     \else
1274     \@date
1275     \fi\par}%
1276     \end{center}\par
1277     \@thanks
1278     \vfil\null
1279 \end{titlepage}%
1280 \setcounter{footnote}{0}%
1281 \global\let\thanks\relax
1282 \global\let\maketitle\relax
1283 \global\let\@thanks\@empty
1284 \global\let\@author\@empty
1285 \global\let\@title\@empty
1286 \global\let\@date\@empty
1287 \global\let\title\relax
1288 \global\let\author\relax
1289 \global\let\date\relax
1290 \global\let\and\relax
1291 }
1292 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1293 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1294     \futurelet\@tempa\uc@ax}%
1295 \def\uc@ax{%
1296     \ifx\@tempa\relax
1297     \else
1298     \ \andname \ \ \expandafter\uc@authornothanks
1299     \fi}
1300 \def\uc@tx{\ifx\@tempa\relax
1301     \else \expandafter\uc@ty \fi}
1302 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1303 \else
1304 \renewcommand*\maketitle{\par
1305     \begin{group}
1306     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1307     \def\@makefnmark{\rlap{%
1308         \@textsuperscript{\normalfont\@thefnmark}}}%
1309     \long\def\@makefntext{\@xmakefntext{%
1310         \@textsuperscript{\normalfont\@thefnmark}}}%
1311     \if@twocolumn
1312     \ifnum \col@number=\@ne
1313     \ @maketitle
1314     \else
1315     \twocolumn[\@maketitle]%
1316     \fi

```



```

1317 \else
1318 \newpage
1319 \global\@topnum\z@
1320 \@maketitle
1321 \fi
1322 \thispagestyle{plain}\@thanks
1323 \endgroup
1324 \setcounter{footnote}{0}%
1325 \global\let\thanks\relax
1326 \global\let\maketitle\relax
1327 \global\let\@maketitle\relax
1328 \global\let\@thanks\@empty
1329 \global\let\@author\@empty
1330 \global\let\@title\@empty
1331 \global\let\@date\@empty
1332 \global\let\title\relax
1333 \global\let\author\relax
1334 \global\let\date\relax
1335 \global\let\and\relax
1336 }
1337 \def\@maketitle{%
1338 \newpage
1339 \null
1340 \vskip 2em%
1341 \if@titlecentered
1342 \begin{center}%
1343 \let \footnote \thanks
1344 {\LARGE \TitleFont \@title \par}%
1345 \vskip 1.5em%
1346 {\large \TitleFont
1347 \lineskip .5em%
1348 \begin{tabular}[t]{c}%
1349 \@author
1350 \end{tabular}\par}%
1351 \vskip 1em%
1352 {\large \TitleFont \@date}%
1353 \end{center}%
1354 \else
1355 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1356 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1357 \def\and{%% \begin{tabular} has already started
1358 \end{tabular}\hskip 1em plus .17fil
1359 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}%
1360 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
1361 \vskip 1em {\large \TitleFont \@date}
1362 \fi
1363 \par
1364 \vskip 1.5em}
1365 \fi

```

13 File arydshln-xetex-bidi.def

```

1366 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1367 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTL\begin{array}\endR\egroup\fi\egroup

```



```

1368 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1369 \expandafter\let\csname endtabular*\endcsname\endtabular
1370 \let\adl@array\@array
1371 \def\@array{\adl@everyvbox\everyvbox
1372     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1373     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1374     \let\adl@noalign\noalign
1375     \adl@array}
1376 \ifadl@usingarypkg
1377 \def\@testpach{\@chclass
1378 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1379 \ifnum \@lastchclass=7 5 \else
1380 \ifnum \@lastchclass=8 \tw@ \else
1381 \ifnum \@lastchclass=9 \thr@@
1382 \else \z@
1383 \ifnum \@lastchclass = 10 \else
1384 \edef\@nextchar{\expandafter\string\@nextchar}%
1385 \@chnum
1386 \if \@nextchar c\z@ \else
1387 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1388 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1389 \z@ \@chclass
1390 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1391 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1392 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1393 \if \@nextchar !6 \else
1394 \if \@nextchar @7 \else
1395 \if \@nextchar <8 \else
1396 \if \@nextchar >9 \else
1397 10
1398 \@chnum
1399 \if \@nextchar m\thr@@\else
1400 \if \@nextchar p4 \else
1401 \if \@nextchar b5 \else
1402 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1403 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1404
1405 \def\@classz{\@classx
1406     \@tempcnta \count@
1407     \prepnext@tok
1408     \@addtopreamble{\ifcase \@chnum
1409         \hfil
1410         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1411         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1412         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1413         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1414         \adl@endmbox\or
1415         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1416         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1417         \fi}\prepnext@tok}
1418 \def\adl@class@start{4}
1419 \def\adl@class@iiiorvii{7}
1420
1421 \else

```



```

1422 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1423     \ifnum \@lastchclass=\thr@@ 5\relax \else
1424         \z@ \if #1c\@chnum \z@ \else
1425             \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1426             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1427                 \@chclass
1428                 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1429                 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1430                 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1431                 \if #1@\tw@ \else
1432                 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1433     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1436     \or \or \@addamp \or
1437     \@acolampacol \or \@firststampfalse \@acol \fi
1438     \edef\@preamble{\@preamble
1439         \ifcase \@chnum
1440             \hfil\adl@putlrc{\$ \relax \@sharp\$}\hfil
1441             \or \adl@putlrc{\$ \relax \@sharp\$}\hfil
1442             \or \hfil\adl@putlrc{\$ \relax \@sharp\$}\fi}}
1443 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1444     \or \or \@addamp \or
1445     \@acolampacol \or \@firststampfalse \@acol \fi
1446     \edef\@preamble{\@preamble
1447         \ifcase \@chnum
1448             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1449             \or \adl@putlrc{\@sharp\unskip}\hfil
1450             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1451 \def\adl@class@start{6}
1452 \def\adl@class@iiiorvii{3}
1453 \fi
1454 \ifpackageloaded{colortbl}{%
1455 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1456 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1457     \let\@endpbox\adl@org@endpbox}
1458 \let\adl@CT@setup\CT@setup
1459 \def\CT@setup{\adl@CT@setup
1460     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1461     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1462     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1463 \let\adl@act@CT@setup\CT@setup
1464 \def\@classz{\@classx
1465     \@tempcnta\count@ \prepnext@tok
1466     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1467     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1468     \expandafter\adl@extract@drsc
1469         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1470     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1471     \@addtopreamble{\if@RTL\beginL\fi%
1472         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1473         \ifcase \@chnum
1474             \hskip\stretch{.5}\kern\z@
1475             \dollarbegin

```




```

1476             \insert@column
1477             \d@llarend\hskip\stretch{.5}%
1478         \or \d@llarbegin \insert@column \d@llarend \hfill
1479         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1480         \or $\vcenter
1481             \@startpbox{\@nextchar}\insert@column \@endpbox $\%
1482         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1483         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1484         \fi
1485     \if@RTL\endR\fi\egroup\egroup
1486     \beginngroup
1487         \CT@setup
1488         \CT@column@color
1489         \CT@row@color
1490         \CT@cell@color
1491         \CT@do@color
1492     \endgroup
1493     \@tempdima\ht\z@
1494     \advance\@tempdima\minrowclearance
1495     \vrule\@height\@tempdima\@width\z@
1496     \unhbox\z@\if@RTL\endL\fi}%
1497     \prepnext@tok}
1498 \let\adl@act@classz\@classz
1499 \let\adl@org@classz\@classz
1500 }{}

```

14 File beamer-xetex-bidi.def

```

1501 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for Xe
1502 \AtBeginDocument{%
1503     \if@RTLmain
1504         \raggedleft
1505     \else
1506         \raggedright
1507     \fi
1508 }
1509
1510 \renewcommand*{\bidi@beamer@ragged}{%
1511     \if@RTL
1512         \raggedleft
1513     \else
1514         \raggedright
1515     \fi
1516 }
1517
1518

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1519 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2022/06/06 v0.2 bidi adaptations for be
1520 \bidi@csundef{beamer@tmpop@section in toc@circle}
1521
1522 \bidi@csundef{beamer@tmpop@subsection in toc@circle}
1523

```



```

1524 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1525
1526 \defbeamertemplate{section in toc}{circle}
1527 {\leavevmode\bidi@beamer@leftskip=2ex%
1528   \llap{%
1529     \usebeamerfont*{section number projected}%
1530     \usebeamercolor{section number projected}%
1531     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1532       \color{bg}
1533       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1534       \pgfusepath{fill}
1535       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1536     \end{pgfpicture}\kern1.25ex%
1537   }%
1538   \inserttocsection\par}
1539
1540 \defbeamertemplate{subsection in toc}{circle}
1541 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1542
1543 \defbeamertemplate{subsubsection in toc}{circle}
1544 {\leavevmode\normalsize\usebeamerfont{subsection in
1545   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1546   \inserttocsubsubsection\par}
1547
1548 \bidi@csundef{beamer@@tmpop@section in toc@square}
1549
1550 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1551
1552 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1553
1554 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1555
1556 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1557
1558 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1559
1560 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1561
1562 \defbeamertemplate{section in toc}{square}
1563 {\leavevmode\bidi@beamer@leftskip=1.75ex%
1564   \llap{{%
1565     \usebeamerfont*{section number projected}%
1566     \usebeamercolor[bg]{section number projected}%
1567     \if@RTL
1568     \else
1569       \vrule width2.25ex height1.85ex depth.4ex%
1570       \hskip-2.25ex%
1571     \fi
1572     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%
1573     \if@RTL
1574       \hskip-2.25ex%
1575       \vrule width2.25ex height1.85ex depth.4ex%
1576     \fi
1577   }}%

```



```

1578 \kern1.25ex\inserttocsection\par}
1579
1580 \defbeamertemplate{subsection in toc}{square}
1581 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1582     \usebeamercolor[bg]{subsection number projected}%
1583     \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1584
1585 \defbeamertemplate{subsubsection in toc}{square}
1586 {\leavevmode\normalsize\usebeamerfont{subsection in
1587     toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1588     \llap{%
1589         \usebeamercolor[bg]{subsubsection number projected}%
1590         \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1591
1592 \defbeamertemplate{enumerate item}{square}
1593 {
1594     \hbox{%
1595         \usebeamerfont*{item projected}%
1596         \usebeamercolor[bg]{item projected}%
1597         \if@RTL
1598         \else
1599             \vrule width2.25ex height1.85ex depth.4ex%
1600             \hskip-2.25ex%
1601         \fi
1602         \hbox to2.25ex{%
1603             \hfil%
1604             \color{fg}\insertenumlabel%
1605             \hfil}}%
1606         \if@RTL
1607             \hskip-2.25ex%
1608             \vrule width2.25ex height1.85ex depth.4ex%
1609         \fi
1610     }%
1611 }
1612 [action]
1613 {\setbeamerfont{item projected}{size=\scriptsize}}
1614
1615 \defbeamertemplate{enumerate subitem}{square}
1616 {
1617     \hbox{%
1618         \usebeamerfont*{subitem projected}%
1619         \usebeamercolor[bg]{subitem projected}%
1620         \if@RTL
1621         \else
1622             \vrule width2.25ex height1.85ex depth.4ex%
1623             \hskip-2.25ex%
1624         \fi
1625         \hbox to2.25ex{%
1626             \hfil%
1627             \color{fg}\insertsubenumlabel%
1628             \hfil}}%
1629         \if@RTL
1630             \hskip-2.25ex%
1631             \vrule width2.25ex height1.85ex depth.4ex%

```



```

1632     \fi
1633   }}%
1634 }
1635
1636 \defbeamertemplate{enumerate subsubitem}{square}
1637 {
1638   \hbox{%
1639     \usebeamerfont*{subitem projected}%
1640     \usebeamercolor[bg]{subsubitem projected}%
1641     \if@RTL
1642     \else
1643       \vrule width2.25ex height1.85ex depth.4ex%
1644       \hskip-2.25ex%
1645     \fi
1646     \hbox to2.25ex{%
1647       \hfil%
1648       \color{fg}\insertsubsubenumlabel%
1649       \hfil}}%
1650     \if@RTL
1651       \hskip-2.25ex%
1652       \vrule width2.25ex height1.85ex depth.4ex%
1653     \fi
1654   }}%
1655 }
1656
1657 \defbeamertemplate{enumerate mini template}{square}
1658 {
1659   \hbox{%
1660     \usebeamerfont*{\beameritemnestingprefix item projected}%
1661     \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1662     \if@RTL
1663     \else
1664       \vrule width2.25ex height1.85ex depth.4ex%
1665       \hskip-2.25ex%
1666     \fi
1667     \hbox to2.25ex{%
1668       \hfil%
1669       \color{fg}\insertenumlabel%
1670       \hfil}}%
1671     \if@RTL
1672       \hskip-2.25ex%
1673       \vrule width2.25ex height1.85ex depth.4ex%
1674     \fi
1675   }}%
1676 }
1677
1678 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1679
1680 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1681
1682 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1683
1684 \defbeamertemplate{section in toc}{ball}
1685 {\leavevmode\bidi@beamer@leftskip=2.75ex%

```



```

1686 \llap{%
1687   \normalsize%
1688   \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1689     \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1690     \pgftext{%
1691       \usebeamerfont*{section number projected}%
1692       \usebeamerfont*{section number projected}%
1693       \color{fg!90!bg}%
1694       \inserttocsectionnumber}
1695   \end{pgfpicture}%
1696   \kern1.25ex}%
1697 \inserttocsection\par
1698 }
1699 [action]
1700 {\setbeamerfont{section number projected}{size=\scriptsize}}
1701
1702 \defbeamertemplate{subsection in toc}{ball}
1703 {\leavevmode\bidibeamer@leftskip=5ex%
1704   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1705   \inserttocsubsection\par%
1706 }
1707
1708 \defbeamertemplate{subsubsection in toc}{ball}
1709 {\leavevmode\normalsize\usebeamerfont{subsection in
1710   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1711   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1712   \inserttocsubsubsection\par%
1713 }
1714
1715 \bidicsundef{beamer@@tmpop@block begin@rounded}
1716
1717 \bidicsundef{beamer@@tmpop@block alerted begin@rounded}
1718
1719 \bidicsundef{beamer@@tmpop@block example begin@rounded}
1720
1721 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1722 {%
1723   \par\vskip\medskipamount%
1724   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1725     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1726     \bidibeamer@ragged%
1727     \usebeamerfont{block body}%
1728   }
1729
1730 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1731 {%
1732   \par\vskip\medskipamount%
1733   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1734     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1735     \bidibeamer@ragged%
1736     \usebeamerfont{block body alerted}%
1737   }%
1738
1739 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]

```



```

1740 {%
1741   \par\vskip\medskipamount%
1742   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1743     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1744     \bidi@beamer@ragged%
1745     \usebeamerfont{block body example}%
1746 }%
1747

```

16 File beamerbaseboxes-xetex-bidi.def

```

1748 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1749 \renewcommand\beamerboxesrounded[2] [] {%
1750   \global\let\beamer@firstlineitemizeunskip=\relax%
1751   \vbox\bgroup%
1752   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1753   \setkeys{beamerboxes}{#1}%
1754   {%
1755     \usebeamercolor{\bmb@lower}%
1756     \globalcolorstrue%
1757     \colorlet{lower.bg}{bg}%
1758   }%
1759   {%
1760     \usebeamercolor{\bmb@upper}%
1761     \globalcolorstrue%
1762     \colorlet{upper.bg}{bg}%
1763   }%
1764   %
1765   % Typeset head
1766   %
1767   \vskip4bp
1768   \setbox\bmb@box=\hbox{%
1769     \begin{minipage}[b]{\bmb@width}%
1770       \usebeamercolor{fg}{\bmb@upper}%
1771       #2%
1772     \end{minipage}}%
1773   \ifdim\wd\bmb@box=0pt%
1774     \setbox\bmb@box=\hbox{%
1775       \ht\bmb@box=1.5pt%
1776       \bmb@prevheight=-4.5pt%
1777     \else%
1778       \wd\bmb@box=\bmb@width%
1779       \bmb@temp=\dp\bmb@box%
1780       \ifdim\bmb@temp<1.5pt%
1781         \bmb@temp=1.5pt%
1782       \fi%
1783       \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1784       \dp\bmb@box=0pt%
1785       \bmb@prevheight=\ht\bmb@box%
1786     \fi%
1787     \bmb@temp=\bmb@width%
1788     \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1789     \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1790     \hbox{%

```



```

1791 \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1792 \ifdim\wd\bmb@box=0pt%
1793 \color{lower.bg}%
1794 \else%
1795 \color{upper.bg}%
1796 \fi%
1797 \pgfpathqmoveto{-4bp}{-1bp}
1798 \pgfpathqcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1799 \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1800 \pgfpathcurveto%
1801 {\pgfpoint{\bmb@dima}{3bp}}%
1802 {\pgfpoint{\bmb@dimb}{1.2bp}}%
1803 {\pgfpoint{\bmb@dimb}{-1bp}}%
1804 \bmb@dima=-\ht\bmb@box%
1805 \advance\bmb@dima by-2pt%
1806 \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1807 \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1808 \pgfusepath{fill}
1809 \end{pgfpicture}%
1810 \copy\bmb@box%
1811 }%
1812 \nointerlineskip%
1813 \vskip-1pt%
1814 \ifdim\wd\bmb@box=0pt%
1815 \else%
1816 \hbox{%
1817 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1818 \bmb@dima=\bmb@width%
1819 \advance\bmb@dima by8bp%
1820 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1821 \pgfusepath{clip}
1822 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1823 \end{pgfpicture}%
1824 }%
1825 \nointerlineskip%
1826 \vskip-0.5pt%
1827 \fi%
1828 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1829 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1830 \vskip2pt%
1831 \usebeamercolor[fg]{\bmb@lower}%
1832 \colorlet{beamerstructure}{upper.bg}%
1833 \colorlet{structure}{upper.bg}%
1834 %\color{.}%
1835 \@bidi@list@minipage@parboxfalse
1836 }
1837
1838 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1839 \begingroup
1840 \@RTLfalse
1841 }{}{}
1842
1843

```



17 File beamerbasecolor-xetex-bidi.def

```
1844 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1845 \renewenvironment{beamercolorbox}[2] [] {%
1846   \def\beamer@vmode{\leavevmode}%
1847   \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1848     leftskip=0pt,rightskip=0pt plus1fil,%
1849     sep=0pt,colsep=0pt,colsep*=0pt,%
1850     shadow=false,rounded=false,ignorebg=false}%
1851   \if@RTL
1852     \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1853   \else
1854     \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1855   \fi
1856   \setkeys{beamercolbox}{#1}%
1857   \ifbeamercoloreempty[bg]{#2}{\@tempswafalse}{\@tempswattrue}%
1858   \ifbeamer@colbox@ignorebg\@tempswafalse\fi%
1859   \def\beamer@colbox@color{#2}%
1860   \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1861     \ifbeamer@colbox@ignorebg%
1862       \colorlet{beamer@temp@color}{bg}%
1863       \usebeamercolor[fg]{#2}%
1864       \colorlet{bg}{beamer@temp@color}%
1865     \else%
1866       \usebeamercolor[fg]{#2}%
1867     \fi%
1868     \beginL
1869     \vbox\bgroup%
1870     \hsize=\beamer@colbox@wd%
1871     \@arrayparboxrestore%
1872     \leftskip=\beamer@colbox@ls%
1873     \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1874     \rightskip=\beamer@colbox@rs%
1875     \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1876     \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1877       \advance\leftskip by\beamer@colbox@colsep%
1878       \advance\rightskip by\beamer@colbox@colsep%
1879       \vskip\beamer@colbox@colsep%
1880     \fi%
1881     \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1882     \fi%
1883     \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1884     \beamer@vmode\ignorespaces}%
1885     \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1886     \if@tempswa
1887       \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1888       \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1889     \fi%
1890   \egroup\endL\color@endgroup\egroup%
1891   \wd\beamer@tempbox=\beamer@colbox@wd%
1892   \ifx\beamer@colbox@ht\empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1893   \ifx\beamer@colbox@dp\empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1894   \ifbeamer@colbox@rounded%
1895     \if@tempswa%
```




```

1896 \begin{beamerboxesrounded}[%
1897   shadow=\beamer@colbox@shadow,%
1898   lower=\beamer@colbox@color,%
1899   upper=normal text,%
1900   width=\beamer@colbox@wd]{}%
1901   \box\beamer@tempbox%
1902 \end{beamerboxesrounded}%
1903 \else%
1904   \ifdim\wd\beamer@tempbox>\textwidth%
1905     \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
1906   \fi%
1907   \box\beamer@tempbox%
1908 \fi%
1909 \else%
1910   \if@tempswa\setbox\beamer@tempbox=\hbox{%
1911     \usebeamercolor{\beamer@colbox@color}%
1912     \hskip-\beamer@colbox@colseps%
1913     \fboxsep=\z@\colorbox{bg}{}%
1914     \hskip\beamer@colbox@colseps%
1915     \box\beamer@tempbox%
1916     \hskip\beamer@colbox@colseps%
1917   }%
1918   \hskip-\beamer@colbox@colseps%
1919   }\fi%
1920   \ifdim\wd\beamer@tempbox>\textwidth%
1921     \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box%
1922   \fi%
1923   \box\beamer@tempbox%
1924 \fi%
1925 }
1926
1927

```

18 File beamerbaseframecomponents-xetex-bidi.def

```

1928 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2022/06/06 v0.2 bidi adaptations for
1929 \renewcommand{\setbeamersize}[1]{%
1930   \beamer@dogeometryfalse%
1931   \setkeys{beamer@margin}{#1}%
1932   \ifbeamer@dogeometry%
1933     % Reset left margin now
1934     \beamer@tempdim=\beamer@leftmargin%
1935     \advance\beamer@tempdim by\beamer@leftsidebar%
1936     \if@RTLmain
1937       \geometry{right=\the\beamer@tempdim}%
1938     \else
1939       \geometry{left=\the\beamer@tempdim}%
1940     \fi
1941     % Reset right margin now
1942     \beamer@tempdim=\beamer@rightmargin%
1943     \advance\beamer@tempdim by\beamer@rightsidebar%
1944     \if@RTLmain
1945       \geometry{left=\the\beamer@tempdim}%
1946     \else

```



```

1947     \geometry{right=\the\beamer@tempdim}%
1948     \fi
1949 \fi%
1950 }
1951
1952 \newcommand*{\bidi@beamer@Gm@lmargin}{%
1953   \if@RTLmain
1954     \Gm@rmargin
1955   \else
1956     \Gm@lmargin
1957   \fi
1958 }
1959
1960 \newcommand*{\bidi@beamer@Gm@rmargin}{%
1961   \if@RTLmain
1962     \Gm@lmargin
1963   \else
1964     \Gm@rmargin
1965   \fi
1966 }
1967
1968 \def\ps@navigation{
1969   \def\@oddhead{%
1970     \begingroup%
1971     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransition}%
1972     \beamer@tempdim=\ht\beamer@tempbox%
1973     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
1974     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
1975     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
1976     \beamer@tempdim=\ht\@tempboxa%
1977     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
1978     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
1979     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}}%
1980     \hbox{%
1981       {%
1982         \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
1983         \if@RTLmain
1984           {%
1985             \vbox to \sidebarheight{%
1986               \usebeamertemplate***{sidebar left}%
1987             \vfil%
1988           }}%
1989           \hskip-\textwidth
1990         \fi
1991         {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
1992           \usebeamercolor*{sidebar left}%
1993           \usebeamertemplate{sidebar canvas left}%
1994           \vss%
1995         }}%
1996         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
1997         \box\beamer@tempbox}%
1998         \if@RTLmain
1999         \else
2000         {%

```



```

2001         \vbox to \sidebarheight{%
2002             \usebeamertemplate***{sidebar left}%
2003             \vfil%
2004         }}\fi}%
2005     \beamer@tempdim=\ht\beamer@tempbox%
2006     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2007     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2008     \box\beamer@tempbox%
2009 }%
2010 {% print right sidebar first, since it should be overwritten by headline
2011     \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2012     \if@RTLmain
2013         {%
2014             \vbox to \sidebarheight{%
2015                 \usebeamertemplate***{sidebar right}%
2016                 \vfil%
2017             }}%
2018             \hskip-\textwidth
2019             \fi
2020             {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2021                 \usebeamercolor*{sidebar right}%
2022                 \usebeamertemplate{sidebar canvas right}%
2023                 \vss%
2024             }}%
2025                 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2026                 \box\beamer@tempbox}%
2027                 \if@RTLmain
2028                 \else
2029                 {%
2030                     \vbox to \sidebarheight{%
2031                         \usebeamertemplate***{sidebar right}%
2032                         \vfil%
2033                     }}\fi}%
2034                 \beamer@tempdim=\ht\beamer@tempbox%
2035                 \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2036                 \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2037                 \box\beamer@tempbox%
2038             }%
2039             \beamer@typesetheadorfoot{headline}%
2040         }%
2041         \hfil}%
2042     \endgroup}
2043 \def\@oddfoot{%
2044     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2045     \hfil}\hbox{}}\hfil
2046 }%
2047 \let\@evenhead\@oddhead
2048 \let\@evenfoot\@oddfoot}
2049
2050 \AtBeginDocument{%
2051     \pagestyle{navigation}%
2052 }
2053
2054 \def\beamer@typesetheadorfoot#1{% typeset the head or footline

```



```

2055 {\parskip0pt\offinterlineskip%
2056   \hbox{%
2057     \hskip-\bidi@beamer@Gm@lmargin%
2058     \hbox{%
2059       \vbox{%
2060         \@tempdima=\textwidth%
2061         \textwidth=\paperwidth%
2062         \hsize=\textwidth%
2063         \def\{,\}%
2064         \usebeamertemplate***{#1}%
2065       }%
2066     \hskip-\bidi@beamer@Gm@rmargin%
2067   }\hfil%
2068 }
2069
2070 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2071   \beamer@colclose%
2072   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2073 \begin{actionenv}#3%
2074   \setkeys{beamer@col}{#1}%
2075   \begin{minipage}[\beamer@colalign]{#2}%
2076     \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2077
2078 \renewenvironment<>{columns}[1][]{%
2079   \begin{actionenv}#2%
2080     \ifbeamer@onlytextwidth
2081       \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2082       \def\beamer@colexitcode{\unskip\egroup}
2083     \else%
2084       \def\beamer@colentrycode{%
2085         \hbox to\textwidth\bgroup%
2086         \leavevmode%
2087         \hskip-\beamer@leftmargin%
2088         \nobreak%
2089         \beamer@tempdim=\textwidth%
2090         \advance\beamer@tempdim by\beamer@leftmargin%
2091         \advance\beamer@tempdim by\beamer@rightmargin%
2092         \hbox to\beamer@tempdim\bgroup%
2093         \hbox{}\hfill\ignorespaces}%
2094       \def\beamer@colexitcode{\egroup%
2095         \nobreak%
2096         \hskip-\beamer@rightmargin\egroup}%
2097     \fi%
2098     \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2099     \setkeys{beamer@col}{#1}%
2100     \par%
2101     \leavevmode
2102     \beamer@colentrycode%
2103     \def\beamer@colclose{}\ignorespaces}%
2104   {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}%
2105
2106
2107 \def\@makeRTLftntext#1{%
2108   \def\insertfootnotetext{#1}%

```



```

2109 \def\insertfootnotemark{\@makefnmark}%
2110 \usebeamertemplate***{RTLfootnote}}
2111
2112 \def\@makeLTRfntext#1{%
2113 \def\insertfootnotetext{#1}%
2114 \def\insertfootnotemark{\@makefnmark}%
2115 \usebeamertemplate***{LTRfootnote}}
2116
2117 \renewcommand<>\beamer@framefootnotetext[1]{%
2118 \global\setbox\beamer@footins\vbox{%
2119 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2120 \hsize\framewidth
2121 \textwidth\hsize
2122 \columnwidth\hsize
2123 \unvbox\beamer@footins
2124 \reset@font
2125 \bidi@@footnotetext@font
2126 \@parboxrestore
2127 \protected@edef\@currentlabel
2128 {\csname p@footnote\endcsname\@thefnmark}%
2129 \color@begingroup
2130 \uncover#2{\@makefntext{%
2131 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2132 \color@endgroup}}
2133
2134 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2135 \global\setbox\beamer@footins\vbox{%
2136 \@RTLtrue
2137 \hsize\framewidth
2138 \textwidth\hsize
2139 \columnwidth\hsize
2140 \unvbox\beamer@footins
2141 \reset@font
2142 \bidi@@RTLfootnotetext@font
2143 \@parboxrestore
2144 \protected@edef\@currentlabel
2145 {\csname p@footnote\endcsname\@thefnmark}%
2146 \color@begingroup
2147 \uncover#2{\@makeRTLfntext{%
2148 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2149 \color@endgroup}}
2150
2151 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2152 \global\setbox\beamer@footins\vbox{%
2153 \@RTLfalse
2154 \hsize\framewidth
2155 \textwidth\hsize
2156 \columnwidth\hsize
2157 \unvbox\beamer@footins
2158 \reset@font
2159 \bidi@@LTRfootnotetext@font
2160 \@parboxrestore
2161 \protected@edef\@currentlabel
2162 {\csname p@footnote\endcsname\@thefnmark}%

```



```

2163 \color@begingroup
2164 \uncover#2{\@makeLTRfntext{%
2165 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2166 \color@endgroup}}
2167
2168 \renewcommand<>\@mpfootnotetext[1]{%
2169 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidim@mpfootnoter
2170 \global\setbox\@mpfootins\vbox{%
2171 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
2172 \unvbox\@mpfootins
2173 \reset@font
2174 \bidi@@footnotetext@font
2175 \hsize\columnwidth
2176 \@parboxrestore
2177 \protected@edef\@currentlabel
2178 {\csname p@mpfootnote\endcsname\@thefnmark}%
2179 \color@begingroup
2180 \uncover#2{\@makefntext{%
2181 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2182 \color@endgroup}}
2183
2184 \renewcommand<>\@mpRTLfootnotetext[1]{%
2185 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidim@mpfootnoterule\right@footno
2186 \global\setbox\@mpfootins\vbox{%
2187 \@RTLtrue
2188 \unvbox\@mpfootins
2189 \reset@font
2190 \bidi@@RTLfootnotetext@font
2191 \hsize\columnwidth
2192 \@parboxrestore
2193 \protected@edef\@currentlabel
2194 {\csname p@mpfootnote\endcsname\@thefnmark}%
2195 \color@begingroup
2196 \uncover#2{\@makeRTLfntext{%
2197 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2198 \color@endgroup}}
2199
2200 \renewcommand<>\@mpLTRfootnotetext[1]{%
2201 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidim@mpfootnoterule\left@footnot
2202 \global\setbox\@mpfootins\vbox{%
2203 \@RTLfalse
2204 \unvbox\@mpfootins
2205 \reset@font
2206 \bidi@@LTRfootnotetext@font
2207 \hsize\columnwidth
2208 \@parboxrestore
2209 \protected@edef\@currentlabel
2210 {\csname p@mpfootnote\endcsname\@thefnmark}%
2211 \color@begingroup
2212 \uncover#2{\@makeLTRfntext{%
2213 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}}%
2214 \color@endgroup}}
2215
2216 \let\@footnotetext=\beamer@framefootnotetext

```



```

2217 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2218 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2219
2220 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2221 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2222 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2223
2224 \renewcommand<>{\footnote}[1] [] {%
2225   \let\beamer@footnotetext=\@footnotetext%
2226   \let\beamer@mpfn=\@mpfn%
2227   \let\beamer@thempfn=\thempfn%
2228   \let\beamer@kvorig=\KV@errx%
2229   \let\beamer@xkvorig=\XKV@err
2230   \def\beamer@footarg{}%
2231   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2232   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2233   \setkeys{beamerfootnote}{#1}%
2234   \let\KV@errx=\beamer@kvorig%
2235   \let\XKV@errx=\beamer@xkvorig%
2236   \ifx\beamer@footarg\@empty%
2237     \def\beamer@next{\stepcounter\beamer@mpfn
2238       \protected@xdef\@thefnmark{\beamer@thempfn}%
2239       \@footnotemark\beamer@footnotetext#2}%
2240   \else%
2241     \def\beamer@next{%
2242       \begingroup
2243         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2244         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2245       \endgroup
2246       \@footnotemark\beamer@footnotetext#2}%
2247   \fi%
2248   \beamer@next}
2249
2250 \renewcommand<>{\RTLfootnote}[1] [] {%
2251   \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2252   \let\beamer@mpfn=\@mpfn%
2253   \let\beamer@thempfn=\thempfn%
2254   \let\beamer@kvorig=\KV@errx%
2255   \let\beamer@xkvorig=\XKV@err
2256   \def\beamer@footarg{}%
2257   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2258   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2259   \setkeys{beamerfootnote}{#1}%
2260   \let\KV@errx=\beamer@kvorig%
2261   \let\XKV@errx=\beamer@xkvorig%
2262   \ifx\beamer@footarg\@empty%
2263     \def\beamer@next{\stepcounter\beamer@mpfn
2264       \protected@xdef\@thefnmark{\beamer@thempfn}%
2265       \@footnotemark\beamer@RTLfootnotetext#2}%
2266   \else%
2267     \def\beamer@next{%
2268       \begingroup
2269         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2270         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%

```



```

2271 \endgroup
2272 \@footnotemark\beamer@RTLfootnotetext#2}%
2273 \fi%
2274 \beamer@next}
2275
2276 \renewcommand<>{\LTRfootnote}[1] [] {%
2277 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2278 \let\beamer@mpfn=\@mpfn%
2279 \let\beamer@thempfn=\thempfn%
2280 \let\beamer@kvorig=\KV@errx%
2281 \let\beamer@xkvorig=\XKV@err
2282 \def\beamer@footarg{}%
2283 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2284 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2285 \setkeys{beamerfootnote}{#1}%
2286 \let\KV@errx=\beamer@kvorig%
2287 \let\XKV@errx=\beamer@xkvorig
2288 \ifx\beamer@footarg\@empty%
2289 \def\beamer@next{\stepcounter\beamer@mpfn
2290 \protected@xdef\@thefnmark{\beamer@thempfn}%
2291 \@footnotemark\beamer@LTRfootnotetext#2}%
2292 \else%
2293 \def\beamer@next{%
2294 \begingroup
2295 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2296 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2297 \endgroup
2298 \@footnotemark\beamer@LTRfootnotetext#2}%
2299 \fi%
2300 \beamer@next}
2301
2302

```

19 File beamerbaselocalstructure-xetex-bidi.def

```

2303 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2304 \def\beamer@enum{%
2305 \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2306 \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2307 \bgroup
2308 \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2309 \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2310 \egroup
2311 \expandafter
2312 \list
2313 {\usebeamertemplate{\beamer@enumtempl}}
2314 {\usecounter\@enumctr%
2315 \def\makelabel##1{{\hss\llap{%
2316 \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2317 \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}}%
2318 \beamer@cramped%
2319 \bidi@beamer@ragged%
2320 \beamer@firstlineitemizeunskip%
2321 }

```




```

2322
2323 \renewcommand{\itemize}[1][\]{%
2324   \ifblank{#1}{\def\beamer@defaulttospec{#1}}%
2325   \ifnum \@itemdepth >2\relax\@toodeep\else
2326     \advance\@itemdepth\@ne
2327     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2328     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2329     \bgroup
2330     \usebeamercolor[fg]{itemize/enumerate \beameritemnestingprefix body}%
2331     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2332     \egroup
2333     \list
2334       {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2335       {\def\makelabel##1{%
2336         {%
2337           \hss\llap{%
2338             \usebeamerfont*{itemize \beameritemnestingprefix item}%
2339             \usebeamercolor[fg]{itemize \beameritemnestingprefix item}##1}}%
2340         }%
2341       }%
2342     }
2343   \fi%
2344   \beamer@cramped%
2345   \bidi@beamer@ragged%
2346   \beamer@firstlineitemizeunskip%
2347 }
2348
2349 \def\@@description{%
2350   \advance\beamer@descdefault by \labelsep%
2351   \usebeamerfont{description body}%
2352   \bgroup
2353   \usebeamercolor[fg]{description body}%
2354   \usebeamertemplate{description body begin}%
2355   \egroup
2356   \list
2357     {}
2358     {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2359     \beamer@cramped%
2360     \bidi@beamer@ragged
2361     \beamer@firstlineitemizeunskip%
2362 }
2363
2364 \renewenvironment{thebibliography}[1]
2365 {%\leavevmode\unskip%
2366 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2367 \bidi@@thebibliography@font@hook%
2368 \list{\@biblabel{\@arabic{c@enumiv}}}%
2369   {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2370   \leftmargin\labelwidth
2371   \advance\leftmargin\labelsep
2372   \itemsep=0pt%
2373   \partopsep=0pt%
2374   \topsep=0pt%
2375   \usecounter{enumiv}}%

```



```

2376         \let\p@enumiv\@empty
2377         \renewcommand\theenumiv{\@arabic\c@enumiv}
2378         \let\makelabel\beamer@biblabeltemplate}%
2379         \sloppy\bidibeamer@ragged
2380         \clubpenalty10000
2381         \@clubpenalty \clubpenalty
2382         \widowpenalty10000%
2383         \sfcode`\.\@m}
2384     {\def\@noitemerr
2385      {\@latex@warning{Empty `thebibliography' environment}}}%
2386     \ifhmode\unskip\fi\endlist}
2387
2388

```

20 File beamerinnerthemedefault-xetex-bidi.def

```

2389 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/07 v0.4 bidi adaptations for b
2390 \newcommand*{\bidibeamer@leftskip}{%
2391   \if@RTL
2392     \rightskip
2393   \else
2394     \leftskip
2395   \fi
2396 }
2397
2398 \newcommand*{\bidibeamer@rightskip}{%
2399   \if@RTL
2400     \leftskip
2401   \else
2402     \rightskip
2403   \fi
2404 }
2405
2406 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2407
2408 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2409
2410 \defbeamertemplate*{subsection in toc}{default}
2411 {\leavevmode\bidibeamer@leftskip=1.5em\inserttocsubsection\par}
2412
2413 \defbeamertemplate*{subsubsection in toc}{default}
2414 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidibeamer@leftskip=3em%
2415   \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2416
2417 \newcommand*{\bidibeamer@blacktriangle}{%
2418   \if@RTL
2419     $\blacktriangleleft$%
2420   \else
2421     $\blacktriangleright$%
2422   \fi
2423 }
2424
2425 \bidi@csundef{beamer@@tmpop@itemize item@default}
2426

```



```

2427 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2428
2429 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2430
2431 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\d
2432 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2433 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2434
2435 \bidi@undef\beamer@@tmpop@footnote@default
2436
2437 \defbeamertemplate*{footnote}{default}
2438 {
2439   \parindent 1em\noindent%
2440   \bidi@beamer@ragged
2441   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2442 }
2443
2444 \defbeamertemplate*{RTLfootnote}{default}
2445 {
2446   \parindent 1em\noindent%
2447   \raggedleft
2448   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2449 }
2450
2451 \defbeamertemplate*{LTRfootnote}{default}
2452 {
2453   \parindent 1em\noindent%
2454   \raggedright
2455   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2456 }
2457
2458 \bidi@undef\beamer@@tmpop@caption@default
2459
2460 \defbeamertemplate*{caption}{default}
2461 {%
2462   \bidi@beamer@ragged
2463   {%
2464     \leavevmode
2465     \usebeamercolor[fg]{caption name}%
2466     \usebeamerfont*{caption name}%
2467     \insertcaptionname
2468     \usebeamertemplate{caption label separator}%
2469   }%
2470   \insertcaption\par
2471 }
2472
2473 \bidi@csundef{beamer@@tmpop@block begin@default}
2474
2475 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2476
2477 \bidi@csundef{beamer@@tmpop@block example begin@default}
2478
2479 \defbeamertemplate*{block begin}{default}
2480 {

```



```

2481 \par\vskip\medskipamount%
2482 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2483   \usebeamerfont*{block title}\insertblocktitle%
2484 \end{beamercolorbox}%
2485 {\parskip0pt\par}%
2486 \ifbeamercoloreempty[bg]{block title}
2487 {}
2488 {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2489 \usebeamerfont{block body}%
2490 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2491   \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\basel
2492 }
2493
2494 \defbeamertemplate*{block alerted begin}{default}
2495 {
2496   \par\vskip\medskipamount%
2497   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2498     \usebeamerfont*{block title alerted}\insertblocktitle%
2499   \end{beamercolorbox}%
2500   {\parskip0pt\par}%
2501   \ifbeamercoloreempty[bg]{block title alerted}
2502   {}
2503   {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2504   \usebeamerfont{block body alerted}%
2505   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2506     \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2507 }
2508
2509 \defbeamertemplate*{block example begin}{default}
2510 {
2511   \par\vskip\medskipamount%
2512   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2513     \usebeamerfont*{block title example}\insertblocktitle%
2514   \end{beamercolorbox}%
2515   {\parskip0pt\par}%
2516   \ifbeamercoloreempty[bg]{block title example}
2517   {}
2518   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2519   \usebeamerfont{block body example}%
2520   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2521     \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2522 }
2523
2524

```

21 File beamerinnerthemecircles-xetex-bidi.def

```

2525 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2526 \setbeamertemplate{sections/subsections in toc}[circle]
2527

```

22 File beamerinnerthemerectangles-xetex-bidi.def

```

2528 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations fo

```



```

2529 \setbeamertemplate{sections/subsections in toc}[square]
2530 \setbeamertemplate{items}[square]
2531

```

23 File beamerinnerthemrounded-xetex-bidi.def

```

2532 \ProvidesFile{beamerinnerthemrounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
2533 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themrounded@shadow]
2534 \setbeamertemplate{items}[ball]
2535 \setbeamertemplate{sections/subsections in toc}[ball]
2536

```

24 File beamerouterthemedefault-xetex-bidi.def

```

2537 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for b
2538 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
2539
2540 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
2541
2542 \AtBeginDocument{%
2543   \if@RTLmain
2544     \setbeamertemplate{frametitle}[default] [right]
2545   \fi
2546 }
2547
2548

```

25 File beamerouterthemeinfolines-xetex-bidi.def

```

2549 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
2550 \bidi@csundef{beamer@tmpop@footline@infolines theme}
2551
2552 \defbeamertemplate*{footline}{infolines theme}
2553 {%
2554   \leavevmode%
2555   \hbox{%
2556     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
2557       \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b
2558     \end{beamercolorbox}}%
2559     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
2560       \usebeamerfont{title in head/foot}\insertshorttitle
2561     \end{beamercolorbox}}%
2562     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
2563       \hfill%
2564       \usebeamerfont{date in head/foot}%
2565       \insertshortdate{}%
2566       \hfill%
2567       \bgroup
2568       \usebeamerfont[fg]{page number in head/foot}%
2569       \usebeamerfont{page number in head/foot}%
2570       \usebeamertemplate{page number in head/foot}%
2571       \egroup
2572     \end{beamercolorbox}}}%
2573   \vskip0pt%

```



```

2574 }
2575
2576

```

26 File beamerouterthemeshadow-xetex-bidi.def

```

2577 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for be
2578 \AtBeginDocument{%
2579   \setbeamertemplate{frametitle}[shadow theme]%
2580 }
2581
2582

```

27 File beamerouterthemesidebar-xetex-bidi.def

```

2583 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for be
2584 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
2585
2586 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
2587
2588 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
2589
2590 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
2591
2592 \ifdim\beamer@headheight>0pt
2593
2594   \defbeamertemplate*{frametitle}{sidebar theme}
2595   {%
2596     \nointerlineskip%
2597     \ifbeamer@plainframe%
2598       \hbox{\usebeamercolor[bg]{frametitle}%
2599         \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
2600         \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
2601       \nointerlineskip%
2602     \fi%
2603     \vskip-\beamer@headheight%
2604     \vbox to \beamer@headheight{%
2605       \vfil
2606       \bidi@beamer@leftskip=-\beamer@leftmargin%
2607       \advance\bidi@beamer@leftskip by0.3cm%
2608       \bidi@beamer@rightskip=-\beamer@rightmargin%
2609       \advance\bidi@beamer@rightskip by0.3cm plus1fil%
2610       {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
2611       \ifx\insertframesubtitle\@empty\else%
2612         {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
2613       \fi%
2614       \vbox{}%
2615       \vskip-1em%
2616       \vfil
2617     }%
2618   }
2619
2620 \AtBeginDocument{%
2621   \setbeamertemplate{frametitle}[sidebar theme]%

```



```

2622 }
2623
2624 \defbeamertemplate*{headline}{sidebar theme}
2625 {%
2626   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
2627     \ifx\beamer@sidebarside\beamer@lefttext%
2628       \else%
2629         \hfill%
2630       \fi%
2631     \ifdim\beamer@sidebarwidth>0pt%
2632       \bgroup
2633       \usebeamercolor[bg]{logo}%
2634       \if@RTLmain
2635       \else
2636         \vrule width\beamer@sidebarwidth height \beamer@headheight%
2637         \hskip-\beamer@sidebarwidth%
2638       \fi
2639       \hbox to \beamer@sidebarwidth{\hss\vbox to
2640         \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
2641       \if@RTLmain
2642         \hskip-\beamer@sidebarwidth%
2643         \vrule width\beamer@sidebarwidth height \beamer@headheight%
2644       \fi
2645       \egroup
2646     \else%
2647       \vrule width0pt height \beamer@headheight%
2648     \fi%
2649   \end{beamercolorbox}
2650 }
2651 \fi
2652
2653 \def\beamer@sidebarformat#1#2#3{%
2654 \if@RTL
2655   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#2}
2656 \else
2657   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#2}
2658 \fi
2659   \vbox{#3}
2660   #3\par%
2661   \vbox{#3}
2662   \vskip-1.5ex%
2663 \end{beamercolorbox}
2664 }
2665
2666 \ifdim\beamer@sidebarwidth>0pt
2667
2668 \AtBeginDocument{%
2669   \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
2670 }
2671
2672 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
2673 {
2674   \beamer@tempdim=\beamer@sidebarwidth%
2675   \advance\beamer@tempdim by -6pt%

```



```

2676 { \usebeamerfont{title in sidebar}%
2677   \vskip1.5em%
2678   \hskip3pt%
2679   \bgroup
2680   \usebeamercolor[fg]{title in sidebar}%
2681   \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
2682   \vskip1.25em%
2683 }%
2684 {%
2685   \hskip3pt%
2686   \bgroup
2687   \usebeamercolor[fg]{author in sidebar}%
2688   \usebeamerfont{author in sidebar}%
2689   \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
2690   \vskip1.25em%
2691 }%
2692 \insertverticalnavigation{\beamer@sidebarwidth}%
2693 \vfill
2694 \ifx\beamer@sidebarside\beamer@lefttext%
2695 \else%
2696   \usebeamercolor{normal text}%
2697   \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
2698   \vskip2pt%
2699 \fi%
2700 }%
2701 \fi
2702

```

28 File beamerouterthemesplit-xetex-bidi.def

```

2703 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for be
2704 \bidi\csundef{beamer@tmpop@footline@split theme}
2705
2706 \defbeamertemplate*{footline}{split theme}
2707 {%
2708   \leavevmode%
2709   \hbox{\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,
2710     \usebeamerfont{author in head/foot}\insertshortauthor
2711     \end{beamercolorbox}}%
2712     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
2713       \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
2714       \end{beamercolorbox}}}%
2715     \vskip0pt%
2716 }
2717
2718

```

29 File beamerouterthemeshadow-xetex-bidi.def

```

2719 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for be
2720 \bidi\csundef{beamer@tmpop@frametitle@shadow theme}
2721
2722 \defbeamertemplate*{frametitle}{shadow theme}
2723 {%

```




```

2724 \nointerlineskip%
2725 \vskip-2pt%
2726 \hbox{\leavevmode
2727   \advance\beamer@leftmargin by -12bp%
2728   \advance\beamer@rightmargin by -12bp%
2729   \beamer@tempdim=\textwidth%
2730   \advance\beamer@tempdim by \beamer@leftmargin%
2731   \advance\beamer@tempdim by \beamer@rightmargin%
2732   \hskip-\Gm@lmargin\hbox{%
2733     \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
2734       \vbox{} \vskip-.75ex%
2735       \bidi@beamer@leftskip0.3cm%
2736       \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
2737       \bgroup\usebeamerfont[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle%
2738       \ifx\insertframesubtitle\empty\else%
2739         {\usebeamerfont*{framesubtitle}{\usebeamerfont[fg]{framesubtitle}\insertframesubtitle}%
2740       \fi%
2741       \nointerlineskip
2742       \vbox{}%
2743       \end{minipage}}%
2744     \beamer@tempdim=\ht\beamer@tempbox%
2745     \advance\beamer@tempdim by 2pt%
2746     \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
2747       \begin{pgfscope}
2748         \pgfsetfillcolor{black}%
2749         \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
2750         \pgfsetfading{beamer@topshadowmask}{}%
2751         \pgfusepath{fill}%
2752       \end{pgfscope}
2753       \begin{pgfscope}
2754         \usebeamerfont{frametitle right}%
2755         \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
2756         \pgfusepath{clip}%
2757         \pgftext[left,base]{\pgfuses shading{beamer@frametitleshade}}%
2758       \end{pgfscope}
2759     \end{pgfpicture}
2760     \hskip-\paperwidth%
2761     \box\beamer@tempbox%
2762   }%
2763   \hskip-\Gm@rmargin%
2764 }%
2765 \vskip-2pt
2766 }
2767
2768

```

30 File beamerthemeHannover-xetex-bidi.def

```

2769 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beamer]
2770 \AtBeginDocument{%
2771   \if@RTLmain
2772     \setbeamertemplate{frametitle}[default][left]%
2773   \else
2774     \setbeamertemplate{frametitle}[default][right]%

```



```

2775 \fi
2776 }
2777
2778

```

31 File bidi.sty

```

2779 \NeedsTeXFormat{LaTeX2e}
2780 \def\bididate{2022/06/07}
2781 \def\bidi@version{37.6}
2782 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
2783 Bidirectional typesetting in plain TeX and LaTeX]
2784 \edef\@bidi@info{*****^J%
2785 * ^J%
2786 * bidi package (Bidirectional typesetting in^J%
2787 * plain TeX and LaTeX, using XeTeX engine)^J%
2788 * ^J%
2789 * Description: A convenient interface for^J%
2790 * typesetting bidirectional texts in plain TeX^J%
2791 * and LaTeX. The package includes adaptations^J%
2792 * for use with many other commonly-used packages.^J%
2793 * ^J%
2794 * Copyright (c) 2007--2022 Vafa Khalighi^J%
2795 * Copyright (c) 2018--2020 bidi-tex GitHub organization^J%
2796 * ^J%
2797 * v\bidi@version, \bididate^J%
2798 * ^J%
2799 * License: LaTeX Project Public License, version^J%
2800 * 1.3c or higher (your choice)^J%
2801 * ^J%
2802 * Location on CTAN: /macros/xetex/latex/bidi^J%
2803 * ^J%
2804 * Issue tracker: https://github.com/kvafa/bidi/issues^J%
2805 * ^J%
2806 * Discussions: https://github.com/kvafa/bidi/discussions^J%
2807 * ^J%
2808 * Primary author of bidi package: Vafa Khalighi.^J%
2809 * ^J%
2810 *****}
2811 \typeout{\@bidi@info}
2812 \edef\bidi@everyjob{\the\everyjob}
2813 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
2814 \newcommand*\bidi@version{\ensuremath\bidi@version}
2815 \newcommand*\IfbidiPackageVersionLater}[1]{%
2816 \ifdim\bidi@version pt > #1 pt %
2817 \expandafter\@firstoftwo
2818 \else
2819 \expandafter\@secondoftwo
2820 \fi}
2821 \newcommand*\IfbidiPackageVersionBefore}[1]{%
2822 \ifdim\bidi@version pt < #1 pt %
2823 \expandafter\@firstoftwo
2824 \else
2825 \expandafter\@secondoftwo

```



```

2826 \fi}
2827 \newcommand*{\IfbidiPackageVersion}[1]{%
2828 \ifdim\bidi@version pt = #1 pt %
2829 \expandafter\@firstoftwo
2830 \else
2831 \expandafter\@secondoftwo
2832 \fi}
2833 \RequirePackage{iftex}
2834 \RequireXeTeX
2835 \RequirePackage{biditools}
2836 \RequirePackage{zref-abspage}
2837 \RequirePackage{auxhook}
2838 \RequirePackage{ltxcmds}
2839 \RequirePackage{xkeyval}
2840 \eqnewif{\if@RTLmain}{\if@rlmain}
2841 \eqnewif{\if@RTL}{\if@rl}
2842 \newif\if@nonlatin
2843 \newif\if@bidi@perpage@footnote
2844 \newcommand*{\setlatin}{\@nonlatinfalse}
2845 \newcommand*{\setnonlatin}{\@nonlatintrue}
2846 \eqnewif{\if@RTLtab}{\if@tab@rl}
2847 \newif\if@hboxRconstruct
2848 \newif\if@bidi@pdfencrypt
2849 \newcommand*{\setRTLtable}{\@RTLtabtrue}
2850 \newcommand*{\setLTRtable}{\@RTLtabfalse}
2851 \newif\if@bidi@pdfm@mark
2852 \newif\if@RTLMarginpar
2853 \newif\if@LTRmarginpar
2854 \newif\if@LTRbibitems
2855 \newif\if@RTLbibitems
2856 \newif\if@extrafootnote@features
2857 \newif\if@RTLcolumnfootnotes
2858 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
2859 \newif\if@bidi@list@minipage@parbox
2860 \newif\if@bidi@list@minipage@parbox@not@nob
2861 \newcommand*{\@bidi@pdfcreator}{%
2862 The bidi package, v\bidi@version, \bididate
2863 }
2864 \newcommand*{\@bidi@pdfproducer}{%
2865 The bidi package, v\bidi@version, \bididate
2866 }
2867 \newcommand*{\@bidi@pdfcustomproperties}{%
2868 This is the bidi package, Version \bidi@version,
2869 Released June 7, 2022.
2870 }
2871 \newcommand*{\bidi@beamer@ragged}{%
2872 \@RTLmainfalse
2873 \AtBeginDocument{%
2874 \if@RTLmain\else
2875 \if@RTL\@RTLmaintrue%
2876 \else\@RTLmainfalse%
2877 \fi%
2878 \fi%
2879 }

```



```

2880 \let\n@xt=\
2881 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
2882 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
2883 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
2884 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
2885 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
2886   \errmessage{Missing left brace has been substituted}\fi \bgroup}
2887 \newinsert\@bidi@copyins@
2888 \skip\@bidi@copyins@=12\p@
2889 \dimen\@bidi@copyins@=40pc
2890 \count\@bidi@copyins@=1000
2891 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
2892 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
2893   \ifRTLmain
2894     \iftwocolumn
2895       \hboxR to \columnwidth
2896     \else
2897       \hboxR to \textwidth
2898     \fi
2899   \else
2900     \iftwocolumn
2901       \hboxL to \columnwidth
2902     \else
2903       \hboxL to \textwidth
2904     \fi
2905   \fi
2906 }
2907 \newcommand*{\@bidi@logo}[1]{%
2908   \toks@{%
2909     \setbox\z@\hbox{%
2910       \special{%
2911         pdf:image width 50pt height 50pt (#1)%
2912       }
2913     }%
2914     \dp\z@\z@
2915     \ht\z@=50pt
2916     \wd\z@=50pt
2917     \beginL
2918       \lower20pt\box\z@
2919     \endL
2920   }%
2921   \the\toks@
2922 }
2923 \newcommand*{\@bidi@logo@}{%
2924   \@bidi@logo@hb@xt@columnwidth
2925   {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
2926     package\quad\@bidi@logo{bidi-logo.pdf}}}}
2927 \define@key{bidi@pdfencrypt}{userpassword}[]{%
2928   \def\bidi@pdfencrypt@userpassword{#1}%
2929 }
2930 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
2931   \def\bidi@pdfencrypt@ownerpassword{#1}%
2932 }
2933 \define@key{bidi@pdfencrypt}{keylength}[128]{%

```



```

2934 \def\bidi@pdfencrypt@keylength{#1}%
2935 }
2936 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
2937 \def\bidi@pdfencrypt@permissionflags{#1}%
2938 }
2939 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
2940 \@onlypreamble\pdfencryptsetup
2941 \input{latex-xetex-bidi.def}
2942 \input{loadingorder-xetex-bidi.def}
2943 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2944 \ifcase\bidi@tempb\relax
2945 \RTLtrue
2946 \or
2947 \RTLfalse
2948 \fi}
2949 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2950 \ifcase\bidi@tempb\relax
2951 \RTLtrue
2952 \or
2953 \RTLfalse
2954 \fi}
2955 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2956 \ifcase\bidi@tempb\relax
2957 \RTLtabtrue
2958 \or
2959 \RTLtabfalse
2960 \fi}
2961 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
2962 \ifcase\bidi@tempb\relax
2963 \@nonlatinfalse
2964 \or
2965 \@nonlatintrue
2966 \fi}
2967 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2968 \ifcase\bidi@tempb\relax
2969 \RTLtrue
2970 \or
2971 \RTLfalse
2972 \fi}
2973 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
2974 \ifcase\bidi@tempb\relax
2975 \autofootnoterule
2976 \or
2977 \leftfootnoterule
2978 \or
2979 \rightfootnoterule
2980 \or
2981 \SplitFootnoteRule
2982 \or
2983 \textwidthfootnoterule
2984 \fi}
2985 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2986 \ifcase\bidi@tempb\relax
2987 \RTL@footnotetrue

```



```

2988 \or
2989 \RTL@footnotefalse
2990 \fi}
2991 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2992 \ifcase\bidi@tempb\relax
2993 \footdir@debugtrue
2994 \or
2995 \footdir@debugfalse
2996 \fi}
2997 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2998 \ifcase\bidi@tempb\relax
2999 \@extrafootnotefeaturestrue
3000 \or
3001 \@extrafootnotefeaturesfalse
3002 \fi}
3003
3004 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3005 \ifcase\bidi@tempb\relax
3006 \def\bidi@firstcolumn@status@write{%
3007 \protected@write\@auxout{%
3008 \string\bidi@column@status
3009 {1}}}%
3010 \def\bidi@lastcolumn@status@write{%
3011 \protected@write\@auxout{%
3012 \string\bidi@column@status{2}}}%
3013 \or
3014 \let\bidi@firstcolumn@status@write\relax
3015 \let\bidi@lastcolumn@status@write\relax
3016 \fi}
3017
3018 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3019 \ifcase\bidi@tempb\relax
3020 \AtBeginDocument{\@bidi@inslogo}%
3021 \or
3022 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
3023 \fi}
3024
3025 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3026 \ifcase\bidi@tempb\relax
3027 \@bidi@pdfm@marktrue
3028 \or
3029 \@bidi@pdfm@markfalse
3030 \fi}
3031
3032 % The 'perpagefootnote' option is documented in UK TeX FAQ at
3033 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
3034
3035 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3036 \ifcase\bidi@tempb\relax
3037 \@bidi@perpage@footnotetrue
3038 \or
3039 \@bidi@perpage@footnotefalse
3040 \fi}
3041

```



```

3042 \ExecuteOptionsX{%
3043     DetectColumn=off%
3044 }
3045
3046 \ProcessOptionsX
3047
3048 \pdfencryptsetup{%
3049     userpassword,%
3050     ownerpassword,%
3051     keylength,%
3052     permissionflags%
3053 }
3054
3055 \if@extrafootnotefeatures
3056     \input{extrafootnotefeatures-xetex-bidi.def}
3057 \fi
3058 \newcount\bididigits
3059 \XeTeXinterchartokenstate=\@ne
3060 \newXeTeXintercharclass\bididigits@charclass
3061 \newXeTeXintercharclass\bidisepmark@charclass
3062 \XeTeXcharclass`\.\bidisepmark@charclass
3063 \XeTeXcharclass`\- \bidisepmark@charclass
3064 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3065 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3066 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3067 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
3068 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3069 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3070 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3071 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3072 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
3073 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3074 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3075 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3076 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3077 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
3078 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3079 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3080 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3081 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3082 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
3083 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3084 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3085 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3086 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3087 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
3088 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3089 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3090 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3091 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3092 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterCh
3093 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3094 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit
3095 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigit

```



```

3096      /Creator(\@bidi@pdfcreator)%
3097      /Producer(\@bidi@pdfproducer)%
3098      \fi
3099      /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
3100      \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
3101      /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
3102      }{}%
3103      >>%
3104      }%
3105 }

```

32 File bidi.tex

```

3106 \def\bididate{2022/06/07}
3107 \catcode`@=11
3108 \def\bidi@version{37.6}
3109 \let \protect \relax
3110 \newlinechar`^^J
3111 \edef\@bidi@info{*****^^J%
3112 * ^^J%
3113 * bidi package (Bidirectional typesetting in^^J%
3114 * plain TeX and LaTeX, using XeTeX engine)^^J%
3115 * ^^J%
3116 * Description: A convenient interface for^^J%
3117 * typesetting bidirectional texts in plain TeX^^J%
3118 * and LaTeX. The package includes adaptations^^J%
3119 * for use with many other commonly-used packages.^^J%
3120 * ^^J%
3121 * Copyright (c) 2007--2022 Vafa Khalighi^^J%
3122 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
3123 * ^^J%
3124 * v\bidi@version, \bididate^^J%
3125 * ^^J%
3126 * License: LaTeX Project Public License, version^^J%
3127 * 1.3c or higher (your choice)^^J%
3128 * ^^J%
3129 * Location on CTAN: /macros/xetex/latex/bidi^^J%
3130 * ^^J%
3131 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
3132 * ^^J%
3133 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
3134 * ^^J%
3135 * Primary author of bidi package: Vafa Khalighi.^^J%
3136 * ^^J%
3137 *****}
3138 \message{\@bidi@info}
3139 \edef\bidi@everyjob{\the\everyjob}
3140 \everyjob{\bidi@everyjob\message{\@bidi@info}}
3141 \def\bidi@version{%
3142   \relax
3143   \ifmmode
3144     \bidi@version
3145   \else
3146     $\bidi@version$

```




```

3147 \fi
3148 }
3149 \input iftex.sty
3150 \RequireXeTeX
3151 \newif\if@bidi@pdfm@mark
3152 \newif\if@RTLmain
3153 \newif\if@RTL
3154 \newif\if@hboxRconstruct
3155 \newif\if@sentsdir
3156 \newif\if@RTL@footnote
3157 \@RTLmainfalse
3158 \def\setRTLmain{%
3159   \if@RTLmain\else
3160     \if@RTL\@RTLmaintrue%
3161     \else\@RTLmainfalse%
3162     \fi%
3163   \fi%
3164 }
3165 \let\n@xt=\
3166 \protected\def\LRE{\protect\pLRE}%
3167 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
3168 \protected\def\RLE{\protect\pRLE}
3169 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
3170 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
3171   \errmessage{Missing left brace has been substituted}\fi \bgroup}
3172 \newinsert\@bidi@copyins@
3173 \skip\@bidi@copyins@=12\p@
3174 \dimen\@bidi@copyins@=40pc
3175 \count\@bidi@copyins@=1000
3176 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
3177 \def\@bidi@logo@hb@xt@{%
3178   \if@RTLmain
3179     \hboxR to
3180   \else
3181     \hboxL to
3182   \fi
3183 }
3184 \def\@bidi@logo#1{%
3185   \toks@{%
3186     \setbox\z@\hbox{%
3187       \special{%
3188         pdf:image width 50pt height 50pt (#1)%
3189       }
3190     }%
3191     \dp\z@\z@
3192     \ht\z@=50pt
3193     \wd\z@=50pt
3194     \beginL
3195       \lower20pt\box\z@
3196     \endL
3197   }%
3198   \the\toks@
3199 }
3200 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@

```



```

3201 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
3202 \def\@bidi@pdfcreator{%
3203   The bidi package, v\@bidi@version, \@bidi@date
3204 }
3205 \def\@bidi@pdfproducer{%
3206   The bidi package, v\@bidi@version, \@bidi@date
3207 }
3208 \def\@bidi@pdfcustomproperties{%
3209   This is the bidi package, Version \@bidi@version,
3210   Released June 7, 2022.
3211 }
3212 \def\@bidi@pdfm@mark{%
3213   \special{pdf:
3214     docinfo<<%
3215       \if\@bidi@pdfm@mark
3216         /Creator(\@bidi@pdfcreator)%
3217         /Producer(\@bidi@pdfproducer)%
3218         \fi
3219       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
3220       >>%
3221     }%
3222 }
3223 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
3224 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
3225 \input plain-xetex-bidi.def
3226 \@bidi@inslogo@
3227 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
3228 \catcode\@=12
3229 \bidi@pdfinfoon

```

33 File bidi2in1.sty

```

3230 \NeedsTeXFormat{LaTeX2e}
3231 \ProvidesPackage{bidi2in1}
3232 \pagestyle{plain}
3233 \newcount\evenpage
3234 \newcount\oddpag
3235 \twocolumn
3236 \def\@oddfoot{\evenpage=\thepage%
3237 \multiply\evenpage by 2%
3238 \oddpag=\the\evenpage%
3239 \advance\oddpag by -1%
3240 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
3241 \def\@evenfoot{\evenpage=\thepage%
3242 \multiply\evenpage by 2%
3243 \oddpag=\the\evenpage%
3244 \advance\oddpag by -1%
3245 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
3246 \textwidth 9.49in
3247 \textheight 6.7in
3248 \columnsep 0.9in
3249 \columnseprule 0.125pt
3250 \headheight 0cm
3251 \topmargin 0in

```



```

3252 \marginparwidth 0in
3253 \marginparsep 0in
3254 \hoffset 0.05in % Corrected
3255 \voffset -0.5in %top margin space is 1.0in by default
3256 \oddsidemargin 0in
3257 \evensidemargin 0in
3258 \headsep 0cm
3259 \topskip 0cm
3260 \parskip 0.15in %
3261 \headsep 0pt
3262 \special{papersize=11.69in,8.26in}
3263 \renewcommand\maketitle{\par
3264 \begingroup
3265 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
3266 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
3267 \long\def\@makefntext##1{\parindent 1em\noindent
3268 \hb@xt@1.8em{%
3269 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
3270 \@maketitle
3271 \@thanks
3272 \endgroup
3273 \setcounter{footnote}{0}%
3274 \global\let\thanks\relax
3275 \global\let\maketitle\relax
3276 \global\let\@maketitle\relax
3277 \global\let\@thanks\@empty
3278 \global\let\@author\@empty
3279 \global\let\@date\@empty
3280 \global\let\@title\@empty
3281 \global\let\title\relax
3282 \global\let\author\relax
3283 \global\let\date\relax
3284 \global\let\and\relax
3285 }

```

34 File bidicode.sty

```

3286 \NeedsTeXFormat{LaTeX2e}
3287 \ProvidesPackage{bidicode}
3288 \RequirePackage{xcolor}
3289 \RequirePackage{showexpl}
3290 \definecolor{hellgelb}{rgb}{1,1,0.85}
3291 \definecolor{colKeys}{rgb}{0,0,1}
3292 \definecolor{colIdentifier}{rgb}{0,0,0}
3293 \definecolor{colComments}{rgb}{1,0,0}
3294 \definecolor{colString}{rgb}{0,0.5,0}
3295 \lstset{
3296     language=[LaTeX]TEX,
3297     float=hb,
3298     basicstyle=\ttfamily\small,
3299     identifierstyle=\color{colIdentifier},
3300     keywordstyle=\color{colKeys},
3301     stringstyle=\color{colString},
3302     commentstyle=\color{colComments},

```



```

3303     backgroundcolor=\color{hellgelb},
3304     columns=flexible,
3305     tabsize=4,
3306     extendedchars=true,
3307     showspaces=false,
3308     showstringspaces=false,
3309     numbers=left,
3310     numbersep=0.9em,
3311     numberstyle=\tiny, %
3312     frame=single,
3313     captionpos=b,
3314     xleftmargin=1em,
3315     breaklines=true,
3316     breakautoindent=false,
3317     breakindent=0pt,
3318     escapeinside=**,
3319     pos=r,
3320     explpreset={%
3321     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
3322     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
3323 }
3324 \newcommand\HLON{%
3325   \gdef\lst@alloverstyle##1{%
3326     \fboxrule=0pt
3327     \fboxsep=0pt
3328     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
3329 }}
3330 \newcommand\HLOFF{%
3331   \xdef\lst@alloverstyle##1{##1}%
3332 }
3333 \newcommand\Larg [1]{\{\normalfont\itshape#1\}/}
3334 \newcommand\Larga[1]{\$\langle$\Larg{#1}$\rangle$}
3335 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
3336 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
3337 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
3338 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb}
3339 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb}
3340
3341 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
3342 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\{}}
3343 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`\}}
3344 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[}
3345 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily]}}
3346 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily(}
3347 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily)}}
3348
3349 \def\Lcs#1{\nxLcs{#1}}
3350 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
3351 \def\nxLcs#1{\texttt{\symbol{92}#1}}
3352
3353 \def\Coordx#1{$x_{#1}$}
3354 \def\Coordy#1{$y_{#1}$}
3355 \def\Coordz#1{$z_{#1}$}
3356 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}

```



```

3357 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
3358 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
3359 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
3360 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
3361 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
3362 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
3363 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
3364 \def\coordx#1{(\$_{#1}$)}
3365 \def\coordy#1{(\$_{#1}$)}
3366 \def\coordz#1{(\$_{#1}$)}
3367 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
3368 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
3369
3370 \newsavebox{\boxdef}
3371 \newenvironment{BDef}
3372   {\begin{lrbox}\boxdef
3373     \def\arraystretch{1.0}
3374     \begin{tabular}{@{}l@{}l@{}l@{}}
3375   }
3376   {\end{tabular}\end{lrbox}}
3377
3378   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
3379   \aftergroup\@afterindentfalse\aftergroup\@afterheading
3380 }
3381
3382 \newenvironment{BDef*}
3383   {\begin{lrbox}\boxdef
3384     \def\arraystretch{1.0}
3385     \begin{tabular}{@{}l@{}l@{}l@{}}
3386   }
3387   {\end{tabular}\end{lrbox}}
3388   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
3389   \aftergroup\@afterindentfalse\aftergroup\@afterheading
3390 }
3391 \newenvironment{BCmd}{
3392   \@beginparpenalty-\@lowpenalty
3393   \topsep\BDefaboveskip
3394   \fbboxsep3pt
3395   \flushleft}
3396 {\@endparpenalty\@M
3397   \@topsepadd\BDefbelowskip
3398   \endflushleft}
3399
3400 \newenvironment{BCmd*}{
3401   \@beginparpenalty\@M
3402   \topsep\BDefinlineskip
3403   \fbboxsep3pt
3404   \flushleft}
3405 {\@endparpenalty5000
3406   \endflushleft}
3407
3408 \newskip\BDefaboveskip
3409 \newskip\BDefbelowskip
3410 \newskip\BDefinlineskip

```



```

3411 \setlength\BDefaboveskip{10pt plus 4pt}
3412 \setlength\BDefbelowskip{6pt}
3413 \setlength\BDefinlineskip{6pt}
3414
3415 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
3416 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
3417 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
3418 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

35 File bidiftnxtra.sty

```

3419 \NeedsTeXFormat{LaTeX2e}
3420 \ProvidesPackage{bidiftnxtra}
3421 \newtoks\bidip@ftn
3422 \let\FN@sffootnote\footnote
3423 \let\FN@sffootnote\LTRfootnote
3424 \let\FN@sffootnote\RTLfootnote
3425 \def\footnote{\ifx\protect\@typeset@protect
3426   \expandafter\FN@sffootnote
3427   \else
3428   \expandafter\FN@sfgobble@opt
3429   \fi
3430 }
3431 \def\LTRfootnote{\ifx\protect\@typeset@protect
3432   \expandafter\FN@sffootnote
3433   \else
3434   \expandafter\FN@sfgobble@opt
3435   \fi
3436 }
3437 \def\RTLfootnote{\ifx\protect\@typeset@protect
3438   \expandafter\FN@sffootnote
3439   \else
3440   \expandafter\FN@sfgobble@opt
3441   \fi
3442 }
3443 \edef\FN@sfgobble@opt{\noexpand\protect
3444   \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
3445 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
3446   \@ifnextchar[%]
3447     \FN@sfgobble@twobracket
3448     \@gobble
3449 }
3450 \def\FN@sfgobble@twobracket[#1]#2{}
3451 \let\FN@sffootnotemark\footnotemark
3452 \def\footnotemark{\ifx\protect\@typeset@protect
3453   \expandafter\FN@sffootnotemark
3454   \else
3455   \expandafter\FN@sfgobble@optonly
3456   \fi
3457 }
3458 \edef\FN@sfgobble@optonly{\noexpand\protect
3459   \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
3460 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
3461   \@ifnextchar[%]

```



```

3462 \FN@sfgobble@bracket
3463 {}%
3464 }
3465 \def\FN@sfgobble@bracket[#1]{%
3466 \def\@tabular{%
3467 \leavevmode \hbox \bgroup
3468 \let\@footnotetext\@bidi@p@ftntext
3469 \let\@LTRfootnotetext\@bidi@p@LTRftntext
3470 \let\@RTLfootnotetext\@bidi@p@RTLftntext
3471 \let\@xfootnotenext\@bidi@p@xftntext
3472 \let\@xfootnote\@bidi@p@xfootnote
3473 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
3474 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
3475 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
3476 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
3477 \if@RTLtab\beginR \fi
3478 $\let\@acol\@tabacol
3479 \let\@classz\@tabclassz
3480 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
3481 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
3482 \egroup $\if@RTLtab\endR\fi\egroup
3483 \ifx\@cptype\@undefined
3484 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
3485 \long\def\@bidi@p@ftntext#1{%
3486 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
3487 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
3488 \long\def\@bidi@p@LTRftntext#1{%
3489 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
3490 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
3491 \long\def\@bidi@p@RTLftntext#1{%
3492 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
3493 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
3494
3495
3496 \long\def\@bidi@p@xftntext[#1]#2{%
3497 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
3498
3499 \long\def\@bidi@p@xLTRftntext[#1]#2{%
3500 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
3501
3502 \long\def\@bidi@p@xRTLftntext[#1]#2{%
3503 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
3504
3505
3506 \def\@bidi@p@xfootnote[#1]{%
3507 \begingroup
3508 \csname c@\@mpfn\endcsname #1\relax
3509 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3510 \endgroup
3511 \@footnotemark\@bidi@p@xftntext[#1]}
3512
3513
3514 \def\@bidi@p@xLTRfootnote[#1]{%
3515 \begingroup

```



```

3516     \csname c@\@mpfn\endcsname #1\relax
3517     \unrestored@protected@xdef\@thefnmark{\thempfn}%
3518   \endgroup
3519   \@footnotemark\@bidi@p@xLTRftntext[#1]}
3520
3521
3522 \def\@bidi@p@xRTLfootnote[#1]{%
3523   \begingroup
3524     \csname c@\@mpfn\endcsname #1\relax
3525     \unrestored@protected@xdef\@thefnmark{\thempfn}%
3526   \endgroup
3527   \@footnotemark\@bidi@p@xRTLftntext[#1]}
3528
3529 \def\@xfloat #1[#2]{%
3530   \@nocument
3531   \def \@capttype {#1}%
3532   \def \@fps {#2}%
3533   \@onelevel@sanitize \@fps
3534   \def \reserved@a {!}%
3535   \ifx \reserved@a \@fps
3536     \@fpsadddefault
3537   \else
3538     \ifx \@fps \@empty
3539       \@fpsadddefault
3540     \fi
3541   \fi
3542   \ifhmode
3543     \@bsphack
3544     \@floatpenalty -\@Mii
3545   \else
3546     \@floatpenalty-\@Miii
3547   \fi
3548   \ifinner
3549     \@parmoderr\@floatpenalty\z@
3550   \else
3551     \@next\@currbox\@freelist
3552     {%
3553       \@tempcnta \sixt@@n
3554       \expandafter \@tfor \expandafter \reserved@a
3555       \expandafter :\expandafter =\@fps
3556     \do
3557       {%
3558         \if \reserved@a h%
3559           \ifodd \@tempcnta
3560             \else
3561               \advance \@tempcnta \@ne
3562             \fi
3563           \if \reserved@a t%
3564             \setfpsbit \tw@
3565           \fi
3566           \if \reserved@a b%
3567             \setfpsbit 4%
3568           \fi
3569

```




```

3570         \if \reserved@a p%
3571             \setfpsbit 8%
3572         \fi
3573         \if \reserved@a !%
3574             \ifnum \@tempcnta>15
3575                 \advance\@tempcnta -\sixt@@n\relax
3576             \fi
3577         \fi
3578     }%
3579     \@tempcntb \csname ftype@\@capttype \endcsname
3580     \multiply \@tempcntb \@xxxii
3581     \advance \@tempcnta \@tempcntb
3582     \global \count\@currbox \@tempcnta
3583     }%
3584     \@fltovf
3585 \fi
3586 \global \setbox\@currbox
3587     \color@vbox
3588     \normalcolor
3589     \vbox \bgroup
3590         \let\@footnotetext\bidip@p@ftntext
3591         \let\@LTRfootnotetext\bidip@p@LTRftntext
3592         \let\@RTLfootnotetext\bidip@p@RTLftntext
3593         \let\@xfootnotenext\bidip@p@xftntext
3594         \let\@xfootnote\bidip@p@xfootnote
3595         \let\@xLTRfootnotenext\bidip@p@xLTRftntext
3596         \let\@xLTRfootnote\bidip@p@xLTRfootnote
3597         \let\@xRTLfootnotenext\bidip@p@xRTLftntext
3598         \let\@xRTLfootnote\bidip@p@xRTLfootnote
3599         \hsize\columnwidth
3600         \@parboxrestore
3601         \@floatboxreset
3602 }
3603 \def \@endfloatbox{%
3604     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
3605     \@minipagefalse
3606     \outer@nobreak
3607     \egroup                %% end of vbox
3608     \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn
3609     \color@endbox
3610 }

```

36 File bidimoderncv.cls

```

3611 \NeedsTeXFormat{LaTeX2e}
3612 \ProvidesClass{bidimoderncv}
3613 \newif\if@DEBUG\@DEBUGfalse
3614 \DeclareOption{a4paper}{
3615     \setlength\paperheight{297mm}
3616     \setlength\paperwidth{210mm}}
3617 \DeclareOption{a5paper}{
3618     \setlength\paperheight{210mm}
3619     \setlength\paperwidth{148mm}}
3620 \DeclareOption{b5paper}{

```



```

3621 \setlength\paperheight{250mm}
3622 \setlength\paperwidth{176mm}}
3623 \DeclareOption{letterpaper}{
3624   \setlength\paperheight{11in}
3625   \setlength\paperwidth{8.5in}}
3626 \DeclareOption{legalpaper}{
3627   \setlength\paperheight{14in}
3628   \setlength\paperwidth{8.5in}}
3629 \DeclareOption{executivepaper}{
3630   \setlength\paperheight{10.5in}
3631   \setlength\paperwidth{7.25in}}
3632 \DeclareOption{landscape}{
3633   \setlength\@tempdima{\paperheight}
3634   \setlength\paperheight{\paperwidth}
3635   \setlength\paperwidth{\@tempdima}}
3636 \newcommand\@ptsize{}
3637 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
3638 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
3639 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
3640 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
3641 \DeclareOption{final}{\setlength\overfullrule{0pt}}
3642 \newif\if@colour\@colourtrue
3643 \DeclareOption{nocolour}{\@colourfalse}
3644 \ExecuteOptions{a4paper,11pt,colour,final}
3645 \ProcessOptions\relax
3646 \input{size1\@ptsize.clo}
3647 \RequirePackage{color}
3648 \RequirePackage{graphicx}
3649 \RequirePackage{ifthen}
3650 \RequirePackage{marvosym}
3651 \addtolength{\oddsidemargin}{-54pt}
3652 \addtolength{\textwidth}{109pt}
3653 \addtolength{\topmargin}{-70pt}
3654 \addtolength{\textheight}{122pt}
3655 \addtolength{\marginparsep}{-5pt}
3656 \addtolength{\marginparwidth}{-10pt}
3657 \RequirePackage{url}
3658 \RequirePackage{hyperref}
3659 \hypersetup{
3660   breaklinks,
3661   baseurl      = http://,%
3662   pdfborder    = 0 0 0,%
3663   pdfpagemode  = UseNone,%
3664   pdfstartpage = 1}
3665 \AtEndOfClass{
3666   \AtBeginDocument{
3667     \hypersetup{
3668       pdfauthor      = \@firstname~\@familyname,%
3669       pdftitle       = \@title,%
3670       pdfsubject     = \@firstname~\@familyname,%
3671       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
3672 \urlstyle{tt}
3673 \RequirePackage{fancyhdr}
3674 \fancypagestyle{plain}{%

```



```

3675 \renewcommand{\headrulewidth}{0pt}
3676 \renewcommand{\footrulewidth}{0pt}
3677 \fancyhf{}
3678 \pagestyle{plain}
3679 \setlength\lineskip{1\p@}
3680 \setlength\normallineskip{1\p@}
3681 \renewcommand\baselinestretch{}
3682 \setlength{\parindent}{0pt}
3683 \setlength{\parskip}{0pt}
3684 \setlength\columnsep{10\p@}
3685 \setlength\columnseprule{0\p@}
3686 \pagestyle{empty}
3687 \pagenumbering{arabic}
3688 \raggedbottom
3689 \onecolumn
3690 \providecommand*\listitemsymbol{\textbullet}
3691 \providecommand*\addresssymbol{}
3692 \providecommand*\mobilesymbol{\Mobilefone}
3693 \providecommand*\phonesymbol{\Telefon}
3694 \providecommand*\faxsymbol{\FAX}
3695 \providecommand*\emailsymbol{\Letter}
3696 \definecolor{firstnamecolor}{rgb}{0,0,0}
3697 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
3698 \def\familynamcolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
3699 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
3700 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
3701 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
3702 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
3703 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
3704 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
3705 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
3706 \providecommand*\firstnamefont{}
3707 \providecommand*\familynamefont{}
3708 \providecommand*\titlefont{}
3709 \providecommand*\addressfont{}
3710 \providecommand*\quoteftfont{}
3711 \providecommand*\sectionfont{}
3712 \providecommand*\subsectionfont{}
3713 \providecommand*\hintfont{\small}
3714 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1}}
3715 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1}}
3716 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1}}
3717 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1}}
3718 \providecommand*\quotestyle[1]{\{\@quoteftfont\@quotecolour#1}}
3719 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1}}
3720 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1}}
3721 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1}}
3722 \newcommand*\cvtheme{2} [] {
3723   \def\@cvtheme{#2}
3724   \def\@cvthemeoptions{#1}}
3725 \cvtheme{bidi-casual}
3726 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
3727 \newcommand*\resumename[1]{\def\@resumename{#1}}
3728 \newcommand*\firstname[1]{\def\@firstname{#1}}

```



```

3729 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
3730 \renewcommand*{\title}[1]{\def\@title{#1}}
3731 \newcommand*{\address}[1]{\def\@address{#1}}
3732 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
3733 \newcommand*{\phone}[1]{\def\@phone{#1}}
3734 \renewcommand*{\fax}[1]{\def\@fax{#1}}
3735 \newcommand*{\email}[1]{\def\@email{#1}}
3736 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
3737 \def\@photowidth{0pt}
3738 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
3739 \newcommand*{\quote}[1]{\def\@quote{#1}}
3740 \newlength{\quotewidth}
3741 \newlength{\hintscolumnwidth}
3742 \newlength{\separatorcolumnwidth}
3743 \setlength{\separatorcolumnwidth}{0.025\textwidth}
3744 \newlength{\maincolumnwidth}
3745 \newlength{\doubleitemmaincolumnwidth}
3746 \newlength{\listitemsymbolwidth}
3747 \settoheight{\listitemsymbolwidth}{\listitemsymbol{}}
3748 \newlength{\listitemmaincolumnwidth}
3749 \newlength{\listdoubleitemmaincolumnwidth}
3750 \newcommand*{\recomputethemelengths}{}
3751 \newcommand*{\recomputelengths}{%
3752 \setlength{\quotewidth}{0.65\textwidth}%
3753 \setlength{\maincolumnwidth}{\textwidth}%
3754 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
3755 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
3756 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
3757 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
3758 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
3759 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
3760 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
3761 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
3762 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
3763 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
3764 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
3765 \renewcommand{\headwidth}{\textwidth}%
3766 \recomputethemelengths}
3767 \setlength{\hintscolumnwidth}{0.15\textwidth}
3768 \recomputelengths
3769 \title{}
3770 \renewcommand*{\maketitle}{}
3771 \newcommand*{\section}[1]{%
3772 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
3773 \phantomsection}%
3774 \addcontentsline{toc}{part}{#1}%
3775 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
3776 \hspace{\separatorcolumnwidth}%
3777 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
3778 \newcommand*{\subsection}[1]{%
3779 \cvline[0.45em]{\subsectionstyle{#1}}
3780 \newcommand*{\cvline}[3][.25em]{%
3781 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
3782 \bidi@raggedleft\hintfont{#2} &{#3}%

```



```

3783 \end{tabular}\[\#1]}
3784 \newcommand*{\cvdoubleitem}[4]{%
3785 \cvline{\#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}\#2\end{minipage}}%
3786 \hfill%
3787 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{\#3}\end{minipage}\hspace*{\
3788 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
3789 \cvline[Opt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}\#2\end{minipage}}%
3790 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
3791 \cvline[Opt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#2\end{minipage}}%
3792 \hfill%
3793 \ifthenelse{\equal{\#3}{}}{%
3794 {}%
3795 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#3\end{minipage}}}%
3796 \newcommand*{\cventry}[6]{%
3797 \cvline{\#1}{%
3798 {\bfseries\#2}%
3799 \ifx\#3\else{, {\slshape\#3}}\fi%
3800 \ifx\#4\else{, \#4}\fi%
3801 \ifx\#5\else{, \#5}\fi%
3802 .%
3803 \ifx\#6\else{\newline}\begin{minipage}[t]{\linewidth}\small\#6\end{minipage}}\fi
3804 }%
3805 \newcommand*{\cvlanguage}[3]{%
3806 \cvline{\#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{\#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}}%
3807 \newcommand*{\cvcomputer}[4]{%
3808 \cvdoubleitem{\#1}{\small\#2}{\#3}{\small\#4}}
3809 \newcommand*{\link}[2][{}]{%
3810 \ifthenelse{\equal{\#1}{}}{%
3811 {\href{\#2}{\#2}}%
3812 {\href{\#2}{\#1}}}%
3813 \newcommand*{\httplink}[2][{}]{%
3814 \ifthenelse{\equal{\#1}{}}{%
3815 {\href{http://\#2}{\#2}}%
3816 {\href{http://\#2}{\#1}}}%
3817 \newcommand*{\emailink}[2][{}]{%
3818 \ifthenelse{\equal{\#1}{}}{%
3819 {\href{mailto:\#2}{\#2}}%
3820 {\href{mailto:\#2}{\#1}}}%
3821 \newif\if@displaypagenumbers\@displaypagenumberstrue
3822 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
3823 \AtBeginDocument{%
3824 \if@displaypagenumbers%
3825 \ifundefined{r@lastpage}{\%
3826 \ifthenelse{\pageref{lastpage} > 1}{%
3827 \fancypagestyle{plain}{%
3828 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
3829 \pagestyle{plain}}}%
3830 \AtEndDocument{\label{lastpage}}%
3831 \fi}
3832 \newlength{\bibindent}
3833 \setlength{\bibindent}{1.5em}
3834 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
3835 \newenvironment{thebibliography}[1]{%
3836 {}

```



```

3837 \section{\refname}%
3838 \small%
3839 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
3840 \bidi@thebibliography@font@hook%
3841 \begin{list}{\bibliographyitemlabel}%
3842   {%
3843     \setlength{\topsep}{0pt}%
3844     \setlength{\labelwidth}{\hintscolumnwidth}%
3845     \setlength{\labelsep}{\separatorcolumnwidth}%
3846     \leftmargin\labelwidth%
3847     \advance\leftmargin\labelsep%
3848     \openbib@code%
3849     \usecounter{enumiv}%
3850     \let\p@enumiv\@empty%
3851     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
3852     \sloppy\clubpenalty4000\widowpenalty4000%
3853   }%
3854   {%
3855     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
3856     \end{list}%
3857   }
3858 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
3859 \let\openbib@code\@empty

```

37 File bidi-perpage.sty

```

3860 \NeedsTeXFormat{LaTeX2e}
3861 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
3862 \newcount\bidi@page@count
3863 \bidi@page@count\@ne
3864 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
3865   \if@bidi@csundef\bidi@stepcounterhook@#2}{%
3866     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{}%
3867   }{%
3868     \if@bidi@csundef\if@bidi@reset@#2\rerun}{%
3869       \expandafter\newif\csname if@bidi@reset@#2\rerun\endcsname
3870     }{%
3871       \if@bidi@csundef\bidi@#2@count}{%
3872         \expandafter\newcount\csname bidi@#2@count\endcsname
3873       }{%
3874         \csname bidi@#2@count\endcsname\z@
3875         \if@bidi@csundef\bidi@previous@page@#2@count}{%
3876           \expandafter\newcount\csname
3877             bidi@previous@page@#2@count\endcsname
3878         }{%
3879           \csname bidi@previous@page@#2@count\endcsname\z@
3880         \if@bidi@csundef\bidi@reset@#2@perpage}{%
3881           \bidi@AfterEndDocumentCheckLabelsRerun{%
3882             \csname if@bidi@reset@#2\rerun\endcsname
3883             \PackageWarningNoLine{bidi-perpage}{%
3884               Counter `#2' may not have been reset per page.
3885               Rerun to reset counter `#2' per page%
3886             }%
3887           \fi

```



```

3888 }%
3889 }{}%
3890 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
3891   \global\advance\csname bidi@#2@count\endcsname\@ne
3892   \if@filesw
3893     \edef\@tempa{%
3894       \write\@auxout{%
3895         \string\bidi@counter@page{#2}%
3896         {\number\csname bidi@#2@count\endcsname}%
3897         {\noexpand\number\noexpand\bidi@page@count}%
3898       }%
3899     }%
3900     \@tempa
3901   \fi
3902   \begingroup\expandafter\expandafter\expandafter\endgroup
3903   \expandafter\ifx\csname bidi@#2@@\number\csname
3904     bidi@#2@count\endcsname\endcsname\relax
3905     \global\csname @bidi@reset@#2@reruntrue\endcsname
3906   \else
3907     \global\csname @bidi@reset@#2@rerunfalse\endcsname
3908     \expandafter\@tempcnta\csname bidi@#2@@\number
3909     \csname bidi@#2@count\endcsname\endcsname\relax
3910     \ifnum\@tempcnta=\csname
3911       bidi@previous@page@@#2@count\endcsname
3912     \else
3913       \global\csname
3914         bidi@previous@page@@#2@count\endcsname\@tempcnta
3915       \global\csname c@#2\endcsname#1\relax
3916     \fi
3917   \fi
3918 }%
3919 \expandafter\bidi@gappto\csname
3920   bidi@stepcounterhook@@#2\endcsname{%
3921   \csname bidi@reset@#2@perpage\endcsname
3922 }%
3923 }
3924 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@#2}{#3}}
3925 \bidi@AtEndOutputPage{%
3926   \global\advance\bidi@page@count\@ne
3927 }

```

38 File biditools.sty

```

3928 \NeedsTeXFormat{LaTeX2e}
3929 \ProvidesPackage{biditools}[2022/06/06 v2.2 Programming tools for bidi package]
3930 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
3931   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
3932   \ifx\@tempa\@tempb \global\let#2#1%
3933   \else
3934     \edef\@tempb{\meaning#2}%
3935     \ifx\@tempa\@tempb
3936     \else
3937       \@latex@error{Unable to properly define \string#2; primitive
3938       \noexpand#1no longer primitive}\@eha

```



```

3939 \fi
3940 \fi
3941 \endgroup}
3942 \newtoks\@bidi@envbody
3943 \newtoks\@bidi@emptytoks
3944 \def\@bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
3945 \def\@bidi@collect@body#1{%
3946 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
3947 \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
3948 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
3949 \begingroup
3950 \expandafter\let\csname\@currentvir\endcsname\@bidi@collect@@body
3951 \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
3952 \bidi@process@envbody
3953 }
3954 \def\@bidi@push@begins#1\begin#2{%
3955 \ifx\end#2\else b\expandafter\@bidi@push@begins\fi
3956 }
3957 \def\@bidi@collect@@body#1\end#2{%
3958 \edef\begin@bidi@stack{\@bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
3959 \ifx\@empty\begin@bidi@stack
3960 \endgroup
3961 \@checkend{#2}%
3962 \bidi@addto@envbody{#1}%
3963 \else
3964 \bidi@addto@envbody{#1\end{#2}}%
3965 \fi
3966 \bidi@process@envbody % A little tricky! Note the grouping
3967 }
3968 \long\def\@bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
3969 \long\def\@bidi@collect@long@body#1{%
3970 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
3971 \edef\@bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
3972 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
3973 \begingroup
3974 \expandafter\let\csname\@currentvir\endcsname\@bidi@collect@long@@body
3975 \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
3976 \bidi@process@envbody
3977 }
3978 \long\def\@bidi@push@long@begins#1\begin#2{%
3979 \ifx\end#2\else b\expandafter\@bidi@push@long@begins\fi
3980 }
3981 \long\def\@bidi@collect@long@@body#1\end#2{%
3982 \edef\begin@bidi@stack{\@bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
3983 \ifx\@empty\begin@bidi@stack
3984 \endgroup
3985 \@checkend{#2}%
3986 \bidi@addto@long@envbody{#1}%
3987 \else
3988 \bidi@addto@long@envbody{#1\end{#2}}%
3989 \fi
3990 \bidi@process@envbody % A little tricky! Note the grouping
3991 }
3992 \long\def\@bidi@new@ifnextchar#1#2#3{%

```




```

3993 \let\reserved@d= #1%
3994 \def\reserved@a{#2}\def\reserved@b{#3}%
3995 \futurelet\@let@token\@let@new@ifnch
3996 }
3997 \def\@let@new@ifnch{%
3998 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
3999 \reserved@b
4000 }
4001 \def\@matrix@check#1{%
4002 \expandafter\ifx\csname\@currentenv\endcsname#1%
4003 \else\@matrix@error#1%
4004 \expandafter\@gobble
4005 \fi
4006 }
4007 \def\@matrix@error#1{%
4008 \PackageError{biditools}{%
4009 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
4010 }{%
4011 '\string#1{...}' is old bidi package syntax whose use is
4012 ill-advised in the old versions of bidi package.%
4013 }%
4014 }
4015 \def\@tagsextension{clo}
4016 \def\@definitionfileextension{def}
4017 \def\@texfileextension{tex}
4018 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
4019 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
4020 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
4021 \def\eqnewif#1#2{%
4022 \count@\escapechar \escapechar\m@ne
4023 \let#1\iffalse
4024 \let#2\iffalse
4025 \eq@if#1#2\iftrue
4026 \eq@if#1#2\iffalse
4027 \escapechar\count@}
4028 \def\eq@if#1#2#3{%
4029 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
4030 \expandafter\@gobbletwo\string#3\endcsname
4031 {\let#1#3%
4032 \let#2#3}%
4033 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
4034 \expandafter\@gobbletwo\string#3\endcsname
4035 {\let#2#3%
4036 \let#1#3}}
4037 \newcommand*{\SetBoolean}[2]{%
4038 \lowercase{\def\@tempa{#2}}%
4039 \@ifundefined{\@tempswa\@tempa}%
4040 {\PackageError{biditools}%
4041 {You can only set a boolean to `true' or `false'}\@ehc}%
4042 {\@ifundefined{#1\@tempa}%
4043 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
4044 {\csname#1\@tempa\endcsname}}}%
4045 \newcommand*{\GlobalSetBoolean}[2]{%
4046 \lowercase{\def\@tempa{#2}}%

```



```

4047 \ifundefined{@tempwa\@tempa}%
4048 {\PackageError{biditools}%
4049   {You can only set a boolean to `true' or `false'}\@ehc}%
4050 {\ifundefined{#1\@tempa}%
4051   {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
4052   {\global\csname#1\@tempa\endcsname}}}
4053 \newcommand*{\SetatBoolean}[2]{%
4054   \lowercase{\def\@tempa{#2}}%
4055   \ifundefined{@tempwa\@tempa}%
4056     {\PackageError{biditools}%
4057       {You can only set a boolean to `true' or `false'}\@ehc}%
4058     {\ifundefined{#1\@tempa}%
4059       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
4060       {\csname @#1\@tempa\endcsname}}}
4061 \newcommand*{\GlobalSetatBoolean}[2]{%
4062   \lowercase{\def\@tempa{#2}}%
4063   \ifundefined{@tempwa\@tempa}%
4064     {\PackageError{biditools}%
4065       {You can only set a boolean to `true' or `false'}\@ehc}%
4066     {\ifundefined{#1\@tempa}%
4067       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
4068       {\global\csname @#1\@tempa\endcsname}}}
4069 \def\@bidi@removefromreset#1#2{%
4070   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
4071   \def\@elt##1{%
4072     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
4073       \else
4074         \noexpand\@elt{##1}%
4075       \fi}%
4076   \expandafter\xdef\csname cl@#2\endcsname{%
4077     \csname cl@#2\endcsname}}
4078 \newcommand*{\ifRtoL}{%
4079   \if@RTL
4080     \expandafter\@firstoftwo
4081   \else
4082     \expandafter\@secondoftwo
4083   \fi}
4084 \newcommand*{\ifLtoR}{%
4085   \if@RTL
4086     \expandafter\@secondoftwo
4087   \else
4088     \expandafter\@firstoftwo
4089   \fi}
4090 \newcommand*{\ifRtoLtable}{%
4091   \if@RTLtab
4092     \expandafter\@firstoftwo
4093   \else
4094     \expandafter\@secondoftwo
4095   \fi}
4096 \newcommand*{\ifLtoRtable}{%
4097   \if@RTLtab
4098     \expandafter\@secondoftwo
4099   \else
4100     \expandafter\@firstoftwo

```



```

4101 \fi}
4102 \newcommand*{\ifRtoLhboxconstruct}{%
4103   \if@hboxRconstruct
4104     \expandafter\@firstoftwo
4105   \else
4106     \expandafter\@secondoftwo
4107   \fi}
4108 \newcommand*{\ifLtoRhboxconstruct}{%
4109   \if@hboxRconstruct
4110     \expandafter\@secondoftwo
4111   \else
4112     \expandafter\@firstoftwo
4113   \fi}
4114 \newcommand*{\iflatin}{%
4115   \if@nonlatin
4116     \expandafter\@secondoftwo
4117   \else
4118     \expandafter\@firstoftwo
4119   \fi}
4120 \newcommand*{\ifnonlatin}{%
4121   \if@nonlatin
4122     \expandafter\@firstoftwo
4123   \else
4124     \expandafter\@secondoftwo
4125   \fi}
4126
4127 \newcommand*{\bidi@@convert@dimen@t@unit}[2]{%
4128   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
4129
4130 \newcommand*{\bidi@@convert@dimen@t@pt}[1]{%
4131   \dimexpr #1*65536/\dimexpr 1pt\relax}
4132
4133 \newcommand*{\if@bidi@csdef}[1]{%
4134   \ifcsname#1\endcsname
4135     \expandafter\@firstoftwo
4136   \else
4137     \expandafter\@secondoftwo
4138   \fi}
4139 \newcommand*{\if@bidi@csundef}[1]{%
4140   \ifcsname#1\endcsname
4141     \expandafter\ifx\csname#1\endcsname\relax
4142       \expandafter\expandafter
4143       \expandafter\@firstoftwo
4144     \else
4145       \expandafter\expandafter
4146       \expandafter\@secondoftwo
4147     \fi
4148   \else
4149     \expandafter\@firstoftwo
4150   \fi}
4151 \newcommand*{\if@bidi@def}[1]{%
4152   \ifdefined#1%
4153     \expandafter\@firstoftwo
4154   \else

```



```

4155 \expandafter\@secondoftwo
4156 \fi}
4157 \newcommand{\if@bidi@undef}[1]{%
4158 \ifdefined#1%
4159 \ifx#1\relax
4160 \expandafter\expandafter
4161 \expandafter\@firstoftwo
4162 \else
4163 \expandafter\expandafter
4164 \expandafter\@secondoftwo
4165 \fi
4166 \else
4167 \expandafter\@firstoftwo
4168 \fi}
4169 \newcommand{\if@bidi@blank}[1]{% from url.sty
4170 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
4171 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
4172 \newcommand{\bidi@notblank}[1]{%
4173 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
4174 \newcommand{\if@bidi@defmacro}{}
4175 \long\edef\if@bidi@defmacro#1{%
4176 \noexpand\expandafter\noexpand\bidi@ifdefmacro
4177 \noexpand\meaning#1\detokenize{macro}:&}
4178 \edef\bidi@ifdefmacro{%
4179 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
4180 \bidi@ifdefmacro{\bidi@notblank{#2}}
4181 \newcommand*{\if@bidi@csmacro}[1]{%
4182 \if@bidi@csdef{#1}
4183 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
4184 {\@secondoftwo}}
4185 \newcommand{\if@bidi@defprimitive}[1]{%
4186 \ifprimitive#1%
4187 \expandafter\@firstoftwo
4188 \else
4189 \expandafter\@secondoftwo
4190 \fi}
4191 \newcommand{\if@bidi@csprimitive}[1]{%
4192 \begingroup\expandafter\expandafter\expandafter\endgroup%
4193 \expandafter\ifprimitive\csname#1\endcsname%
4194 \expandafter\@firstoftwo
4195 \else
4196 \expandafter\@secondoftwo
4197 \fi}
4198 \newcommand*{\bidi@csdefcs}[2]{%
4199 \expandafter\@ifdefinable \csname#1\endcsname{%
4200 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
4201 \newcommand*{\bidi@csletcs}[2]{%
4202 \expandafter\@ifdefinable \csname#1\endcsname{%
4203 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
4204 \newcommand*{\bidi@cslet}[2]{%
4205 \expandafter\@ifdefinable \csname#1\endcsname{%
4206 \expandafter\let\csname#1\endcsname#2}}
4207 \newcommand{\bidi@namelongdef}[1]{%
4208 \long\expandafter\def\csname #1\endcsname}

```



```

4209 \newcommand{\bidi@namelonggdef}[1]{%
4210   \long\expandafter\gdef\csname #1\endcsname}
4211 \newcommand{\bidi@namelongedef}[1]{%
4212   \long\expandafter\edef\csname #1\endcsname}
4213 \newcommand{\bidi@namelongxdef}[1]{%
4214   \long\expandafter\xdef\csname #1\endcsname}
4215 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
4216 \def\bidi@ensure@new@command#1{%
4217   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
4218   \expandafter\if\bidi@csundef\@gtempa
4219     {\new@command#1}{\relax%
4220     \let\@ifdefinable\@rc@ifdefinable%
4221     \new@command#1}}
4222 \def\bidi@ensure@newlength#1{\if\bidi@undef#1{\newskip#1}{}}
4223
4224 \protected\def\bidi@error{\PackageError\bidi}
4225 \protected\def\bidi@warning{\PackageWarning\bidi}
4226 \protected\def\bidi@info{\PackageInfo\bidi}
4227
4228 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@@#2@#3}{#4}}
4229
4230 \newcount\bidi@poscount
4231
4232 \newcommand*{\WriteStartXPostoaux}{%
4233   \global\advance\bidi@poscount\@ne
4234   \edef\@tempa{%
4235     \write\@auxout{%
4236       \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx}
4237     }%
4238   }%
4239   \ifvmode
4240     \leavevmode
4241   \fi
4242   \if@RTL
4243     \if@filesw
4244       \@tempa
4245     \fi
4246   \pdfsavepos
4247   \else
4248     \pdfsavepos
4249     \if@filesw
4250       \@tempa
4251     \fi
4252   \fi
4253   \if\bidi@csundef\bidi@xpos@@start@\number\bidi@poscount}{%
4254     \PackageWarningNoLine{biditools}{%
4255       The start x position '\number\bidi@poscount' is not known yet.
4256       Rerun to get this x position%
4257     }%
4258   }{}%
4259 }
4260
4261 \newcommand*{\WriteEndXPostoaux}{%
4262   \edef\@tempa{%

```



```

4263         \write\@auxout{%
4264             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4265         }%
4266     }%
4267 \if@RTL
4268     \if@filesw
4269         \@tempa
4270     \fi
4271 \pdfsavepos
4272 \else
4273 \pdfsavepos
4274 \if@filesw
4275     \@tempa
4276 \fi
4277 \fi
4278 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
4279     \PackageWarningNoLine{biditools}{%
4280         The end x position ` \number\bidiposcount' is not known yet.
4281         Rerun to get this x position%
4282     }%
4283 }{}%
4284 }
4285
4286 \newcommand*{\WriteStartYPostoaux}{%
4287     \global\advance\bidiposcount\@ne
4288     \edef\@tempa{%
4289         \write\@auxout{%
4290             \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4291         }%
4292     }%
4293     \ifvmode
4294         \leavevmode
4295     \fi
4296 \if@RTL
4297     \if@filesw
4298         \@tempa
4299     \fi
4300 \pdfsavepos
4301 \else
4302 \pdfsavepos
4303 \if@filesw
4304     \@tempa
4305 \fi
4306 \fi
4307 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
4308     \PackageWarningNoLine{biditools}{%
4309         The start y position ` \number\bidiposcount' is not known yet.
4310         Rerun to get this y position%
4311     }%
4312 }{}%
4313 }
4314
4315 \newcommand*{\WriteEndYPostoaux}{%
4316     \edef\@tempa{%

```



```

4317         \write\@auxout{%
4318             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4319         }%
4320     }%
4321 \if@RTL
4322     \if@filesw
4323         \@tempa
4324     \fi
4325 \pdfsavepos
4326 \else
4327 \pdfsavepos
4328 \if@filesw
4329     \@tempa
4330 \fi
4331 \fi
4332 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
4333     \PackageWarningNoLine{biditools}{%
4334         The end y position ` \number\bidiposcount' is not known yet.
4335         Rerun to get this y position%
4336     }%
4337 }{}%
4338 }
4339
4340 \newcommand*{\WriteStartXYPostoaux}{%
4341     \global\advance\bidiposcount\@ne
4342     \edef\@tempa{%
4343         \write\@auxout{%
4344             \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4345         }%
4346         \write\@auxout{%
4347             \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4348         }%
4349     }%
4350     \ifvmode
4351         \leavevmode
4352     \fi
4353 \if@RTL
4354     \if@filesw
4355         \@tempa
4356     \fi
4357 \pdfsavepos
4358 \else
4359 \pdfsavepos
4360 \if@filesw
4361     \@tempa
4362 \fi
4363 \fi
4364 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
4365     \PackageWarningNoLine{biditools}{%
4366         The start x position ` \number\bidiposcount' is not known yet.
4367         Rerun to get this x position%
4368     }%
4369 }{}%
4370 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%

```



```

4371     \PackageWarningNoLine{biditools}{%
4372         The start y position ``\number\bidiposcount' is not known yet.
4373         Rerun to get this y position%
4374     }%
4375 }{}%
4376 }
4377
4378 \newcommand*{\WriteEndXYPostoaux}{%
4379     \edef\@tempa{%
4380         \write\@auxout{%
4381             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4382         }%
4383         \write\@auxout{%
4384             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
4385         }%
4386     }%
4387 \ifRTL
4388     \if@filesw
4389         \@tempa
4390     \fi
4391 \pdfsavepos
4392 \else
4393 \pdfsavepos
4394 \if@filesw
4395     \@tempa
4396 \fi
4397 \fi
4398 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
4399     \PackageWarningNoLine{biditools}{%
4400         The end x position ``\number\bidiposcount' is not known yet.
4401         Rerun to get this x position%
4402     }%
4403 }{}%
4404 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
4405     \PackageWarningNoLine{biditools}{%
4406         The end y position ``\number\bidiposcount' is not known yet.
4407         Rerun to get this y position%
4408     }%
4409 }{}%
4410 }
4411
4412 \newcommand*{\currentposxwidth}{%
4413     \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{\z@}
4414     {%
4415         \ifnum\csname bidi@xpos@@start@\number\bidiposcount
4416         \endcsname < \csname bidi@xpos@@end@\number\bidiposcount
4417         \endcsname
4418         \dimexpr \csname bidi@xpos@@end@\number\bidiposcount
4419         \endcsname sp - \csname bidi@xpos@@start@\number\bidiposcount
4420         \endcsname sp\relax
4421     \else
4422         \dimexpr \csname bidi@xpos@@start@\number\bidiposcount
4423         \endcsname sp - \csname bidi@xpos@@end@\number\bidiposcount
4424         \endcsname sp\relax

```




```

4425 \fi
4426 }%
4427 }
4428
4429 \newcommand*{\currentposyheight}{%
4430 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
4431 {%
4432 \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
4433 \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
4434 \endcsname sp\relax
4435 }%
4436 }
4437
4438
4439
4440 \newcommand*{\setbaselineskip}[1]{%
4441 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
4442 \selectfont
4443 }
4444
4445
4446 \newcommand*{\bidi@newrobustcmd}{%
4447 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
4448
4449 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
4450
4451 \def\bidi@newcommand#1[#2]{%
4452 \@ifnextchar[%]
4453 {\bidi@xargdef#1[#2]}
4454 {\ifx\l@ngrel@x\relax
4455 \let\l@ngrel@x\protected
4456 \else
4457 \protected\def\l@ngrel@x{\protected\long}%
4458 \fi
4459 \@argdef#1[#2]}}
4460
4461 \long\def\bidi@xargdef#1[#2][#3]#4{%
4462 \@ifdefinable#1{%
4463 \expandafter\protected
4464 \expandafter\def
4465 \expandafter#1%
4466 \expandafter{%
4467 \expandafter\@testopt
4468 \csname\string#1\endcsname{#3}}}%
4469 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
4470
4471 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
4472
4473 \def\bidi@renew@command#1{%
4474 \if@bidi@undef{#1}
4475 {\bidi@error{\string#1 undefined}\@ehc}
4476 {}%
4477 \let\@ifdefinable\@rc@ifdefinable
4478 \bidi@new@command#1}

```



```

4479
4480
4481
4482 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
4483
4484 \def\bidi@provide@command#1{%
4485   \if@bidi@undef{#1}
4486     {\def\reserved@a{\bidi@new@command#1}}
4487     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
4488   \reserved@a}
4489
4490 \newcommand*{\bidi@csuse}[1]{%
4491   \ifcsname#1\endcsname
4492     \csname#1\expandafter\endcsname
4493   \fi}
4494
4495 \newcommand{\bidi@expandonce}[1]{%
4496   \unexpanded\expandafter{#1}}
4497
4498 \def\bidi@protected{%
4499   \let\@protect\protect
4500   \let\protect\@unexpandable@protect
4501   \afterassignment\restore@protect}
4502
4503 \bidi@newrobustcmd{\bidi@appto}[2]{%
4504   \if@bidi@undef{#1}
4505     {\edef#1{\unexpanded{#2}}}
4506     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
4507 \bidi@newrobustcmd{\bidi@eappto}[2]{%
4508   \if@bidi@undef{#1}
4509     {\edef#1{#2}}
4510     {\edef#1{\bidi@expandonce#1#2}}}
4511 \bidi@newrobustcmd{\bidi@gappto}[2]{%
4512   \if@bidi@undef{#1}
4513     {\xdef#1{\unexpanded{#2}}}
4514     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
4515 \bidi@newrobustcmd{\bidi@xappto}[2]{%
4516   \if@bidi@undef{#1}
4517     {\xdef#1{#2}}
4518     {\xdef#1{\bidi@expandonce#1#2}}}
4519
4520 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
4521 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
4522
4523
4524
4525 \bidi@newrobustcmd{\bidi@preto}[2]{%
4526   \if@bidi@undef{#1}
4527     {\edef#1{\unexpanded{#2}}}
4528     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
4529 \bidi@newrobustcmd{\bidi@epreto}[2]{%
4530   \if@bidi@undef{#1}
4531     {\edef#1{#2}}
4532     {\edef#1{#2\bidi@expandonce#1}}}

```



```

4533 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
4534   \if@bidi@undef{#1}
4535     {\xdef#1{\unexpanded{#2}}}%
4536     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}%
4537 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
4538   \if@bidi@undef{#1}
4539     {\xdef#1{#2}}%
4540     {\xdef#1{#2\bidi@expandonce#1}}}%
4541
4542 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
4543 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
4544
4545
4546
4547 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
4548 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
4549 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
4550 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
4551 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
4552 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
4553
4554
4555
4556 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
4557 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
4558 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
4559 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
4560 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
4561 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
4562
4563
4564
4565 \bidi@newrobustcmd{\if@bidi@patchable}{%
4566   \bidi@dbg@trce\if@bidi@patchable
4567   \begingroup
4568   \@makeother\%
4569   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
4570
4571 \long\def\bidi@ifpatchable#1#2{%
4572   \endgroup
4573   \bidi@dbg@init#1%
4574   \if@bidi@undef{#1}
4575     {\bidi@dbg@fail{def}\@secondoftwo}
4576     {\bidi@dbg@info{def}%
4577       \if@bidi@defmacro{#1}
4578         {\bidi@dbg@info{mac}%
4579           \bidi@ifscanable{#1}
4580             {\bidi@ifhashcheck{#2}
4581               {\bidi@dbg@info{tok}%
4582                 \bidi@ifpattern#1{#2}
4583                 {\bidi@dbg@info{pat}%
4584                   \bidi@dbg@info{pos}\@firstoftwo}
4585                   {\bidi@dbg@fail{pat}\@secondoftwo}}
4586                 {\bidi@dbg@fail{hsh}\@secondoftwo}}

```



```

4587         {\bidi@dbg@fail{tok}\@secondoftwo}}
4588     {\bidi@dbg@fail{mac}\@secondoftwo}}
4589
4590 \long\def\bidi@ifpatchable@i#1{%
4591     \endgroup
4592     \bidi@dbg@init#1%
4593     \if@bidi@undef{#1}
4594         {\bidi@dbg@fail{def}\@secondoftwo}
4595         {\bidi@dbg@info{def}%
4596         \if@bidi@defmacro{#1}
4597             {\bidi@dbg@info{mac}%
4598             \if@bidi@defparam{#1}
4599                 {\bidi@dbg@info{prm}%
4600                 \bidi@ifscanable{#1}
4601                     {\bidi@dbg@info{tok}%
4602                     \bidi@dbg@info{pos}\@firstoftwo}
4603                     {\bidi@dbg@fail{tok}\@secondoftwo}}
4604                 {\bidi@dbg@info{prl}%
4605                 \if@bidi@defprotected{#1}
4606                     {\bidi@dbg@info{pro}}
4607                     {}%
4608                 \bidi@dbg@info{pos}\@firstoftwo}}
4609             {\bidi@dbg@fail{mac}\@secondoftwo}}}
4610
4611 \bidi@newrobustcmd*{\bidi@patchcmd}{%
4612     \bidi@dbg@trce\bidi@patchcmd
4613     \begingroup
4614     \@makeother\%#
4615     \bidi@@patchcmd}
4616
4617 \newcommand{\bidi@@patchcmd}[4][#####1]{%
4618     \bidi@ifpatchable#2{#3}
4619     {\bidi@dbg@succ{ret}%
4620     \begingroup
4621     \edef\bidi@resrvda{%
4622         \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
4623             #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
4624         \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
4625             ####1\detokenize{#4}####2}%
4626         \edef\noexpand\bidi@resrvda{%
4627             \noexpand\bidi@resrvda\meaning#2&}}%
4628     \bidi@resrvda
4629     \bidi@patchcmd@scantoks\bidi@resrvda
4630     \let#2\bidi@resrvda
4631     \bidi@undef\bidi@resrvda
4632     \@firstoftwo}
4633     {\@secondoftwo}}
4634
4635 \def\bidi@patchcmd@scantoks#1{%
4636     \edef\bidi@resrvda{\endgroup
4637         \unexpanded{\makeatletter\scantokens}{#1}%
4638         \catcode\number`\@=\the\catcode`\@ \relax}%
4639     \bidi@resrvda}
4640

```



```

4641 \newcommand\bid@isloaded[2][]{
4642   \expandafter\ifx\csname if@bid@#2loaded@endcsname\relax
4643     \expandafter\newif\csname if@bid@#2loaded@endcsname
4644     \fi
4645     \@ifpackageloaded{#2}
4646     {\csname @bid@#2loaded@true\endcsname #1}
4647     {\csname @bid@#2loaded@false\endcsname}}
4648
4649 \protected\def\bid@ifscanable#1{%
4650   \begingroup
4651   \edef\bid@resrvda{%
4652     \def\noexpand\bid@resrvda####1\detokenize{macro}:####2->####3&{%
4653       ####1\def\string\bid@resrvda####2{####3}}}%
4654     \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda\meaning#1&}}%
4655   \bid@resrvda
4656   \makeatletter
4657   \scantokens\expandafter{\bid@resrvda}%
4658   \expandafter\endgroup\ifx#1\bid@resrvda
4659     \expandafter\@firstoftwo
4660   \else
4661     \expandafter\@secondoftwo
4662   \fi}
4663
4664
4665 \protected\long\def\bid@ifhashcheck#1{%
4666   \begingroup
4667   \edef\bid@resrvda{\detokenize{#1}}%
4668   \expandafter\endgroup
4669   \expandafter\bid@ifhashcheck@i\meaning\bid@resrvda&}
4670
4671 \edef\bid@ifhashcheck@i#1{%
4672   \noexpand\expandafter
4673   \noexpand\bid@ifhashcheck@ii
4674   \noexpand\strip@prefix#1\string#\string#&}
4675
4676 \edef\bid@ifhashcheck@ii{%
4677   \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&}
4678 \bid@ifhashcheck@ii{\if@bid@blank{#2}}
4679
4680
4681 \protected\long\def\bid@ifpattern#1#2{%
4682   \begingroup
4683   \edef\bid@resrvda{%
4684     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
4685       \endgroup\noexpand\noexpand\noexpand\if@bid@blank{####2}}}%
4686     \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
4687       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
4688     \noexpand\bid@resrvda}
4689   \bid@resrvda\@secondoftwo\@firstoftwo}
4690
4691
4692 \newcommand{\if@bid@defparam}{}
4693 \long\def\if@bid@defparam#1{%
4694   \noexpand\expandafter\noexpand\bid@ifdefparam

```



```

4695 \noexpand\meaning#1\detokenize{macro}:->&}
4696 \edef\bidi@ifdefparam{%
4697 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
4698 \bidi@ifdefparam{\bidi@notblank{#2}}
4699
4700
4701 \newcommand{\if@bidi@defprotected}{%
4702 \long\edef\if@bidi@defprotected#1{%
4703 \noexpand\expandafter\noexpand\bidi@ifdefprotected
4704 \noexpand\meaning#1\string\protected&}
4705 \edef\bidi@ifdefprotected{%
4706 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
4707 \bidi@ifdefprotected{\bidi@notblank{#2}}
4708
4709
4710 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
4711 \bidi@newrobustcmd{\bidi@csundef}[1]{%
4712 \expandafter\let\csname #1\endcsname\bidi@undefined
4713 }
4714
4715 \let\bidi@dbg@trce\@gobble
4716 \let\bidi@dbg@init\@gobble
4717 \let\bidi@dbg@info\@gobble
4718 \let\bidi@dbg@succ\@gobble
4719 \let\bidi@dbg@fail\@gobble
4720
4721
4722
4723 \bidi@newrobustcmd*{\bidi@apptocmd}{%
4724 \bidi@dbg@trce\bidi@apptocmd
4725 \begingroup
4726 \@makeother\#%
4727 \bidi@hooktocmd\bidi@append}
4728
4729
4730
4731 \bidi@newrobustcmd*{\bidi@pretocmd}{%
4732 \bidi@dbg@trce\bidi@pretocmd
4733 \begingroup
4734 \@makeother\#%
4735 \bidi@hooktocmd\bidi@prepend}
4736
4737 \long\def\bidi@hooktocmd#1#2#3{%
4738 \endgroup
4739 \bidi@dbg@init#2%
4740 \if@bidi@undef{#2}
4741 {\bidi@dbg@fail{def}\@secondoftwo}
4742 {\bidi@dbg@info{def}%
4743 \if@bidi@defmacro{#2}
4744 {\bidi@dbg@info{mac}%
4745 \if@bidi@defparam{#2}
4746 {\bidi@dbg@info{prm}%
4747 \bidi@ifscanable{#2}
4748 {\bidi@ifhashcheck{#3}

```



```

4749         {\bidi@dbg@info{tok}}%
4750         \bidi@dbg@succ{ret}}%
4751         \bidi@hooktocmd@i#1#2{#3}%
4752         \@firstoftwo}
4753         {\bidi@dbg@fail{hsh}\@secondoftwo}}
4754         {\bidi@dbg@fail{tok}\@secondoftwo}}
4755     {\bidi@dbg@info{prl}}%
4756     \if@bidi@defprotected{#2}
4757     {\bidi@dbg@info{pro}}%
4758     \bidi@dbg@succ{red}}%
4759     \protected}
4760     {\bidi@dbg@succ{red}}%
4761     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
4762     \@firstoftwo}}
4763     {\bidi@dbg@fail{mac}\@secondoftwo}}
4764
4765 \long\def\bidi@hooktocmd@i#1#2#3{%
4766   \begingroup
4767   \edef\bidi@resrvda{%
4768     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
4769       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
4770     \edef\noexpand\bidi@resrvda{%
4771       \noexpand\bidi@resrvda\meaning#2&}}%
4772   \bidi@resrvda
4773   \bidi@patchcmd@scantoks\bidi@resrvda
4774   \let#2\bidi@resrvda
4775   \bidi@undef\bidi@resrvda}
4776
4777 \long\def\bidi@append#1#2{#1#2}
4778 \long\def\bidi@prepend#1#2{#2#1}
4779
4780 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
4781 %\newcommand*{\bidi@endpreamblehook}{}
4782
4783 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
4784
4785 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
4786 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
4787
4788 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
4789 \newcommand*{\bidi@beforeheaderhook}{}
4790
4791 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput}
4792 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
4793
4794 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpa}
4795 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
4796
4797 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
4798 \newcommand*{\bidi@beforefooterhook}{}
4799
4800 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
4801 \newcommand*{\bidi@afterfooterhook}{}
4802

```



```

4803
4804 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
4805 \newcommand*{\bidi@afteroutputpageshipouthook}{\bidi@afteroutputpageshipouthook}
4806
4807 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
4808 \newcommand*{\bidi@atendoutputpagehook}{\bidi@atendoutputpagehook}
4809
4810 %\bidi@preto\document{%
4811 % \endgroup
4812 % \let\bidi@AtEndPreamble\@firstofone
4813 % \bidi@endpreamblehook
4814 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
4815 % \bidi@undef\bidi@endpreamblehook
4816 % \begingroup}
4817
4818 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
4819 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
4820
4821 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
4822 \newcommand*{\bidi@afterendpreamblehook}{\bidi@afterendpreamblehook}
4823
4824 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}}%
4825
4826 %\bidi@appto\document{%
4827 % \let\bidi@AfterEndPreamble\@firstofone
4828 % \bidi@afterendpreamblehook
4829 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
4830 % \bidi@undef\bidi@afterendpreamblehook
4831 % \ignorespaces}
4832
4833 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerunhook}
4834 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{\bidi@afterenddocumentchecklabelsrerunhook}
4835
4836 \bidi@patchcmd\enddocument
4837 {\fi}
4838 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
4839 \bidi@afterenddocumentchecklabelsrerunhook
4840 \fi}
4841 {}
4842 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
4843
4844 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
4845
4846 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
4847 \newcommand*{\bidi@afterlastshipouthook}{\bidi@afterlastshipouthook}
4848
4849 \bidi@patchcmd\enddocument
4850 {\clearpage}
4851 {\clearpage
4852 \let\bidi@AfterLastShipout\@firstofone
4853 \bidi@afterlastshipouthook}
4854 {}
4855 {\let\bidi@clearpage\clearpage
4856 \def\clearpage{%

```




```

4857 \bidi@clearpage
4858 \let\bidi@AfterLastShipout\@firstofone
4859 \bidi@afterlastshipouthook}}
4860
4861 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
4862 %\newcommand*{\bidi@afterenddocumenthook}{%
4863
4864 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}}%
4865
4866 %\bidi@patchcmd\enddocument
4867 % {\deadcycles}
4868 % {\let\bidi@AfterEndDocument\@firstofone
4869 % \bidi@afterenddocumenthook
4870 % \deadcycles}
4871 % {}
4872 % {\let\bidi@@end\@@end
4873 % \def\@@end{%
4874 % \let\bidi@AfterEndDocument\@firstofone
4875 % \bidi@afterenddocumenthook
4876 % \bidi@@end}}
4877
4878 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
4879 \bidi@csgappto{@bidi@begin@#1@hook}}
4880
4881 % Patch \begin<space> and \end<space> in newer LaTeX releases
4882 % \begin and \end in older ones.
4883 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
4884 {\csname #1\endcsname}
4885 {\bidi@csuse{@bidi@begin@#1@hook}}%
4886 \csname #1\endcsname}
4887 {}
4888 {\bidi@warning{%
4889 Patching '\string\begin' failed!\MessageBreak
4890 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
4891
4892
4893
4894 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
4895 \bidi@csgappto{@bidi@end@#1@hook}}
4896
4897 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
4898 {\csname end#1\endcsname}
4899 {\bidi@csuse{@bidi@end@#1@hook}}%
4900 \csname end#1\endcsname}
4901 {}
4902 {\bidi@warning{%
4903 Patching '\string\end' failed!\MessageBreak
4904 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
4905
4906
4907
4908 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
4909 \bidi@csgappto{@bidi@beforebegin@#1@hook}}
4910

```



```

4911 \expandafter\@bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
4912 {\@bidi@csuse{\@bidi@beforebegin@#1@hook}}
4913 {}
4914 {\@bidi@warning{%
4915   Patching '\string\begin' failed!\MessageBreak
4916   '\string\@bidi@BeforeBeginEnvironment' will not work\@gobble}}
4917
4918 \bidi@newrobustcmd{\@bidi@AfterEndEnvironment}[1]{%
4919 \bidi@csgappto{\@bidi@afterend@#1@hook}}
4920
4921 \expandafter\@bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
4922 {\if@ignore}
4923 {\@bidi@csuse{\@bidi@afterend@#1@hook}%
4924 \if@ignore}
4925 {}
4926 {\@bidi@warning{%
4927   Patching '\string\end' failed!\MessageBreak
4928   '\string\@bidi@AfterEndEnvironment' will not work\@gobble}}
4929
4930 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
4931 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
4932 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
4933 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
4934
4935 % From David Carlisle:
4936 % The \@stpelt redefinition below belongs to Heiko Oberdiek
4937 % See also https://github.com/ho-tex/oberdiek/issues/26
4938
4939 \let\@bidi@stepcounter\stepcounter
4940 \let\@bidi@@stpelt\@stpelt
4941
4942 \def\@stpelt#1{%
4943 \ifcsname bidi@reset@#1@perpage\endcsname
4944 \begingroup
4945 \let\stepcounter\@bidi@stepcounter
4946 \@bidi@@stpelt{#1}%
4947 \endgroup
4948 \expandafter\@gobbletwo
4949 \fi
4950 \@bidi@@stpelt{#1}%
4951 }
4952
4953 \bidi@pretocmd\stepcounter
4954 {%
4955 \if@bidi@csundef{\bidi@stepcounterhook@@#1}{\@bidi@csundef{\bidi@stepcounterhook@@#1}\endcsname}
4956 \csname bidi@stepcounterhook@@#1\endcsname
4957 }%
4958 }-}%
4959 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
4960
4961 \chardef\bidi@backslash`\\
4962 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
4963
4964 % anonymous control sequences

```



```

4965 \newcount\bidit@tempcountb
4966 \newtoks\bidit@temptoksa
4967 \newtoks\bidit@temptoksb
4968
4969 % Catcode (re)storing
4970 %
4971 \def\bidit@storecatcode#1%
4972   {\escapechar\m@ne
4973    \bidit@csarg\edef\bidit@restorecatcode\string#1}%
4974    {\catcode`\string#1=
4975     \the\catcode\expandafter`\string#1}%
4976    \catcode\expandafter`\string#1=12\relax
4977    \escapechar`\\ \relax}
4978 \def\bidit@restorecatcode#1%
4979   {\escapechar\m@ne
4980    \csname \bidit@storecatcode\string#1\endcsname
4981    \escapechar`\\ \relax}
4982
4983 % Construct a control sequence inside \edef
4984 %
4985 \def\bidit@csname#1{\expandafter\noexpand\csname#1\endcsname}
4986
4987 % Construct a control sequence out of #2, and give it to #1
4988 %
4989 \def\bidit@csarg#1#2{\expandafter#1\csname#2\endcsname}
4990
4991 % Pick an escapecharacter
4992 % this presumes that its argument is a character.
4993 %
4994 \def\bidit@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
4995
4996 % Equality of strings.
4997 % the fast approach: does not work in expansion-only environment.
4998 %
4999 \def\bidit@EqualString#1#2{00\fi\def\bidit@eqs@a{#1}\def\bidit@eqs@b{#2}%
5000   \ifx\bidit@eqs@a\bidit@eqs@b}
5001
5002 % Test by expansion only
5003 %
5004 \def\bidit@EqualStringX#1#2{00\fi
5005   \csname if\@bidit@EqualStringX#1&#2&$\endcsname}
5006 \def\@bidit@EqualStringX#1#2$#3$4$ {\ifx#1#3%
5007   \ifx#1&true\else\bidit@hop@ES\@bidit@EqualStringX#2$#4$\fi
5008   \else false\fi}
5009 \def\bidit@hop@ES#1\fi#2\fi{\fi\fi#1}
5010
5011 % Lexicographic ordering
5012 % note the use of \def
5013 % also note the characters 0,127,255 that are used,
5014 % these are not supposed to appear in the strings
5015 %
5016 {\catcode0=12 \catcode255=12 \catcode127=12
5017 \gdef\bidit@StringBeforeNC#1#2{00\fi
5018   \bidit@CharsBefore#1^^@^^?#2^^ff^^?}}

```



```

5019 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
5020   \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
5021   \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
5022       \else\ifnum\lccode`#1<\lccode`#3
5023           \def\bid@next{\csname iftrue\endcsname}%
5024       \else\ifnum\lccode`#1>\lccode`#3
5025           \def\bid@next{\csname iffalse\endcsname}%
5026       \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
5027   \fi \fi \fi \fi
5028   \bid@next}
5029 \gdef\bid@StringBefore#1#2{00\fi
5030   \bid@CharsBefore#1^^@^^?#2^^ff^^?}
5031 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
5032   \ifnum`#1<`#3
5033       \def\bid@next{\csname iftrue\endcsname}%
5034   \else\ifnum`#1>`#3
5035       \def\bid@next{\csname iffalse\endcsname}%
5036   \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
5037   \fi\fi
5038   \bid@next}
5039 }
5040
5041 % Null argument test
5042 %
5043 \def\bid@empty{}
5044 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1@null\endcsname\bid@empty}
5045 \def\bid@ifemptyX#1{\expandafter\ifx\csname bid@#1@null\endcsname\bid@empty}
5046 %\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
5047 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
5048
5049 % Next character test
5050 %
5051 \def\bid@NextChar#1#2#3{00\fi
5052   \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
5053   \futurelet\bid@nxt@c\@bid@ifnxtc}
5054 \def\bid@ifNextChar#1#2#3{%
5055   \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
5056   \futurelet\bid@nxt@c\@bid@ifnxtc}
5057 \def\@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
5058   \else \expandafter\bid@nxt@b \fi}
5059
5060 % Test for defined-ness of string as control sequence.
5061 % works inside \edef
5062 %
5063 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
5064
5065 % Define uniquely defined dummy macros,
5066 % usually to serve as bumper blocks at the end of a list
5067 %
5068 \newcount\bid@dummies
5069 \def\DefNewDummy#1{
5070   \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
5071   \advance\bid@dummies\@ne
5072   \else

```



```

5073         \bidi@error{Attempt at second definition of `#1'}
5074     \fi}
5075
5076 % string case statement
5077 % use: \bidi@switch \iftest{...} in:
5078 %     item1 action1
5079 %     ...
5080 %     itemn actionnn
5081 %     default defaultaction [optional]
5082 %     \endbidi@switch
5083 % inspired by Jonathan Fine: Some Basic Control Macros
5084 % Tugboat 12 #4
5085 %
5086 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}
5087 \def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
5088 \def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
5089 #1{#2}\bidi@switch@exit #3 \@bidi@fi
5090 \bidi@switch {#1}
5091 }
5092 % this version puts the test object in {}
5093 \def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
5094 #1{#2}\bidi@switch@exit #3 \@bidi@fi
5095 \bidi@switch #1 in:
5096 }
5097 % this version assumes that the test object is just one character
5098 \def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
5099 #1#2\bidi@switch@exit #3 \@bidi@fi
5100 \bidi@cswitch #1 in:
5101 }
5102 % this version assumes that the test object can have an optional space
5103 \def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
5104 #1#2 \bidi@switch@exit #3 \@bidi@fi
5105 \bidi@bswitch #1 in:
5106 }
5107 % this version can cope with significant spaces at the start of #3;
5108 % #2 is macro argument
5109 \def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
5110 #1{#2}\bidi@switch@exit #3 \@bidi@fi
5111 \bidi@mswitch #1 in:
5112 }
5113 % idem; #2 does not have to be enclosed in braces
5114 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
5115 #1#2 \bidi@switch@exit #3 \@bidi@fi
5116 \bidi@fswitch #1 in:
5117 }
5118
5119 % Routines for taking the value of a string:
5120 % if the string is defined as control sequence
5121 % take the value of that, otherwise take the string itself
5122
5123 % String or value of control sequence
5124 %
5125 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
5126

```



```

5127 % String or control sequence
5128 %
5129 \def\@bidi@ww#1{\if\@bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
5130
5131 % String or \noexpand-ed control sequence;
5132 % for use in \edef
5133 %
5134 \newif\ifbidi@in@label
5135 \def\@bidi@w@w#1{\if\@bidi@undefinedcs{#1}#1\else
5136     \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
5137 \newtoks\bidi@are@these@correct
5138 \def\bidi@t@w@w#1{%
5139     \if\@bidi@undefinedcs{#1}#1%
5140     \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
5141     \else
5142     \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
5143
5144 % List Manipulation .....
5145 % this assumes that #1 is a list of tokens, #2 is the name of a list
5146 %
5147 % Names of lists (and of items to pop into) are given as strings;
5148 % not as control sequences.
5149 %
5150 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
5151 % basic append/prepend macro
5152 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
5153     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}
5154 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
5155     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
5156 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslist}
5157 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@cslist}
5158 % variations:
5159 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
5160 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
5161 \def\bidi@append@list@to@list#1#2{%
5162     \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
5163 \def\bidi@prepend@list@to@list#1#2{%
5164     \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
5165 \def\bidi@append@cslist@to@cslist#1#2{%
5166     \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
5167 \def\bidi@prepend@cslist@to@cslist#1#2{%
5168     \@bidi@prepend@to@cslist{#1}\expandafter{\the#2}}
5169 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
5170 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
5171
5172 \let\bidi@willbeunhskip\unhskip
5173
5174 % A few list macros for the user
5175 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
5176 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
5177 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
5178 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
5179 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
5180     \if\@bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}

```



```

5181 \else\bidicsarg\the{#1}\fi
5182 \let\bidibwillbeunhskip\bidicoldwbuskip}
5183
5184 \def\bididel@tok@from@list#1#2{\begingroup
5185 \long\def\bidics@liste##1#2##2\biditok@SM
5186 {\biditoks@lista{##1}\biditoks@listb{##2}%
5187 \edef\bidics@listb{\global\bidicsname{#1}=
5188 {\the\biditoks@lista\the\biditoks@listb}}%
5189 \bidics@listb}%
5190 \edef\bidics@lista{\noexpand\bidics@liste}\expandafter\the\csname#1\endcsname\noexpand
5191 \bidics@lista \endgroup}
5192 \def\bidicin@front@of@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
5193 \bidicin@front@of@cslist\bidics@lista}
5194 \long\def\bidicin@front@of@cslist#1#2{\begingroup\biditoks@lista={#2}%
5195 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\biditoks@list
5196 \endgroup}
5197 \long\def\bidiclocal@in@front@of@list#1#2{\biditoks@lista={#2}%
5198 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
5199 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
5200 \expandafter\the\csname#1\endcsname}%
5201 }
5202 \def\bidicset@list#1{\bidicsarg{\let\expandafter\bidics@lista}{#1}%
5203 \bidicset@cslist\bidics@lista}
5204 \long\def\bidicset@cslist#1#2{\begingroup\biditoks@lista={#2}%
5205 \global#1=\expandafter{\the\biditoks@lista}\endgroup}
5206
5207 %%%%%%%%%%%%%%% Stack macros
5208 %
5209 % push in terms of prepending of lists
5210 \def\bidicpush@cs@onto@cs#1#2{\@bidicprepend@to@cslist#1\expandafter{\expandafter\\expandafter
5211 \def\bidicpush@onto#1{\bidicsarg\bidicpush@onto@cs{#1}}
5212 \def\bidicpush@onto@cs#1#2{\@bidicprepend@to@cslist#1}{\{#2}}
5213 \def\bidiclocal@push@onto#1#2{\let\\=\relax
5214 \bidiclocal@in@front@of@list{#1}{\{#2}}
5215 % pop via auxiliary macro: #1 is result, #2 is stack
5216 % two cs arguments
5217 \def\bidicpop@cs@into#1#2{\edef\bidics@e
5218 {\noexpand\@bidicpopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidicpop}\bidics@e}
5219 % two string arguments
5220 \def\bidicpop@into#1#2{\edef\bidics@e
5221 {\noexpand\@bidicpopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidicpop}
5222 \long\def\@bidicpopinto#1#2\#3#4\@bidicpop{#1{#3}#2{#4}}
5223 \def\bidiccopy@stacktop#1#2{%
5224 \edef\bidics@e{\noexpand\@bidiccopy@stacktop
5225 {#1}\bidicsarg\the{#2}\noexpand\@bidicpop}%
5226 \bidics@e}
5227 \def\@bidiccopy@stacktop#1\#2#3\@bidicpop{\csname#1\endcsname#2\relax}
5228 \newcount\bidicstack@length \newtoks\bidicempty@stack \bidicempty@stack{\{\}}
5229 \def\bidiclength@of@stack#1{\bidicsarg\bidiclength@of@csstack{#1}}
5230 \def\bidiclength@of@csstack#1{\def\\#1{\advance\bidicstack@length\@ne}%
5231 \bidicstack@length\m@ne \the#1}
5232 % turn a stack upside down
5233 \def\bidicinvert@csstack#1{\bidiclength@of@csstack{#1}%
5234 \bidic@tempcountb\z@ \bidic@temptoksa\bidicempty@stack

```



```

5235 \loop\ifnum\bidit@tempcountb<\bidit@stack@length
5236   \bidit@pop@cs@into\bidit@temptoksb#1\advance\bidit@stack@length\m@ne
5237   \bidit@push@cs@onto@cs\bidit@temptoksa\bidit@temptoksb
5238 %   \bidit@append@cslist@to@cslist\bidit@temptoksb\bidit@temptoksa% append a to b
5239 %   \bidit@temptoksa\bidit@temptoksb
5240   \repeat% copy b to a
5241   #1\bidit@temptoksa \bidit@temptoksa\bidit@empty@toks}
5242 % invert a stack into a list
5243 \def\bidit@x@stack@to@list#1{\bidit@length@of@stack{#1}%
5244   \bidit@tempcountb\z@ \bidit@temptoksa\bidit@empty@toks
5245   \loop\ifnum\bidit@tempcountb<\bidit@stack@length
5246     \bidit@pop@into\bidit@temptoksb}{#1}\advance\bidit@stack@length\m@ne
5247     \bidit@append@list@to@list\bidit@temptoksb}{\bidit@temptoksa}\repeat
5248   \csname#1\endcsname\bidit@temptoksa \bidit@temptoksa\bidit@empty@toks}
5249
5250
5251 % General loop macro:
5252 % \looprepeat
5253 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
5254 %   \untilcondition{<cond>} \whilecondition{<cond>}
5255 %   \doloopbody { <loop body> }
5256 % where all control sequences in between \looprepeat and \doloopbody are optional.
5257 %
5258 % var: characters to form a control sequence;
5259 %   after \forvariable{index} you can access the loop counter as \index.
5260 %   This is a count register; to print it use \number\index.
5261 % start,step,end: integers with obvious relations to the loop counter;
5262 %   start and step have a default value of 1
5263 % cond: (sequence of commands ending in) any TeX \if... test.
5264 %
5265 % Count down instead of up with \downtovalue; the increment given in \bystep
5266 % is always positive, and is added or subtracted accordingly.
5267 %
5268 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
5269 % at the beginning of the loop body.
5270 %
5271 % Exit from middle of loop: \breaklooprepeat
5272 % use this at any place in the loop; in case of a conditional use
5273 %   \ifsomething ... \expandafter \breaklooprepeat \fi
5274 %
5275 % Note that the line ends do not cause spaces in the output.
5276 %
5277 % Technical details:
5278 % The loop body is not executed in a group: the braces are those
5279 % of a token list.
5280 % The 'forvariable' variable is \let to a \count register.
5281
5282
5283
5284 % Auxiliary stuff
5285 \def\bidit@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
5286 \def\bidit@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidit@looprepeat@depth\endcsname}
5287 \def\bidit@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidit@looprepeat@depth\endcsname}
5288

```




```

5289 \newcount\bidilooprepeat@depth
5290 \let\endlooprepeat\relax \def\bidicsprotect{}
5291 % Trace switches may later be defined by PAC_utils
5292 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
5293
5294 % Main repeatloop macro
5295 % - go to next level and allocate unique counter/toks if this is the
5296 %   first time we visit this level
5297 % - setup: gather bounds and termination conditions
5298 % - scoop up body in token list; after the assignment define and
5299 %   execute body
5300 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
5301   \advance\bidilooprepeat@depth\@ne\relax
5302   \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
5303     \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooprepeat@count
5304     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@toks
5305     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@body
5306     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@tmp
5307   \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
5308   \edef\bidilooprepeat@tmp
5309     {\def\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}\bidilooprepeat@tmp
5310   \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral\bidilooprepeat@toks
5311
5312 % Define and execute loop body
5313 % This is done with an \edef to construct the actual sequence
5314 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef\bidilooprepeat@body{%
5315   \bidilooprepeat@csargromannumeral\the\bidilooprepeat@wtest}%
5316   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@toks}%
5317   \bidilooprepeat@csargromannumeral\the\bidilooprepeat@utest}%
5318   \global\bidilooprepeat@csargromannumeral\advance\bidilooprepeat@count by \bidilooprepeat@sign
5319   \noexpand\endlooprepeat
5320   \bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}}%
5321   \bidilooprepeat@csromannumeral\bidilooprepeat@body\ignorespaces}
5322
5323 % Stop test
5324 %% In order to stop, issue a
5325 % \breaklooprepeat which scoops up the rest of the body and exits
5326 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral
5327   \advance\bidilooprepeat@depth\@m\@ne \bidilooprepeat@traceexit
5328 }
5329
5330
5331 % Setup
5332 % gather bounds and termination conditions
5333 \def\bidilooprepeat@setup#1{%
5334   \begingroup
5335     \def\forvariable##1{%
5336       \edef\bidilooprepeat@tmp{%
5337         \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral\bidilooprepeat@count
5338         \bidilooprepeat@tmp}%
5339       \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global\bidilooprepeat@count##1\ignorespaces}
5340       \def\tovalue##1{%
5341         \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@count}
5342         {\bidilooprepeat@csargromannumeral\the\bidilooprepeat@wtest}%

```



```

5343     \noexpand\ifnum\bidil@looprepeat@csargromannumeral\noexpand{bidil@looprepeat@count}\bi
5344     \noexpand\expandafter \noexpand\breaklooprepeat
5345     \noexpand\fi}\ignorespaces}%
5346     \bidil@looprepeat@tmp}%
5347     \def\downtovalue##1{%
5348     \gdef\bidil@looprepeat@sign{-}\gdef\bidil@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
5349     \def\bystep##1{\ifnum##1<0 \bidil@error{LOOPREPEAT: increment has to be a positive value}
5350     \bidil@looprepeat@csargromannumeral\gdef{bidil@looprepeat@inc}{-##1}\else
5351     \bidil@looprepeat@csargromannumeral\gdef{bidil@looprepeat@inc}{##1}\fi\ignoresp
5352     \def\untilcondition##1{%
5353     \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{bidil@loop
5354     {\noexpand##1\relax
5355     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
5356     \bidil@looprepeat@tmp}%
5357     \def\whilecondition##1{%
5358     \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand{bidil@loop
5359     {\noexpand##1\relax \noexpand\else
5360     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
5361     \bidil@looprepeat@tmp}%
5362     \fromvalue{\@ne}\bystep{\@ne}#1%
5363     \endgroup}
5364     \def\bidil@looprepeat@zero
5365     {\bidil@looprepeat@csromannumeral{bidil@looprepeat@toks}{}\bidil@looprepeat@csromannumeral{b
5366     \bidil@looprepeat@csargromannumeral\def{bidil@looprepeat@body}{}}
5367
5368 %\tracingmacros2
5369 %\newcount\tmpcount % used in some examples below
5370
5371 %\looprepeat \forvariable{i}
5372 %     \bystep{2}
5373 %     \doloopbody {%
5374 %         \ifnum\i=13 \expandafter\breaklooprepeat \fi
5375 %         \number\i} %
5376 %}%
5377
5378 %\looprepeat \forvariable{iii}
5379 %     \tovalue{8}
5380 %     \doloopbody {}
5381 %After loop: \number\iii%
5382
5383 %\looprepeat \forvariable{i}
5384 %     \fromvalue{10}
5385 %     \bystep{2}
5386 %     \downtovalue{0}
5387 %     \doloopbody {\number\i} }
5388
5389 %\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
5390 %     \doloopbody {\number\x} }
5391
5392 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
5393
5394 %\looprepeat \forvariable{j}
5395 %     \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
5396 %     \doloopbody {\number\j} }

```



```

5397
5398 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
5399 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
5400 % \doloopbody {(\number{i}.\number{j}) }
5401 % }
5402
5403 % infinite loop
5404 %\looprepeat \doloopbody {}
5405
5406 \renewcommand{\InputIfFileExists}[2]{%
5407 \begingroup\expandafter\expandafter\expandafter\endgroup
5408 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
5409 \expandafter\@secondoftwo
5410 \else
5411 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
5412 \expandafter\@firstoftwo
5413 \fi
5414 {%
5415 \expandafter\InputIfFileExists\expandafter{\csname
5416 #1-@bidi@alias\endcsname}{#2}%
5417 }%
5418 {\IfFileExists{#1}{%
5419 \bidi@load@hook{before}{#1}%
5420 #2\@addtofilelist{#1}%
5421 \@@input \@filef@und
5422 \bidi@load@hook{after}{#1}%
5423 }}%
5424 }
5425
5426 \newcommand*{\bidi@@loadwithoptions}{%
5427 \newcommand*{\bidi@loadwithoptions}{%
5428 \let\bidi@loadwithoptions\@loadwithoptions
5429
5430 \renewcommand*{\@loadwithoptions}[3]{%
5431 \begingroup\expandafter\expandafter\expandafter\endgroup
5432 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
5433 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
5434 \else
5435 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
5436 \def\bidi@@loadwithoptions{%
5437 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
5438 }%
5439 \fi
5440 \bidi@@loadwithoptions
5441 }
5442
5443 \newcommand*{\bidi@onefilewithoptions}{%
5444 \let\bidi@onefilewithoptions\@onefilewithoptions
5445 \def\bidi@@onefilewithoptions#1[#2][#3]#4{%
5446 \begingroup\expandafter\expandafter\expandafter\endgroup
5447 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
5448 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
5449 \else
5450 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%

```



```

5451 \edef\bidid@onefilewithoptions{%
5452 \noexpand\@onefilewithoptions{\csname #1.#4-\bidid@aliasname\endcsname}}%
5453 \fi
5454 \bidid@onefilewithoptions[{#2}][{#3}]{#4}%
5455 \bidid@load@hook{lateafter}{#1.#4}%
5456 }
5457
5458 \newcommand*\bidid@ReplaceInput}[2]{%
5459 \expandafter\edef\csname #1-\bidid@alias\endcsname{#2}%
5460 }
5461
5462 \newcommand*\bidid@UnReplaceInput}[1]{%
5463 \ifcsname #1-\bidid@alias\endcsname
5464 \expandafter\let\csname #1-\bidid@alias\endcsname\relax
5465 \fi
5466 }
5467
5468 \newcommand*\bidid@ReplaceFileWithText}[3]{%
5469 \expandafter\edef\csname #1.#3-\bidid@aliasname\endcsname{#2}%
5470 }
5471 \newcommand*\bidid@ReplacePackage}[2]{%
5472 \bidid@ReplaceFileWithText{#1}{#2}\@pkgextension
5473 }
5474 \newcommand*\bidid@ReplaceClass}[2]{%
5475 \bidid@ReplaceFileWithText{#1}{#2}\@clsextension
5476 }
5477 \newcommand*\bidid@UnreplaceFileWithText}[2]{%
5478 \ifcsname #1.#2-\bidid@aliasname\endcsname
5479 \expandafter\let\csname #1.#2-\bidid@aliasname\endcsname\relax
5480 \fi
5481 }
5482 \newcommand*\bidid@UnReplacePackage}[1]{%
5483 \bidid@UnreplaceFileWithText{#1}\@pkgextension
5484 }
5485 \newcommand*\bidid@UnReplaceClass}[1]{%
5486 \bidid@UnreplaceFileWithText{#1}\@clsextension
5487 }
5488 \newcommand*\bidid@ReplaceFile@msg}[2]{%
5489 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
5490 }
5491
5492 \newcommand*\bidid@load@hook}[2]{%
5493 \ifundefined{#2-@#1}{}%
5494 \nameuse{#2-@#1}%
5495 \expandafter\let\csname #2-@#1\endcsname=\relax}}
5496 \newcommand*\bidid@set@load@hook}[2]{%
5497 \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
5498 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
5499 \newcommand*\bidid@BeforeFile}{\bidid@set@load@hook{before}}
5500 \newcommand*\bidid@AfterFile}{\bidid@set@load@hook{after}}
5501 \newcommand*\bidid@BeforeClass}[1]{%
5502 \bidid@set@load@hook{before}{#1.\@clsextension}}
5503 \newcommand*\bidid@AfterClass}{%
5504 \ifstar {\@s@bidid@AfterClass}{%

```



```

5505 \ifnextchar +\@@@bidi@AfterClass{%
5506 \ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
5507 }%
5508 }%
5509 }
5510
5511 \newcommand*\@@@bidi@AfterClass}[2]{%
5512 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
5513 \aftergroup\@s@bidi@AfterClass
5514 \else
5515 \aftergroup\@bidi@AfterAtEndOfClass
5516 \fi
5517 \endgroup{#2}%
5518 }
5519
5520 \newcommand*\@bidi@AfterAtEndOfClass}[1]{%
5521 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
5522 \newcommand*\@@@bidi@AfterClass}[2]{%
5523 \begingroup
5524 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
5525 \aftergroup\@s@bidi@AfterClass
5526 \else
5527 \aftergroup\@bidi@AfterClass
5528 \fi
5529 \endgroup{#2}%
5530 }
5531
5532 \newcommand*\@bidi@AfterClass}[1]{%
5533 \bidi@set@load@hook{after}{#1.\@clsextension}}
5534 \newcommand*\@s@bidi@AfterClass}[1]{%
5535 \begingroup
5536 \@ifclassloaded{#1}{%
5537 \aftergroup\@secondoftwo
5538 }{%
5539 \aftergroup\@bidi@AfterClass
5540 }%
5541 \endgroup
5542 {#1}%
5543 }
5544
5545
5546 \newcommand*\@bidi@BeforePackage}[1]{%
5547 \bidi@set@load@hook{before}{#1.\@pkgextension}}
5548 \newcommand*\@bidi@AfterPackage}{%
5549 \@ifstar {\@s@bidi@AfterPackage}{%
5550 \@ifnextchar +\@@@bidi@AfterPackage{%
5551 \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
5552 }%
5553 }%
5554 }
5555 \newcommand*\@@@bidi@AfterPackage}[2]{%
5556 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
5557 \aftergroup\@s@bidi@AfterPackage
5558 \else

```



```

5559 \aftergroup\bid@AfterAtEndOfPackage
5560 \fi
5561 \endgroup{#2}%
5562 }
5563 \newcommand*{\bid@AfterAtEndOfPackage}[1]{%
5564 \bid@set@load@hook{lateafter}{#1.\@pkgextension}}
5565 \newcommand*{\@bid@AfterPackage}[2]{%
5566 \beginingroup
5567 \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
5568 \aftergroup\@s@bid@AfterPackage
5569 \else
5570 \aftergroup\@bid@AfterPackage
5571 \fi
5572 \endgroup{#2}%
5573 }
5574 \newcommand*{\@bid@AfterPackage}[1]{%
5575 \bid@set@load@hook{after}{#1.\@pkgextension}}
5576 \newcommand*{\@s@bid@AfterPackage}[1]{%
5577 \beginingroup
5578 \@ifpackageloaded{#1}{%
5579 \aftergroup\@secondoftwo
5580 }{%
5581 \aftergroup\@bid@AfterPackage
5582 }%
5583 \endgroup
5584 {#1}%
5585 }
5586
5587 \newcommand*{\bid@excludedpackages}{}
5588 \let\bid@excludedpackages\@empty
5589 \newcommand*{\bid@sav@RequirePackage}{}
5590 \newcommand*{\bid@PreventPackageFromLoading}{}
5591 \@ifstar{\@bid@PreventPackageFromLoading\PackageInfo}%
5592 {\@bid@PreventPackageFromLoading\PackageWarning}%
5593 }
5594 \newcommand*{\@bid@PreventPackageFromLoading}[1]{%
5595 \ifnextchar [%]
5596 {\@bid@PreventPackageFromLoading#1}{\@bid@PreventPackageFromLoading#1[]}%
5597 }
5598 \newcommand*{\@bid@PreventPackageFromLoading}{}
5599
5600 \def\@bid@PreventPackageFromLoading#1[#2]#3{%
5601 \edef\reserved@b{\zap@space#3 \@empty}%
5602 \ifx \reserved@b\@empty
5603 #1{biditools}{%
5604 \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
5605 argument ignored%
5606 }%
5607 \else
5608 \ifx\bid@excludedpackages\@empty
5609 \let\bid@sav@RequirePackage\RequirePackage
5610 \let\RequirePackage\bid@RequirePackage
5611 \def\reserved@a#1##{%
5612 \@latex@error

```



```

5613     {\noexpand \usepackage before \string\documentclass}%
5614     {\noexpand \usepackage may only appear in the document
5615      preamble, i.e.,\MessageBreak
5616      between \noexpand\documentclass and
5617      \string\begin{document}.}%
5618     \@gobble}%
5619 \ifx\reserved@a\usepackage\else
5620 \ifx\usepackage\bidisaved@RequirePackage\else
5621 \PackageWarning{biditools}{%
5622   Maybe serious problem: unexpected definition of\MessageBreak
5623   \string\usepackage
5624   }%
5625 \fi
5626 \let\usepackage\RequirePackage
5627 \fi
5628 \fi
5629 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
5630 \reserved@b\do {%
5631   \ifx\reserved@a@empty
5632     #1{biditools}{%
5633       empty package argument for
5634       \string\bidisaved@PreventPackageFromLoading\MessageBreak
5635       ignored%
5636     }%
5637   \else
5638     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
5639       #1{biditools}{%
5640         package '\reserved@a' already loaded.\MessageBreak
5641         Cannot prevent it from being loaded%
5642       }%
5643     }{%
5644       \edef\bidisaved@excludedpackages{\bidisaved@excludedpackages,%
5645         \reserved@a}%
5646       \if\relax\detokenize{#2}\relax\else
5647         \@ifundefined{bidisaved@exclude@package@\reserved@a @do}{%
5648           \@namedef{bidisaved@exclude@package@\reserved@a @do}{}%
5649         }{%
5650           \expandafter\def
5651           \csname bidisaved@exclude@package@\reserved@a
5652             @do\expandafter\expandafter\expandafter\endcsname
5653           \expandafter\expandafter\expandafter{%
5654             \csname bidisaved@exclude@package@\reserved@a @do\endcsname
5655             #2%
5656           }%
5657         \fi
5658       }%
5659     \fi
5660   }%
5661   \ifx\bidisaved@excludedpackages@empty
5662     \bidisaved@ResetPreventPackageFromLoading
5663   \fi
5664 \fi
5665 }
5666

```



```

5667 \@onlypreamble\bidipreventpackagefromloading
5668 \newcommand*{\bidiresetpreventpackagefromloading}{%
5669   \let\bidiecludedpackages\@empty
5670   \ifx\requirepackage\bidirequirepackage
5671     \ifx\usepackage\requirepackage
5672       \let\usepackage\bidisavedrequirepackage
5673     \fi
5674     \let\requirepackage\bidisavedrequirepackage
5675   \fi
5676 }
5677 \@onlypreamble\bidiresetpreventpackagefromloading
5678 \newcommand*{\bidistorepreventpackagefromloading}[1]{%
5679   \let#1\bidiecludedpackages
5680 }
5681 \@onlypreamble\bidistorepreventpackagefromloading
5682 \newcommand*{\bidipunpreventpackagefromloading}{%
5683   \@ifstar {\@tempswatrue\bidipunpreventpackagefromloading}%
5684             {\@tempswafalse\bidipunpreventpackagefromloading}%
5685 }
5686
5687 \newcommand*{\@bidipunpreventpackagefromloading}[1]{%
5688   \edef\reserved@b{\zap@space#1 \@empty}%
5689   \if@tempswa
5690     \@for\reserved@a=\reserved@b\do {%
5691       \ifx\reserved@a\@empty \else
5692         \ifcsname bidieclude@package@\reserved@a \do\endcsname
5693           \expandafter\let
5694             \csname bidieclude@package@\reserved@a \do\endcsname
5695             \undefined
5696         \fi
5697       \fi
5698     }%
5699   \fi
5700   \ifcsname bidiecludedpackages\endcsname
5701     \let\reserved@a\bidiecludedpackages
5702     \let\bidiecludedpackages\@empty
5703     \expandafter\@for\expandafter\reserved@c
5704     \expandafter:\expandafter=\reserved@a
5705     \do{%
5706       \ifx\reserved@c\@empty\else
5707         \@expandtwoargs\in{,\reserved@c,}{,\reserved@b,}%
5708         \ifin@
5709         \else
5710           \edef\bidiecludedpackages{%
5711             \bidiecludedpackages,\reserved@c
5712           }%
5713         \fi
5714       \fi
5715     }%
5716     \ifx\bidiecludedpackages\@empty\bidiresetpreventpackagefromloading\fi
5717   \fi
5718 }
5719
5720

```




```

5721 \newcommand*{\bidi@RequirePackage}[2] [] {%
5722   \let\reserved@c\@empty
5723   \let\reserved@d\@empty
5724   \edef\reserved@b{\zap@space#2 \@empty}%
5725   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
5726   \do {%
5727     \begingroup
5728     \@tempswatrue
5729     \@for\reserved@a:=\bidi@excludedpackages\do {%
5730       \ifx\reserved@a\reserved@b
5731         \@tempswafalse
5732       \fi
5733     }%
5734     \if@tempswa
5735       \xdef\reserved@c{\reserved@c,\reserved@b}%
5736     \else
5737       \ifx\reserved@b\@empty\else
5738         \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
5739           from loading}%
5740         \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
5741           }{%
5742             \expandafter\g@addto@macro\expandafter\reserved@d
5743             \csname bidi@exclude@package@\reserved@b @do\endcsname
5744           }%
5745       \fi
5746     \fi
5747   \endgroup
5748 }%
5749 \ifx\reserved@c\@empty
5750   \let\reserved@a\bidi@gobbleopt
5751 \else
5752   \edef\reserved@a{\noexpand\bidi@saves@RequirePackage[#1]{%
5753     \expandafter\@gobble\reserved@c\@empty}}%
5754 \fi
5755 \expandafter\reserved@d
5756 \reserved@a
5757 }
5758
5759 \newcommand{\bidi@gobbleopt}[1] [] {}
5760 \AtEndDocument{%
5761   \let\bidi@saves@checkend=\@checkend
5762   \renewcommand*{\@checkend}[1] {%
5763     \def\reserved@a{#1}\def\reserved@b{document}%
5764     \bidi@saves@checkend{#1}%
5765     \ifx\reserved@a\reserved@b
5766       \let\bidi@saves@clearpage=\clearpage
5767       \renewcommand*{\clearpage}{\bidi@saves@clearpage
5768         \bidi@hook@bcma
5769         \bidi@restore@newpage
5770         \let\clearpage=\bidi@saves@clearpage}%
5771     \fi%
5772     \let\bidi@saves@dofilelist\@dofilelist
5773     \def\@dofilelist{%
5774       \bidi@hook@acma

```



```

5775     \let\@dofilelist\@bidi@sav@dofilelist
5776     \bidi@sav@dofilelist
5777   }%
5778 }%
5779 }
5780
5781
5782 \newcommand*{\bidi@sav@checkend}{ }
5783 \newcommand*{\bidi@sav@dofilelist}{ }
5784 \newcommand*{\bidi@redefine@newpage}{%
5785   \let\bidi@sav@newpage\newpage
5786   \def\bidi@restore@newpage{%
5787     \renewcommand*{\newpage}{%
5788       \PackageWarningNoLine{%
5789         biditools%
5790       }{%
5791         \string\newpage\space at main aux file!\MessageBreak
5792         You have output material at the main aux file.\MessageBreak
5793         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
5794         are processed before the output from aux file%
5795       }%
5796       \let\newpage\bidi@sav@newpage
5797       \newpage
5798     }%
5799   }%
5800   \renewcommand*{\newpage}{%
5801     \PackageError{%
5802       biditools%
5803     }{%
5804       \string\newpage\space at \string\bidi@BeforeClosingMainAux
5805     }{%
5806       You should never use \string\newpage\space or
5807       \string\clear(double)page or other output material at the\MessageBreak
5808       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
5809       If you'll continue, the \string\newpage\space will be ignored to
5810       avoid corruption of\MessageBreak
5811       every prior use of \string\bidi@BeforeClosingMainAux.
5812     }%
5813   }%
5814 }
5815
5816 \newcommand*{\bidi@restore@newpage}{ }
5817 \newcommand*{\bidi@hook@bcma}{ }
5818 \newcommand*{\bidi@hook@acma}{ }
5819 \newcommand*{\bidi@BeforeClosingMainAux}{%
5820   \ifx\bidi@hook@bcma\@empty
5821     \gdef\bidi@hook@bcma{%
5822       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
5823       \let\protected@write\bidi@protected@immediate@write
5824       \bidi@redefine@newpage
5825     }%
5826   \fi
5827   \g@addto@macro\bidi@hook@bcma%
5828 }

```



```

5829
5830 \newcommand*{\bidi@AfterReadingMainAux}{%
5831   \ifx\bidi@hook@acma\@empty
5832     \gdef\bidi@hook@acma{%
5833       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
5834       \let\protected@write\bidi@protected@immediate@write
5835     }%
5836   \fi
5837   \g@addto@macro\bidi@hook@acma%
5838 }
5839
5840 \long\def\bidi@protected@immediate@write#1#2#3{%
5841   \begingroup
5842     #2%
5843     \let\protect\@unexpandable@protect
5844     \edef\reserved@a{\immediate\write#1{#3}}%
5845     \reserved@a
5846   \endgroup
5847   \if@nobreak\ifvmode\nobreak\fi\fi
5848 }
5849
5850 \def\bidi@patch@counter{0}%
5851 \if@bidi@csundef{numexpr}{%
5852   \def\bidi@patch@stepcounter{%
5853     \begingroup
5854       \count@\bidi@patch@counter\relax
5855       \advance\count@\@ne\relax
5856     \edef\x{\endgroup
5857       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
5858     }%
5859     \x
5860   }%
5861 }{%
5862   \def\bidi@patch@stepcounter{%
5863     \edef\bidi@patch@counter{%
5864       \the\numexpr\bidi@patch@counter+\@ne\relax
5865     }%
5866   }%
5867 }
5868 \def\bidi@patch@list{}
5869 \def\bidi@patch@Add{%
5870   \bidi@appto\bidi@patch@list
5871 }
5872 \def\bidi@patch@AfterPackage#1{%
5873   \@ifpackageloaded{#1}{%
5874     \@firstofone
5875   }{%
5876     \@bidi@patch@AfterPackage{#1}%
5877   }%
5878 }
5879 \def\@bidi@patch@AfterPackage#1{%
5880   \edef\bidi@patch@temp{#1}%
5881   \bidi@patch@stepcounter
5882   \expandafter\bidi@patch@@AfterPackage

```



```

5883 \csname @bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
5884 \bidi@patch@temp
5885 }%
5886 }
5887 \def\bidi@patch@@AfterPackage#1#2#3{%
5888 \begingroup
5889 \toks@{#3}%
5890 \xdef\bidi@patch@gtemp{%
5891 \noexpand\@ifpackageloaded{#2}{%
5892 \noexpand\let\noexpand#1\noexpand\relax
5893 \the\toks@
5894 }{}}%
5895 }%
5896 \endgroup
5897 \let#1\bidi@patch@gtemp
5898 \bidi@patch@Add#1%
5899 \bidi@patch@try{\bidi@AfterPackage}{#2}{#1}%
5900 }
5901
5902 \def\bidi@patch@try#1#2#3{%
5903 \if@bidi@csundef{#1}{}%
5904 \csname #1\endcsname{#2}{#3}%
5905 }%
5906 }
5907
5908 \AtBeginDocument{\bidi@patch@list}
5909
5910 \bidi@AtEndPreamble{\bidi@patch@list}%
5911
5912 \bidi@AfterEndPreamble{%
5913 \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
5914 \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
5915 \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
5916 \let\bidi@patch@OrgIfClassLater\@ifclasslater
5917 \bidi@patch@list
5918 \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
5919 \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
5920 \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
5921 \let\@ifclasslater\bidi@patch@OrgIfClassLater
5922 }%

```

39 File bidentuftefloat.sty

```

5923 \NeedsTeXFormat{LaTeX2e}
5924 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
5925 bidi implementation of tufte float]
5926 \RequirePackage{xifthen}
5927 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
5928 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
5929 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidentuftefloat@debug}}{\bid
5930 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
5931 \newboolean{@bidentuftefloat@reversegeometry}
5932 \setboolean{@bidentuftefloat@reversegeometry}{false}
5933 \DeclareOption{reversegeometry}{\setboolean{@bidentuftefloat@reversegeometry}{true}}

```



```

5934 \newboolean{@biditytfloat@a4paper}
5935 \DeclareOption{a4paper}{\setboolean{@biditytfloat@a4paper}{true}}
5936 \newboolean{@biditytfloat@b5paper}
5937 \DeclareOption{b5paper}{\setboolean{@biditytfloat@b5paper}{true}}
5938 \newboolean{@biditytfloat@symmetric}
5939 \newboolean{@biditytfloat@twoside}
5940 \DeclareOption{twoside}{%
5941 \@twoside true \mparswitch true%
5942 \setboolean{@biditytfloat@twoside}{true}%
5943 \setboolean{@biditytfloat@symmetric}{true}%
5944 }
5945 \DeclareOption{oneside}{%
5946 \@twoside false \mparswitch false%
5947 \setboolean{@biditytfloat@twoside}{false}%
5948 \setboolean{@biditytfloat@symmetric}{false}%
5949 }
5950 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
5951 \newboolean{@biditytfloat@debug}
5952 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetected}
5953 \ProcessOptions
5954 %% Globally sets the length
5955 \newcommand*{\gsetlength}[2]{%
5956 \setlength{#1}{#2}%
5957 \global#1=#1\relax%
5958 }
5959
5960 %% Set the font sizes and baselines to match biditytfloat's books
5961 \renewcommand\normalsize{%
5962 \setfontsize\normalsize\@xpt{14}%
5963 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
5964 \abovedisplayshortskip \z@ \@plus3\p@
5965 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
5966 \belowdisplayskip \abovedisplayskip
5967 \let\@listi\@listI}
5968 \normalbaselineskip=14pt
5969 \normalsize
5970 \renewcommand\footnotesize{%
5971 \setfontsize\footnotesize\@viipt{10}%
5972 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
5973 \abovedisplayshortskip \z@ \@plus\p@
5974 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
5975 \def\@listi{\leftmargin\leftmarginI
5976 \topsep 3\p@ \@plus\p@ \@minus\p@
5977 \parsep 2\p@ \@plus\p@ \@minus\p@
5978 \itemsep \parsep}%
5979 \belowdisplayskip \abovedisplayskip
5980 }
5981 %% Paragraph indentation and separation for marginal text
5982 \newcommand{\@biditytfloat@margin@par}{%
5983 \setlength{\RaggedRightParindent}{0.5pc}%
5984 \setlength{\JustifyingParindent}{0.5pc}%
5985 \setlength{\parindent}{0.5pc}%
5986 \setlength{\parskip}{0pt}%
5987 }

```



```

5988 \RequirePackage{ragged2e}
5989 \ifthenelse{\boolean{@bidituftefloat@reversegeometry}}{%
5990 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpa
5991 \ifthenelse{\boolean{@bidituftefloat@a4paper}}
5992   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
5993   {}
5994 \ifthenelse{\boolean{@bidituftefloat@b5paper}}
5995   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
5996   {}}%
5997 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpa
5998 \ifthenelse{\boolean{@bidituftefloat@a4paper}}
5999   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
6000   {}
6001 \ifthenelse{\boolean{@bidituftefloat@b5paper}}
6002   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
6003   {}
6004 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
6005   {}
6006   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
6007 \setlength\marginparpush{10pt}
6008 %% Font for margin items
6009 \newcommand{\@bidituftefloat@marginfont}{\normalfont\footnotesize}
6010 \newcommand*{\@bidituftefloat@caption@font}{\@bidituftefloat@marginfont}
6011 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidituftefloat@caption@font}{#1}}
6012 \newcommand{\@bidituftefloat@justification}{\justifying}%
6013 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
6014 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
6015 \newboolean{@bidituftefloat@changepage}
6016 \IfFileExists{changepage.sty}{%
6017   \bidituftefloatDebugInfoNL{Found changepage.sty}
6018   \RequirePackage[strict]{changepage}
6019   \setboolean{@bidituftefloat@changepage}{true}
6020 }{%
6021   \bidituftefloatDebugInfoNL{Found chngpage.sty}
6022   \RequirePackage[strict]{chngpage}
6023   \setboolean{@bidituftefloat@changepage}{false}
6024 }
6025 \newboolean{@bidituftefloat@odd@page}
6026 \setboolean{@bidituftefloat@odd@page}{true}
6027 \newcommand*{\@bidituftefloat@checkoddpage}{%
6028   \checkoddpage%
6029   \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
6030     \ifoddpage%
6031       \setboolean{@bidituftefloat@odd@page}{true}%
6032     \else%
6033       \setboolean{@bidituftefloat@odd@page}{false}%
6034     \fi%
6035   }{%
6036     \ifcpoddpage%
6037       \setboolean{@bidituftefloat@odd@page}{true}%
6038     \else%
6039       \setboolean{@bidituftefloat@odd@page}{false}%
6040     \fi%
6041   }%

```



```

6042 }
6043 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
6044 \newlength{\@biditytfloat@fullwidth}
6045 \newlength{\@biditytfloat@caption@fill}
6046 \newcommand{\@biditytfloatRecalculate}{%
6047   \setlength{\@biditytfloat@overhang}{\marginparwidth}
6048   \addtolength{\@biditytfloat@overhang}{\marginparsep}
6049
6050   \setlength{\@biditytfloat@fullwidth}{\textwidth}
6051   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
6052   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
6053
6054   \setlength{\@biditytfloat@caption@fill}{\textwidth}
6055   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
6056 }
6057 \AtBeginDocument{\@biditytfloatRecalculate}
6058 \RequirePackage{optparams}% provides multiple optional arguments for commands
6059 \RequirePackage{placeins}
6060 \newsavebox{\@biditytfloat@margin@floatbox}
6061 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
6062   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
6063   {\begin{lrbox}{\@biditytfloat@margin@floatbox}%
6064     \begin{minipage}{\marginparwidth}%
6065       \@biditytfloat@caption@font%
6066       \def\@capttype{#2}%
6067       \hbox{\vspace*{#1}%
6068         \@biditytfloat@caption@justification%
6069         \@biditytfloat@margin@par%
6070         \noindent%
6071       }
6072     {\end{minipage}%
6073     \end{lrbox}%
6074     \marginpar{\usebox{\@biditytfloat@margin@floatbox}}}%
6075   }
6076 \newenvironment{marginfigure}[1][-1.2ex]%
6077   {\begin{@biditytfloat@margin@float}[#1]{figure}}
6078   {\end{@biditytfloat@margin@float}}
6079 \newenvironment{margintable}[1][-1.2ex]%
6080   {\begin{@biditytfloat@margin@float}[#1]{table}}
6081   {\end{@biditytfloat@margin@float}}
6082 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
6083
6084 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
6085 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
6086   \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}{%
6087     {\def\@biditytfloat@float@debug@info{#1}}%
6088     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
6089   }
6090 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
6091 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug{setfloatalignment}}
6092 \newboolean{@biditytfloat@float@recto}
6093 \newcommand{\forcerectoofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{forcerectoofloat}}
6094 \newcommand{\forceversoofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{forceversoofloat}}
6095 \newsavebox{\@biditytfloat@figure@box}

```



```

6096 \newsavebox{\@biditytffloat@caption@box}
6097 \let\@biditytffloat@orig@float\@float
6098 \let\@biditytffloat@orig@endfloat@endfloat
6099 \newlength{\@biditytffloat@caption@vertical@offset}
6100 \setlength{\@biditytffloat@caption@vertical@offset}{0pt}
6101 \newcommand{\@biditytffloat@stored@shortcaption}{}
6102 \newcommand{\@biditytffloat@stored@caption}{}
6103 \newcommand{\@biditytffloat@stored@label}{}
6104 \long\def\@biditytffloat@caption[#1][#2]#3{%
6105   \ifthenelse{\isempty{#1}}%
6106     {\gdef\@biditytffloat@stored@shortcaption{#3}}%
6107     {\gdef\@biditytffloat@stored@shortcaption{#1}}%
6108   \gsetlength{\@biditytffloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
6109   \gdef\@biditytffloat@stored@caption{#3}%
6110 }
6111 \newcommand{\@biditytffloat@label}[1]{%
6112   \gdef\@biditytffloat@stored@label{#1}%
6113 }
6114 \newcommand{\@biditytffloat@fps}{}
6115 \newboolean{\@biditytffloat@float@star}
6116 \newlength{\@biditytffloat@float@contents@width}
6117 \newenvironment{\@biditytffloat@float}[3][htbp]{%
6118   {% begin \@biditytffloat@float
6119     % Should this float be full-width or just text-width?
6120     \ifthenelse{\equal{#3}{star}}%
6121       {\GlobalSetBoolean{\@biditytffloat@float@star}{true}}%
6122       {\GlobalSetBoolean{\@biditytffloat@float@star}{false}}%
6123     % Check page side (recto/verso) and store detected value -- can be overridden in environm
6124     \@biditytffloat@checkoddpag%
6125     \ifthenelse{\boolean{\@biditytffloat@odd@page}}%
6126       {\GlobalSetBoolean{\@biditytffloat@float@recto}{true}}\@biditytffloat@float@debug{Dete
6127       {\GlobalSetBoolean{\@biditytffloat@float@recto}{false}}\@biditytffloat@float@debug{Det
6128     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
6129     \renewcommand{\@biditytffloat@fps}{#1}%
6130     \@biditytffloat@float@debug{Allowed positions: [ #1 ]}%
6131     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
6132       {\renewcommand{\floatalignment}{b}}\@biditytffloat@float@debug{Presumed position: [bot
6133       {\renewcommand{\floatalignment}{t}}\@biditytffloat@float@debug{Presumed position: [top
6134     % Capture the contents of the \caption and \label commands to use later
6135     \global\let\@biditytffloat@orig@caption\caption%
6136     \global\let\@biditytffloat@orig@label\label%
6137     \renewcommand{\caption}{\optparams{\@biditytffloat@caption}{[ ] [Opt]}}%
6138     \renewcommand{\label}[1]{\@biditytffloat@label{##1}}%
6139     % Handle subfigure package compatibility
6140     \ifthenelse{\boolean{\@biditytffloat@packages@subfigure}}{%
6141       \bidi@patchcmd{\subfigure}{%
6142         \let\subfig@oldlabel=\label
6143       }{%
6144         \let\subfig@oldlabel=\@biditytffloat@orig@label
6145       }
6146     }
6147     {}
6148     \let\subtable=\subfigure
6149   }{}% subfigure package is not loaded

```




```

6150 \@biditytfloat@orig@float{#2}[#1]%
6151 \ifthenelse{\boolean{@biditytfloat@float@star}}%
6152   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
6153   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
6154 \begin{lrbox}{\@biditytfloat@figure@box}%
6155 \begin{minipage}{\floatalignment}{\@biditytfloat@float@contents@width}\hbox{}%
6156 }{\% end @biditytfloat@float
6157   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
6158   \end{minipage}%
6159 \end{lrbox}%
6160 % build the caption box
6161 \begin{lrbox}{\@biditytfloat@caption@box}%
6162 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
6163   \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@cap
6164   \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label
6165   \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
6166   \end{minipage}%
6167 \end{lrbox}%
6168 % now typeset the stored boxes
6169 \begin{fullwidth}%
6170 \begin{minipage}{\floatalignment}{\linewidth}%
6171   \ifthenelse{\boolean{@biditytfloat@float@star}}%
6172     {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
6173     {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
6174   \end{minipage}%
6175 \end{fullwidth}%
6176 \@biditytfloat@orig@endfloat% end original LaTeX float environment
6177 % output debug info
6178 \ifthenelse{\boolean{@biditytfloat@debug}}{%
6179   \typeout{^^J^^J----- biditytfloat package float information -----}%
6180   \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
6181     {\typeout{Warning: Float unlabeled!}}%
6182     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
6183   \typeout{Page number: [\thepage]}%
6184   \def\MessageBreak{^^J}%
6185   \typeout{\@biditytfloat@float@debug@info}%
6186   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
6187     {\typeout{Symmetric: [true]}}%
6188     {\typeout{Symmetric: [false]}}%
6189   \typeout{-----^^J^^J}%
6190 }{}%
6191 % reset commands and temp boxes and captions
6192 \gdef\@biditytfloat@float@debug@info{}%
6193 \let\caption\@biditytfloat@orig@caption%
6194 \let\label\@biditytfloat@orig@label%
6195 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
6196 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
6197 \gdef\@biditytfloat@stored@shortcaption{}%
6198 \gdef\@biditytfloat@stored@caption{}%
6199 \gdef\@biditytfloat@stored@label{}%
6200 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
6201 }
6202 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
6203   \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto

```



```

6204 % asymmetric or page is odd, so caption is on the right
6205 \hbox{%
6206   \usebox{#2}%
6207   \hspace{\marginparsep}%
6208   \smash{\raisebox{#1}{\usebox{#3}}}%
6209 }
6210 \@bituftefloat@float@debug{Caption position: [right]}%
6211 }{% symmetric pages and page is even, so caption is on the left
6212   \hbox{%
6213     \smash{\raisebox{#1}{\usebox{#3}}}%
6214     \hspace{\marginparsep}%
6215     \usebox{#2}%
6216   }
6217   \@bituftefloat@float@debug{Caption position: [left]}%
6218 }%
6219 }
6220 \newcommand{\@bituftefloat@float@fullwidth}[3][Opt]{%
6221   \ifthenelse{\equal{\floatalignment}{b}}{%
6222     {% place caption above figure
6223       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@right}}%
6224       {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bituftefloat@float@debug}
6225       {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bituftefloat@float@debug}
6226     }{% place caption below figure
6227       \ifthenelse{\NOT\boolean{@bituftefloat@symmetric}}\OR\boolean{@bituftefloat@float@right}}%
6228       {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bituftefloat@float@debug}
6229       {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug}
6230     }%
6231 }
6232 \renewenvironment{figure}[1][htbp]%
6233   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
6234   {\end{@bituftefloat@float}}
6235 \renewenvironment{table}[1][htbp]
6236   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
6237   {\end{@bituftefloat@float}}
6238 \renewenvironment{figure*}[1][htbp]%
6239   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
6240   {\end{@bituftefloat@float}}
6241 \renewenvironment{table*}[1][htbp]%
6242   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
6243   {\end{@bituftefloat@float}}
6244 \newenvironment{fullwidth}
6245   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
6246     {\ifthenelse{\boolean{@bituftefloat@change page}}{\begin{adjustwidth*}}{-\@bituftefloat@overhang}}%
6247     {\begin{adjustwidth*}}{-\@bituftefloat@overhang}}%
6248   }%
6249   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
6250     {\ifthenelse{\boolean{@bituftefloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth*}}%
6251     {\end{adjustwidth*}}}%
6252 }
6253 \long\def\caption#1[#2]#3{%
6254   \par%
6255   \addcontentsline{\csname ext@#1\endcsname}{#1}%
6256   {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
6257   \begingroup%

```



```

6258 \parboxrestore%
6259 \if@minipage%
6260 \setminipage%
6261 \fi%
6262 \@bituftefloat@caption@font\@bituftefloat@caption@justification%
6263 \noindent\csname fnum@#1\endcsname:\ignorespaces#3\par%
6264 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
6265 \endgroup}
6266 %%
6267 % Turns newlines into spaces. Based on code from the `titlesec' package.
6268 \DeclareRobustCommand{\@bituftefloating@newlinetospace}{%
6269 \ifstar{\@bituftefloating@newlinetospace@i}{\@bituftefloating@newlinetospace@i}%
6270 }
6271 \def\@bituftefloating@newlinetospace@i{%
6272 \ifdim\lastskip>\z@\else\space\fi
6273 \ignorespaces%
6274 }
6275 \DeclareRobustCommand{\newlinetospace}[1]{%
6276 \let\@bituftefloating@orig@cr\\% save the original meaning of \\
6277 \def\\{\@bituftefloating@newlinetospace}% turn \\ and \\* into \space
6278 \let\newline\\% turn \newline into \space
6279 #1%
6280 \let\\ \@bituftefloating@orig@cr% revert to original meaning of \\
6281 }
6282 \RequirePackage{fancyhdr}
6283 \pagestyle{fancy}
6284 \AtBeginDocument{%
6285 \ifthenelse{\boolean{@bituftefloat@symmetric}}{
6286 {\fancyhfoffset[LE,RO]{\@bituftefloat@overhang}}
6287 {\fancyhfoffset[RE,RO]{\@bituftefloat@overhang}}
6288 }
6289 % The running heads/feet don't have rules
6290 \renewcommand{\headrulewidth}{0pt}
6291 \renewcommand{\footrulewidth}{0pt}
6292 % The 'fancy' page style is the default style for all pages.
6293 \fancyhf{} % clear header and footer fields
6294 \ifthenelse{\boolean{@bituftefloat@symmetric}}{
6295 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
6296 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
6297 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
6298 % The 'plain' page style is used on chapter opening pages.
6299 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
6300 % bottom of pages -- the folios are unexpressed.
6301 \fancypagestyle{plain}{
6302 \fancyhf{} % clear header and footer fields
6303 % Uncomment the following five lines of code if you want the opening page
6304 % of the chapter to express the folio in the lower outside corner.
6305 % \ifthenelse{\boolean{@bituftefloat@symmetric}}{
6306 % {\fancyfoot[LE,RO]{\thepage}}
6307 % {\fancyfoot[RE,RO]{\thepage}}
6308 }
6309 % The 'empty' page style suppresses all headers and footers.
6310 % It's used on title pages and 'intentionally blank' pages.
6311 \fancypagestyle{empty}{

```



```

6312 \fancyhf{} % clear header and footer fields
6313 }
6314 \def\morefloats{% provides a total of 52 floats
6315 \ifthenelse{\isundefined{\bx@S}}{%
6316 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
6317 \newinsert\bx@S
6318 \newinsert\bx@T
6319 \newinsert\bx@U
6320 \newinsert\bx@V
6321 \newinsert\bx@W
6322 \newinsert\bx@X
6323 \newinsert\bx@Y
6324 \newinsert\bx@Z
6325 \newinsert\bx@a
6326 \newinsert\bx@b
6327 \newinsert\bx@c
6328 \newinsert\bx@d
6329 \newinsert\bx@e
6330 \newinsert\bx@f
6331 \newinsert\bx@g
6332 \newinsert\bx@h
6333 \newinsert\bx@i
6334 \newinsert\bx@j
6335 \newinsert\bx@k
6336 \newinsert\bx@l
6337 \newinsert\bx@m
6338 \newinsert\bx@n
6339 \newinsert\bx@o
6340 \newinsert\bx@p
6341 \newinsert\bx@q
6342 \newinsert\bx@r
6343 \newinsert\bx@s
6344 \newinsert\bx@t
6345 \newinsert\bx@u
6346 \newinsert\bx@v
6347 \newinsert\bx@w
6348 \newinsert\bx@x
6349 \newinsert\bx@y
6350 \newinsert\bx@z
6351 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
6352 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
6353 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
6354 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
6355 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
6356 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
6357 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
6358 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
6359 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
6360 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
6361 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
6362 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
6363 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
6364 \ifthenelse{\isundefined{\bx@AA}}{%
6365 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}

```



```

6366 \newinsert\bx@AA
6367 \newinsert\bx@BB
6368 \newinsert\bx@CC
6369 \newinsert\bx@DD
6370 \newinsert\bx@EE
6371 \newinsert\bx@FF
6372 \newinsert\bx@GG
6373 \newinsert\bx@HH
6374 \newinsert\bx@II
6375 \newinsert\bx@JJ
6376 \newinsert\bx@KK
6377 \newinsert\bx@LL
6378 \newinsert\bx@MM
6379 \newinsert\bx@NN
6380 \newinsert\bx@OO
6381 \newinsert\bx@PP
6382 \newinsert\bx@QQ
6383 \newinsert\bx@RR
6384 \newinsert\bx@SS
6385 \newinsert\bx@TT
6386 \newinsert\bx@UU
6387 \newinsert\bx@VV
6388 \newinsert\bx@WW
6389 \newinsert\bx@XX
6390 \newinsert\bx@YY
6391 \newinsert\bx@ZZ
6392 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
6393 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
6394 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
6395 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
6396 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
6397 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
6398 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
6399 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
6400 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
6401 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
6402 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
6403 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
6404 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
6405 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
6406 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
6407 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
6408 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
6409 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
6410 }{%
6411 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
6412 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
6413 }%
6414 }%
6415 }
6416 \newboolean{@biditytfloat@packages@subfigure}
6417 \setboolean{@biditytfloat@packages@subfigure}{false}
6418 \AtBeginDocument{%
6419 \ifpackageloaded{subfigure}

```



```

6420   {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
6421   {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
6422 }
6423 \AtBeginDocument{%
6424   \@ifpackageloaded{float}{%
6425     % Save the redefined float environment (instead of the LaTeX float environment)
6426     \let\@biditytfloat@orig@float\@float
6427     \let\@biditytfloat@orig@endfloat\end@float
6428
6429     % Define Tuftian float styles (with the caption in the margin)
6430     \newcommand{\floatc@biditytfloatplain}[2]{%
6431       \begin{lrbox}{\@biditytfloat@caption@box}%
6432       \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
6433         \@biditytfloat@caption@font{\@fs@font #1:} #2\par%
6434       }\end{minipage}%
6435       \end{lrbox}%
6436       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
6437   }
6438   \newcommand{\fs@biditytfloatplain}{%
6439     \def\@fs@font{\@biditytfloat@caption@font}%
6440     \let\@fs@capt\floatc@biditytfloatplain%
6441     \def\@fs@pre{%
6442       \def\@fs@post{%
6443         \def\@fs@mid{%
6444           \let\@fs@iftopcapt\iftrue%
6445         }
6446         \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
6447         \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
6448         \newcommand\floatc@biditytfloatruled[2]{%
6449           {\@fs@font #1} #2\par%
6450         }
6451         \newcommand\fs@biditytfloatruled{%
6452           \def\@fs@font{\@biditytfloat@caption@font}%
6453           \let\@fs@capt\floatc@biditytfloatplain%
6454           \def\@fs@pre{\hrule height .8pt depth 0pt width \textwidth \kern 2pt}%
6455           \def\@fs@post{\kern 2pt\hrule width \textwidth \relax}%
6456           \def\@fs@mid{%
6457             \let\@fs@iftopcapt\iftrue%
6458           }
6459           \newcommand\fs@biditytfloatboxed{%
6460             \def\@fs@font{}%
6461             \let\@fs@capt\floatc@biditytfloatplain%
6462             \def\@fs@pre{%
6463               \setbox\@currbox\ vbox{\hbadness 10000
6464               \moveleft 3.4pt\ vbox{\advance\hsize by 6.8pt
6465               \hrule \hbox to \hsize{\vrule\kern 3pt
6466               \vbox{\kern 3pt\box\@currbox\kern 3pt}\kern 3pt\vrule}\hrule}}
6467             }%
6468             \def\@fs@mid{\kern 2pt}%
6469             \def\@fs@post{}%
6470             \let\@fs@iftopcapt\iftrue%
6471           }
6472         }%
6473       }%

```



```

6474 }
6475 }
6476 \AtBeginDocument{%
6477   \ifpackageloaded{algorithm}{%
6478     % Set the float style to the Tufte version
6479     \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\AL
6480       \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
6481       \floatstyle{\bidituftefloat\ALG@floatstyle}%
6482       \restylefloat{algorithm}%
6483     }{}%
6484   }{%
6485     % Nothing to do
6486   }
6487 }
6488 \PassOptionsToPackage{caption=false}{subfig}

```

40 File `bidituftesidenote.sty`

```

6489 \NeedsTeXFormat{LaTeX2e}
6490 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
6491 bidi implementation of tufte sidenote]
6492 \RequirePackage{xifthen}
6493 \RequirePackage{ragged2e}
6494 \RequirePackage{setspace}
6495 \RequirePackage{biditools}
6496 \def\bidituftesidenotemarginpar{%
6497   \ifhmode
6498     \@bsphack
6499     \floatpenalty -\@Mii
6500   \else
6501     \floatpenalty -\@Miii
6502   \fi
6503   \ifinner
6504     \parmoderr
6505     \floatpenalty \z@
6506   \else
6507     \next\@currbox\@freelist{}{}%
6508     \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6509     {\floatpenalty \z@
6510      \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6511   \fi
6512   \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
6513 \long\def\@bidituftesidenotexmpar[#1]#2{%
6514   \@bidituftesidenotesavemarbox\@marbox{#1}%
6515   \@bidituftesidenotesavemarbox\@currbox{#2}%
6516   \@xympar}
6517 \long\def\@bidituftesidenoteympar#1{%
6518   \@bidituftesidenotesavemarbox\@marbox{#1}%
6519   \global\setbox\@currbox\copy\@marbox
6520   \@xympar}
6521 \long\def \@bidituftesidenotesavemarbox #1#2{%
6522   \global\setbox #1%
6523     \color@vbox
6524     \vtop{%

```



```

6525         \hsize\marginparwidth
6526         \@parboxrestore
6527         \@bituftesidenotemarginparreset
6528         #2%
6529         \@minipagefalse
6530         \outer@nobreak
6531     }%
6532     \color@endbox
6533 }
6534 \def \@bituftesidenotemarginparreset {%
6535     \reset@font
6536     \normalsize
6537     \@minipagetrue
6538     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
6539 }
6540 \def\LTRbituftesidenotemarginpar{%
6541     \ifhmode
6542         \@bsphack
6543         \@floatpenalty -\@Mii
6544     \else
6545         \@floatpenalty-\@Miii
6546     \fi
6547     \ifinner
6548         \@parmoderr
6549         \@floatpenalty\z@
6550     \else
6551         \@next\@currbox\@freelist{}\{}%
6552         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6553         {\@floatpenalty\z@
6554         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6555     \fi
6556     \ifnextchar [\@LTRbituftesidenotexmpar\@LTRbituftesidenoteympar}
6557 \long\def\@LTRbituftesidenotexmpar[#1]#2{%
6558     \@LTRbituftesidenotesavemarbox\@marbox{#1}%
6559     \@LTRbituftesidenotesavemarbox\@currbox{#2}%
6560     \@xympar}
6561 \long\def\@LTRbituftesidenoteympar#1{%
6562     \@LTRbituftesidenotesavemarbox\@marbox{#1}%
6563     \global\setbox\@currbox\copy\@marbox
6564     \@xympar}
6565 \long\def \@LTRbituftesidenotesavemarbox #1#2{%
6566     \global\setbox #1%
6567         \color@vbox
6568         \vtop{%
6569             \hsize\marginparwidth
6570             \@parboxrestore
6571             \@LTRbituftesidenotemarginparreset
6572             #2%
6573             \@minipagefalse
6574             \outer@nobreak
6575         }%
6576     \color@endbox
6577 }
6578 \def \@LTRbituftesidenotemarginparreset {%

```




```

6579         \reset@font
6580         \normalsize
6581         \@minipagetrue
6582         \everypar{\@minipagefalse\everypar{}\beginL}%
6583 }
6584 \def\RTLbidityftesidenotemarginpar{%
6585   \ifhmode
6586     \@bsphack
6587     \@floatpenalty -\@Mii
6588   \else
6589     \@floatpenalty-\@Miii
6590   \fi
6591   \ifinner
6592     \@parmoderr
6593     \@floatpenalty\z@
6594   \else
6595     \@next\@currbox\@freelist{}\{}%
6596     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6597     {\@floatpenalty\z@
6598       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6599   \fi
6600   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
6601 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
6602   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
6603   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
6604   \@xympar}
6605 \long\def\@RTLbidityftesidenoteympar#1{%
6606   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
6607   \global\setbox\@currbox\copy\@marbox
6608   \@xympar}
6609 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
6610   \global\setbox #1%
6611     \color@vbox
6612     \vtop{%
6613       \hsize\marginparwidth
6614       \@parboxrestore
6615       \@RTLbidityftesidenotemarginparreset
6616       #2%
6617       \@minipagefalse
6618       \outer@nobreak
6619     }%
6620   \color@endbox
6621 }
6622 \def \@RTLbidityftesidenotemarginparreset {%
6623   \reset@font
6624   \normalsize
6625   \@minipagetrue
6626   \everypar{\@minipagefalse\everypar{}\beginR}%
6627 }
6628 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
6629 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
6630 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
6631 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
6632 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}

```



```

6633 \newcommand*{\@bidityftesidenote@RTLsidenote@font}{\@bidityftesidenote@RTLmarginfont}
6634 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
6635 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
6636 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
6637 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
6638 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
6639 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
6640 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
6641 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
6642 \newcommand*{\setRTLsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
6643 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
6644 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
6645 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
6646 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
6647 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
6648 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
6649 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@a}
6650 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@a}
6651 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@a}
6652 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
6653 \newcommand{\@bidityftesidenote@margin@par}{%
6654   \setlength{\RaggedRightParindent}{0.5pc}%
6655   \setlength{\JustifyingParindent}{0.5pc}%
6656   \setlength{\parindent}{0.5pc}%
6657   \setlength{\parskip}{0pt}%
6658 }
6659 %%
6660 % Globally sets the length
6661 \@ifundefined{gsetlength}{%
6662 \newcommand*{gsetlength}[2]{%
6663   \setlength{#1}{#2}%
6664   \global#1=#1\relax%
6665 }%
6666 }{}
6667
6668 %%
6669 % A function that removes leading and trailing spaces from the supplied macro.
6670 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
6671 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
6672 % being trimmed of leading and trailing white space.
6673 \catcode\Q=3
6674 \def\@bidityftesidenote@trim@spaces#1{%
6675   % Use grouping to emulate a multi-token afterassignment queue
6676   \begingroup%
6677   % Put \toks 0 {' into the afterassignment queue
6678   \aftergroup\toks\aftergroup0\aftergroup{%
6679   % Apply \trimb to the replacement text of #1, adding a leading
6680   % \noexpand to prevent brace stripping and to serve another purpose
6681   % later.
6682   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q}%
6683   % Transfer the trimmed text back into #1.
6684   \edef#1{\the\toks0}%
6685 }
6686 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to

```



```

6687% clean up any leftover bizarre Qs, and trim a leading space. In
6688% order for \trimc to work properly we need to put back a Q first.
6689\def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
6690% Execute \vfuzz assignment to remove leading space; the \noexpand
6691% will now prevent unwanted expansion of a macro or other expandable
6692% token at the beginning of the trimmed text. The \endgroup will feed
6693% in the \aftergroup tokens after the \vfuzz assignment is completed.
6694\def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
6695\catcode\Q=11
6696%%
6697% Citations should go in the margin as sidenotes
6698
6699\RequirePackage{natbib}
6700\RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
6701% Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
6702\renewcommand\BR@b@bibitem[2] []{%
6703  \ifthenelse{\isempty{#1}}{%
6704    {\BR@b@bibitem{#2}}%
6705    {\BR@b@bibitem{#1}{#2}}%
6706    \BR@c@bibitem{#2}%
6707  }
6708\bid@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
6709%%
6710% Normal \cite behavior
6711\newcounter{@bidityftesidenote@num@bibkeys}%
6712\newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
6713  % Snag the last bibentry in the list for later comparison
6714  \let\@temp@last@bibkey\@empty%
6715  \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6716  \sidenote[] [#1]{%
6717    % Loop through all the bibentries, separating them with semicolons and spaces
6718    \normalsize\normalfont\@bidityftesidenote@citation@font%
6719    \setcounter{@bidityftesidenote@num@bibkeys}{0}%
6720    \@for\@temp@bibkeyx:=#2\do{%
6721      \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6722        {\ifthenelse{\equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
6723          \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6724          \bibentry{\@temp@bibkeyx}}%
6725        {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6726          \bibentry{\@temp@bibkeyx};\ }%
6727        \stepcounter{@bidityftesidenote@num@bibkeys}%
6728      }%
6729    }%
6730  }
6731\newcommand{\@bidityftelTRsidenote@normal@cite}[2] [Opt]{%
6732  % Snag the last bibentry in the list for later comparison
6733  \let\@temp@last@bibkey\@empty%
6734  \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6735  \LTRsidenote[] [#1]{%
6736    % Loop through all the bibentries, separating them with semicolons and spaces
6737    \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
6738    \setcounter{@bidityftesidenote@num@bibkeys}{0}%
6739    \@for\@temp@bibkeyx:=#2\do{%
6740      \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%

```



```

6741         {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\ }%
6742         \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6743         \bibentry{\@temp@bibkeyx}}%
6744         {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6745         \bibentry{\@temp@bibkeyx};\ }%
6746     \stepcounter{@biditufte sidenote@num@bibkeys}%
6747 }%
6748 }%
6749 }
6750 \newcommand{\@biditufteRTLsidenote@normal@cite}[2][Opt]{%
6751 % Snag the last bibentry in the list for later comparison
6752 \let\@temp@last@bibkey\@empty%
6753 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6754 RTLsidenote[] [#1]{%
6755 % Loop through all the bibentries, separating them with semicolons and spaces
6756 \normalsize\normalfont\@biditufte sidenote@citation@font%
6757 \setcounter{@biditufte sidenote@num@bibkeys}{0}%
6758 \@for\@temp@bibkeyx:=#2\do{%
6759 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
6760 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\ }%
6761 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6762 \bibentry{\@temp@bibkeyx}}%
6763 {\@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6764 \bibentry{\@temp@bibkeyx};\ }%
6765 \stepcounter{@biditufte sidenote@num@bibkeys}%
6766 }%
6767 }%
6768 }
6769 %%
6770 % Macros for holding the list of cite keys until after the \sidenote
6771 \gdef\@biditufte sidenote@citations{}% list of cite keys
6772 \newcommand\@biditufte sidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
6773 \ifx\@biditufte sidenote@citations\@empty\else
6774 \g@addto@macro\@biditufte sidenote@citations{,}% separate by commas
6775 \fi
6776 \g@addto@macro\@biditufte sidenote@citations{#1}
6777 }
6778 \newcommand{\@biditufte sidenote@print@citations}[1][Opt]{% puts the citations in a margin no
6779 % Snag the last bibentry in the list for later comparison
6780 \let\@temp@last@bibkey\@empty%
6781 \@for\@temp@bibkey:=\@biditufte sidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
6782 \marginpar{%
6783 \hbox{}\vspace*{#1}%
6784 \@biditufte sidenote@citation@font%
6785 \@biditufte sidenote@citation@justification%
6786 \@biditufte sidenote@margin@par% use parindent and parskip settings for marginal text
6787 \vspace*{-1\baselineskip}%
6788 % Loop through all the bibentries, separating them with semicolons and spaces
6789 \setcounter{@biditufte sidenote@num@bibkeys}{0}%
6790 \@for\@temp@bibkeyx:=\@biditufte sidenote@citations\do{%
6791 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
6792 {\ifthenelse{\equal{\value{@biditufte sidenote@num@bibkeys}}{0}}{\and\ }%
6793 \@biditufte sidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6794 \bibentry{\@temp@bibkeyx}}%

```



```

6795      {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6796      \bibentry{\@temp@bibkeyx};\ }%
6797      \stepcounter{\@bidityftesidenote@num@bibkeys}%
6798      }%
6799      }%
6800  }
6801  %%
6802  % \cite behavior when executed within a sidenote
6803  \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
6804  \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
6805    \@bidityftesidenote@add@citation{#1}
6806  }
6807  %%
6808  % Set the default \cite style. This is set and reset by the \sidenote command.
6809  \let\cite\@bidityftesidenote@normal@cite
6810  \let\LTRcite\@bidityftesidenote@normal@cite
6811  \let\RTLcite\@bidityftesidenote@normal@cite
6812  %%
6813  % Transform existing \footnotes into \sidenotes
6814  % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
6815  \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
6816  \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}%
6817  \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}%
6818  % Override footmisc's definition to set the sidenote marks (numbers) inside the
6819  % sidenote's text block.
6820  \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@bidityftesidenote@makefnmark}%
6821  % Set the in-text footnote mark in the same typeface as the body text itself.
6822  \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@bidityftesidenote@makefnmark}%
6823  \providecommand*\multiplefootnotemark}{3sp}
6824  \providecommand*\multifootsep}{,}
6825  \bidi@patch@AfterPackage{bidi}{%
6826  \renewcommand{\@footnotemark}{%
6827    \leavevmode%
6828    \ifhmode%
6829      \edef\@x@sf{\the\spacefactor}%
6830      \@bidityftesidenote@check@multiple@sidenotes%
6831      \nobreak%
6832      \fi%
6833      \@makefnmark%
6834      \ifhmode\spacefactor\@x@sf\fi%
6835      \relax%
6836    }%
6837  }
6838  \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
6839    \ifdim\lastkern=\multiplefootnotemark\relax%
6840      \edef\@x@sf{\the\spacefactor}%
6841      \unkern%
6842      \textsuperscript{\multifootsep}%
6843      \spacefactor\@x@sf\relax%
6844    \fi
6845  }
6846  \bidi@patch@AfterPackage{bidi}{%
6847  \renewcommand{\footnotetext}[2][0pt]{%
6848    \bidityftesidenotemarginpar%

```



```

6849 \hbox{}\vspace*{#1}%
6850 \def\baselinestretch {\setspace@singlespace}%
6851 \reset@font%
6852 \bidi@@footnotetext@font% \reset@font\footnotesize%
6853 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6854 \vspace*{-1\baselineskip}\noindent%
6855 \protected@edef\@currentlabel{%
6856 \csname p@footnote\endcsname\@thefnmark%
6857 }%
6858 \color@begingroup%
6859 \makefnmark%
6860 \ignorespaces#2%
6861 }%
6862 \color@endgroup%
6863 }%
6864 }%
6865 \renewcommand\@LTRfootnotetext[2][0pt]{%
6866 \LTRbidityftesidenotemarginpar{%
6867 \hbox{}\vspace*{#1}%
6868 \def\baselinestretch {\setspace@singlespace}%
6869 \reset@font%
6870 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
6871 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6872 \vspace*{-1\baselineskip}\noindent%
6873 \protected@edef\@currentlabel{%
6874 \csname p@footnote\endcsname\@thefnmark%
6875 }%
6876 \color@begingroup%
6877 \makefnmark%
6878 \ignorespaces#2%
6879 }%
6880 \color@endgroup%
6881 }%
6882 }%
6883 \renewcommand\@RTLfootnotetext[2][0pt]{%
6884 \RTLbidityftesidenotemarginpar{%
6885 \hbox{}\vspace*{#1}%
6886 \def\baselinestretch {\setspace@singlespace}%
6887 \reset@font%
6888 \bidi@@RTLfootnotetext@font% \reset@font\footnotesize%
6889 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6890 \vspace*{-1\baselineskip}\noindent%
6891 \protected@edef\@currentlabel{%
6892 \csname p@footnote\endcsname\@thefnmark%
6893 }%
6894 \color@begingroup%
6895 \makefnmark%
6896 \ignorespaces#2%
6897 }%
6898 \color@endgroup%
6899 }%
6900 }%
6901 }
6902 %

```



```

6903 % Define \sidenote command. Can handle \cite.
6904 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
6905 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
6906 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
6907 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
6908   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
6909   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
6910   \ifthenelse{\NOT\isempty{#2}}{%
6911     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6912   }{%
6913     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6914   }%
6915   \ifthenelse{\isempty{#1}}{%
6916     % no specific footnote number provided
6917     \stepcounter\@mpfn%
6918     \protected@xdef\@thefnmark{\thempfn}%
6919     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6920   }{%
6921     % specific footnote number provided
6922     \begingroup%
6923       \csname c@\@mpfn\endcsname #1\relax%
6924       \unrestored@protected@xdef\@thefnmark{\thempfn}%
6925     \endgroup%
6926     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6927   }%
6928   \@bidityftesidenote@print@citations%             print any citations
6929   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite comm
6930   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTR
6931   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%  go back to using normal in-text \RTL
6932   \unskip\ignorespaces%                            remove extra white space
6933   \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
6934   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6935 }
6936 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
6937   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
6938   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
6939   \ifthenelse{\NOT\isempty{#2}}{%
6940     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6941   }{%
6942     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6943   }%
6944   \ifthenelse{\isempty{#1}}{%
6945     % no specific footnote number provided
6946     \stepcounter\@mpfn%
6947     \protected@xdef\@thefnmark{\thempfn}%
6948     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6949   }{%
6950     % specific footnote number provided
6951     \begingroup%
6952       \csname c@\@mpfn\endcsname #1\relax%
6953       \unrestored@protected@xdef\@thefnmark{\thempfn}%
6954     \endgroup%
6955     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6956   }%

```




```

6957 \@bidityftesidenote@print@citations%          print any citations
6958 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6959 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6960 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6961 \unskip\ignorespaces%                          remove extra white space
6962 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
6963 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6964 }
6965 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
6966 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
6967 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
6968 \ifthenelse{\NOT\isempty{#2}}{%
6969 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6970 }{%
6971 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6972 }%
6973 \ifthenelse{\isempty{#1}}{%
6974 % no specific footnote number provided
6975 \stepcounter\@mpfn%
6976 \protected@xdef\@thefnmark{\thempfn}%
6977 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6978 }{%
6979 % specific footnote number provided
6980 \begingroup%
6981 \csname c@\@mpfn\endcsname #1\relax%
6982 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6983 \endgroup%
6984 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6985 }%
6986 \@bidityftesidenote@print@citations%          print any citations
6987 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6988 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6989 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6990 \unskip\ignorespaces%                          remove extra white space
6991 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
6992 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6993 }
6994 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
6995 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
6996 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
6997 \bidi@patch@AfterPackage{bidi}{%
6998 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
6999 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
7000 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
7001 }
7002 %%
7003 % Sidenote without the footnote mark
7004 \newcommand\marginnote[2] [Opt]{%
7005 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
7006 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
7007 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidity
7008 \@bidityftesidenote@print@citations%          print any citations
7009 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
7010 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR

```




```

7011 \let\RTLcite\@bidityfteRTLsidenote@normal@cite%      go back to using normal in-text \RTL
7012 }
7013 \newcommand\LTRmarginnote[2][Opt]{%
7014   \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
7015   \gdef\@bidityftesidenote@citations{}%             clear out any old citations
7016   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@
7017   \@bidityftesidenote@print@citations%               print any citations
7018   \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite comm
7019   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LTR
7020   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTL
7021 }
7022 \newcommand\RTLmarginnote[2][Opt]{%
7023   \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
7024   \gdef\@bidityftesidenote@citations{}%             clear out any old citations
7025   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@
7026   \@bidityftesidenote@print@citations%               print any citations
7027   \let\cite\@bidityftesidenote@normal@cite%          go back to using normal in-text \cite comm
7028   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%    go back to using normal in-text \LTR
7029   \let\RTLcite\@bidityfteRTLsidenote@normal@cite%    go back to using normal in-text \RTL
7030 }

```

41 File bidityftetoc.sty

```

7031 \NeedsTeXFormat{LaTeX2e}
7032 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
7033 bidi implementation of tufte toc]
7034 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
7035 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
7036 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
7037 %%
7038 % Turn off section numbering
7039 \setcounter{secnumdepth}{-1}
7040 \newboolean{\@bidityftetoc@toc}
7041 \setboolean{\@bidityftetoc@toc}{true}
7042 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
7043 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
7044 \ProcessOptions
7045 %%
7046 % Make Tufte-style section headings and TOC formatting
7047 \bidi@patch@AfterPackage{bidi}{%
7048 \titleformat{\chapter}%
7049   [display]% shape
7050   {\relax\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
7051   {\itshape\huge\thechapter}% label
7052   {Opt}% horizontal separation between label and title body
7053   {\huge\rmfamily\itshape}% before the title body
7054   [\ifthenelse{\NOT\boolean{\@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
7055 \titleformat{\section}%
7056   [hang]% shape
7057   {\normalfont\Large\itshape}% format applied to label+text
7058   {\thesection}% label
7059   {1em}% horizontal separation between label and title body
7060   {}% before the title body
7061   []% after the title body

```



```

7062 \titleformat{\subsection}%
7063   [hang]% shape
7064   {\normalfont\large\itshape}% format applied to label+text
7065   {\thesubsection}% label
7066   {1em}% horizontal separation between label and title body
7067   {}% before the title body
7068   []% after the title body
7069 \titleformat{\paragraph}%
7070   [runin]% shape
7071   {\normalfont\itshape}% format applied to label+text
7072   {\theparagraph}% label
7073   {1em}% horizontal separation between label and title body
7074   {}% before the title body
7075   []% after the title body
7076 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
7077 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
7078 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
7079 }
7080 % Subsubsection and following section headings shouldn't be used.
7081 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
7082 \renewcommand\subsubsection{%
7083   \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
7084     \MessageBreak See Robert Bringhurst's _The Elements of
7085     \MessageBreak Typographic Style_, section 4.2.2.
7086     \MessageBreak \noexpand\subsubsection was used}
7087     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
7088     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
7089     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
7090 }
7091 \renewcommand\subparagraph{%
7092   \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
7093     \MessageBreak See Robert Bringhurst's _The Elements of
7094     \MessageBreak Typographic Style_, section 4.2.2.
7095     \MessageBreak \noexpand\subparagraph was used}
7096     {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
7097     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
7098     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
7099 }
7100 % Formatting for main TOC (printed in front matter)
7101 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
7102 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
7103   \bidi@patch@AfterPackage{bidi}{%
7104     \titlecontents{part}% FIXME
7105     [0em] % distance from left margin
7106     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
7107     {\contentslabel{2em}} % before w/label (label = ``II'')
7108     {} % before w/o label
7109     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7110     [\end{fullwidth}] % after
7111     \titlecontents{chapter}%
7112     [0em] % distance from left margin
7113     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
7114     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
7115     {\hspace*{0em}} % before w/o label

```



```

7116     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7117     [\end{fullwidth}] % after
7118 \titlecontents{section}% FIXME
7119     [0em] % distance from left margin
7120     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
7121     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
7122     {\hspace*{2em}} % before w/o label
7123     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7124     [\end{fullwidth}] % after
7125 \titlecontents{subsection}% FIXME
7126     [0em] % distance from left margin
7127     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
7128     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
7129     {\hspace*{4em}} % before w/o label
7130     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7131     [\end{fullwidth}] % after
7132 \titlecontents{paragraph}% FIXME
7133     [0em] % distance from left margin
7134     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
7135     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
7136     {\hspace*{6em}} % before w/o label
7137     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7138     [\end{fullwidth}] % after
7139 }%
7140 {}{}
7141 %%
7142 % Format lists of figures/tables
7143 \renewcommand\listoffigures{%
7144     \@ifundefined{chapter}%
7145     {\section*{\listfigurename}}%
7146     {\chapter*{\listfigurename}}%
7147 % \begin{fullwidth}%
7148 % \@starttoc{lof}%
7149 % \end{fullwidth}%
7150 }
7151 \renewcommand\listoftables{%
7152     \@ifundefined{chapter}%
7153     {\section*{\listtablename}}%
7154     {\chapter*{\listtablename}}%
7155 % \begin{fullwidth}%
7156 % \@starttoc{lot}%
7157 % \end{fullwidth}%
7158 }
7159 \newcommand{\@biditytetoc@lof@line}[2]{%
7160     % #1 is the figure/table number and its caption text
7161     % #2 is the page number on which the figure/table appears
7162     \leftskip 0.0em
7163     \rightskip 0em
7164     \parfillskip 0em plus 1fil
7165     \parindent 0.0em
7166     \@afterindenttrue
7167     \interlinepenalty\@M
7168     \leavevmode
7169     \@tempdima 2.0em

```



```

7170 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7171 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
7172 {#1}\nobreak\quad\nobreak#2%
7173 \par%
7174 }
7175 \renewcommand*\l@figure{\@biditytetoc@lof@line}
7176 \let\l@table\l@figure

```

42 File `bidituftegeneralstructure.sty`

```

7177 \NeedsTeXFormat{LaTeX2e}
7178 \ProvidesPackage{bidituftegeneralstructure}[2011/06/18 v0.1
7179 bidi implementation of tufte general structure]
7180 \renewcommand\small{%
7181   \@setfontsize\small\@ixpt{12}%
7182   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
7183   \abovedisplayshortskip \z@ \@plus2\p@
7184   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
7185   \def\@listi{\leftmargin\leftmargini
7186     \topsep 4\p@ \@plus2\p@ \@minus2\p@
7187     \parsep 2\p@ \@plus\p@ \@minus\p@
7188     \itemsep \parsep}%
7189   \belowdisplayskip \abovedisplayskip
7190 }
7191 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
7192 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
7193 \renewcommand\large{\@setfontsize\large\@xipt{15}}
7194 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
7195 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
7196 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
7197 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
7198 \setlength\leftmargini {1pc}
7199 \setlength\leftmarginii {1pc}
7200 \setlength\leftmarginiii {1pc}
7201 \setlength\leftmarginiv {1pc}
7202 \setlength\leftmarginv {1pc}
7203 \setlength\leftmarginvi {1pc}
7204 \setlength\labelsep {.5pc}
7205 \setlength\labelwidth {\leftmargini}
7206 \addtolength\labelwidth{-\labelsep}
7207 \setlength{\parindent}{1.0pc}%
7208 \setlength{\parskip}{0pt}%
7209 \RequirePackage{ragged2e}
7210 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
7211 % Paragraph indentation and separation for normal text
7212 \newcommand{\@biditytetegeneralstructure@reset@par}{%
7213   \setlength{\RaggedRightParindent}{1.0pc}%
7214   \setlength{\JustifyingParindent}{1.0pc}%
7215   \setlength{\parindent}{1pc}%
7216   \setlength{\parskip}{0pt}%
7217 }
7218 \@biditytetegeneralstructure@reset@par
7219 % Require paralist package for tighter lists
7220 \RequirePackage{paralist}

```



```

7221 % Add rightmargin to compactenum
7222 \def\@compactenum@{%
7223   \expandafter\list\csname label\@enumctr\endcsname{%
7224     \usecounter{\@enumctr}%
7225     \rightmargin=2em% added this
7226     \parsep\plparsep
7227     \itemsep\plitemsep
7228     \topsep\pltopsep
7229     \partopsep\plpartopsep
7230   \def\makelabel##1{\hss\llap{##1}}}}
7231 %%
7232 % An environment for paragraph-style section
7233 \providecommand\newthought[1]{%
7234   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
7235   \noindent\textbf{#1}%
7236 }
7237 %%
7238 % Redefine the display environments (quote, quotation, etc.)
7239 \renewenvironment{verse}
7240     {\let\\\@centercr
7241      \list{}\itemsep \z@
7242      \itemindent -1pc%
7243      \listparindent\itemindent
7244      \rightmargin \leftmargin
7245      \advance\leftmargin 1pc}%
7246     \small%
7247     \item\relax}
7248 {\endlist}
7249 \renewenvironment{quotation}
7250     {\list{}\listparindent 1pc%
7251      \itemindent \listparindent
7252      \rightmargin \leftmargin
7253      \parsep \z@ \@plus\p@}%
7254     \small%
7255     \item\relax\noindent\ignorespaces}
7256 {\endlist}
7257 \renewenvironment{quote}
7258     {\list{}\rightmargin\leftmargin}%
7259     \small%
7260     \item\relax}
7261 {\endlist}
7262 % Italicize description run-in headings (instead of the default bold)
7263 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
7264 %%
7265 % Redefine \bibsection to not mark the running heads.
7266 % (Code modified from natbib.sty.)
7267 \ifundefined{chapter}%
7268   {\renewcommand\bibsection{\section*{\refname}}}
7269   {\@ifundefined{NAT@sectionbib}%
7270     {\renewcommand\bibsection{\chapter{\bibname}}}
7271     {\renewcommand\bibsection{\section*{\bibname}}}}
7272 \RequirePackage{multicol}
7273 \renewenvironment{theindex}{%
7274 \ifundefined{chapter}%

```



```

7275     {\section*{\indexname}}%
7276     {\chapter{\indexname}}%
7277     \begin{fullwidth}%
7278     \small%
7279     \parskip0pt%
7280     \parindent0pt%
7281     \let\item\@idxitem%
7282     \begin{multicols}{3}%
7283 }{%
7284     \end{multicols}%
7285     \end{fullwidth}%
7286 }
7287 \AtBeginDocument{%
7288 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
7289 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
7290 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
7291 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
7292 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

43 File `bidituftehyperref.sty`

```

7293 \NeedsTeXFormat{LaTeX2e}
7294 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
7295 bidi implementation of tufte hyperref]
7296 %%
7297 % Color
7298 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
7299 \newboolean{@bidituftehyperref@loadhyper}
7300 \setboolean{@bidituftehyperref@loadhyper}{true}
7301 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
7302 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
7303 \ProcessOptions
7304 %% Loads the hyperref package and sets some default options.
7305 \newcommand{\bidituftehyperrefLoadHyperref}{%
7306 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
7307 \hypersetup{%
7308     bookmarksdepth = section,
7309     citecolor = DarkGreen,
7310     linkcolor = DarkBlue,
7311 %    pagecolor = DarkBlue,
7312     urlcolor = DarkGreen,
7313 }%
7314 }
7315 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
7316     \bidituftehyperrefLoadHyperref%
7317 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
7318     \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
7319 }

```

44 File `bidituftetitle.sty`

```

7320 \NeedsTeXFormat{LaTeX2e}
7321 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
7322 bidi implementation of tufte title]

```



```

7323 \RequirePackage{bidiutils}
7324 %%
7325 % 'titlepage' option -- creates a full title page with \maketitle
7326 \newboolean{@bidiuftetitle@titlepage}
7327 \DeclareOption{titlepage}{\setboolean{@bidiuftetitle@titlepage}{true}}
7328 \DeclareOption{notitlepage}{\setboolean{@bidiuftetitle@titlepage}{false}}
7329 % Default 'book' and 'handout' options
7330 \@ifclassloaded{book}{%
7331 \ExecuteOptions{titlepage}}{%
7332 \@ifclassloaded{article}{%
7333 \ExecuteOptions{notitlepage}}%
7334 {}}
7335 \ProcessOptions
7336 %%
7337 % Modified \title, \author, and \date commands. These store the
7338 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
7339 \newcommand{\plaintitle}{}% plain-text-only title
7340 \newcommand{\plainauthor}{}% plain-text-only author
7341 \newcommand{\plainpublisher}{}% plain-text-only publisher
7342 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
7343 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
7344 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
7345 \newcommand{\@publisher}{}% full publisher with \thanks{}
7346 \newcommand{\thedata}{\today}
7347 \bidi@patch@AfterPackage{bidi}{%
7348 \renewcommand{\thanks}[1]{\footnote{#1}}
7349 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
7350 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
7351 }
7352 \renewcommand{\title}[2][]{%
7353 \gdef\@title{#2}%
7354 \begingroup%
7355 % TODO store contents of \thanks command
7356 \renewcommand{\thanks}[1]{}% swallow \thanks contents
7357 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7358 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7359 \protected@xdef\thanklesstitle{#2}%
7360 \endgroup%
7361 \ifthenelse{\isempty{#1}}{%
7362 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
7363 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
7364 \@ifundefined{hypersetup}%
7365 {}% hyperref is not loaded; do nothing
7366 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
7367 }
7368 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
7369 \renewcommand{\author}[2][]{%
7370 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
7371 \begingroup%
7372 % TODO store contents of \thanks command
7373 \renewcommand{\thanks}[1]{}% swallow \thanks contents
7374 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7375 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7376 \protected@xdef\thanklessauthor{#2}%

```



```

7377 \endgroup%
7378 \ifthenelse{\isempty{#1}}%
7379   {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
7380   {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
7381 \@ifundefined{hypersetup}%
7382   {}% hyperref is not loaded; do nothing
7383   {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
7384 }
7385 \renewcommand{\date}[1]{%
7386   \gdef\@date{#1}%
7387   \begingroup%
7388     % TODO store contents of \thanks command
7389     \renewcommand{\thanks}[1]{}% swallow \thanks contents
7390     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7391     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7392     \protected@xdef\thedata{#1}%
7393   \endgroup%
7394 }
7395 %%
7396 % Provides a \publisher command to set the publisher
7397 \newcommand{\publisher}[2][]{%
7398   \gdef\@publisher{#2}%
7399   \begingroup%
7400     \renewcommand{\thanks}[1]{}% swallow \thanks contents
7401     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7402     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7403     \protected@xdef\thanklesspublisher{#2}%
7404   \endgroup%
7405   \ifthenelse{\isempty{#1}}
7406     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
7407     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
7408 }
7409 %%
7410 % Produces a full title page
7411 \newcommand{\maketitlepage}[0]{%
7412   \cleardoublepage%
7413   {%
7414     \bfseries%
7415     \begin{fullwidth}%
7416       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
7417       \vspace{11.5pc}%
7418       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
7419       \vfill%
7420       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
7421     \end{fullwidth}%
7422   }
7423   \thispagestyle{empty}%
7424   \clearpage%
7425 }
7426 %%
7427 % Title block
7428 \bidi@AfterEndPreamble{%
7429 \renewcommand{\maketitle}{%
7430   \newpage%

```




```

7431 \global\@topnum\z@% prevent floats from being placed at the top of the page
7432 \begingroup%
7433   \setlength{\parindent}{0pt}%
7434   \setlength{\parskip}{4pt}%
7435   \let\@title\@empty%
7436   \let\@author\@empty%
7437   \let\@date\@empty%
7438   \gdef\@title{\LARGE\itshape\@title\par}%
7439   \gdef\@author{\Large\itshape\@author\par}%
7440   \gdef\@date{\Large\itshape\@date\par}%
7441   \@title%
7442   \@author%
7443   \@date%
7444 \endgroup%
7445 \thispagestyle{plain}% suppress the running head
7446}%
7447}
7448%%
7449% Title page (if the `titlepage' option was passed to the bidentufte-handout
7450% class.)
7451\bidu@AfterEndPreamble{%
7452\ifthenelse{\boolean{@bidu@title@titlepage}}
7453  {\renewcommand{\maketitle}{\maketitlepage}}
7454  {}
7455}
7456%%
7457% When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
7458% without headers and footers
7459\def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
7460  \hbox{}
7461  %\vspace*{\fill}
7462  %\begin{center}
7463  % This page intentionally contains only this sentence.
7464  %\end{center}
7465  %\vspace{\fill}
7466  \thispagestyle{empty}
7467  \newpage
7468  \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

45 File biditufte-handout.cls

```

7469 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
7470 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
7471 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
7472 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
7473 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
7474 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
7475 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
7476 \ProcessOptions\relax
7477 \LoadClass{article}
7478 \RequirePackage{bidituftefloat}
7479 \RequirePackage{bidituftesidenote}
7480 \RequirePackage{bidituftetoc}
7481 \RequirePackage{bidituftegeneralstructure}

```



```

7482 \RequirePackage{bidituftehyperref}
7483 \RequirePackage{bidituftetitle}
7484 \renewenvironment{abstract}
7485   {\begin{quotation}}
7486   {\end{quotation}}
7487 \AtBeginDocument{%
7488 \IfFileExists{biditufte-handout.cfg}
7489   {\input{biditufte-handout.cfg}
7490    \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
7491   {}%
7492 }

```

46 File biditufte-book.cls

```

7493 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
7494 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
7495 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
7496 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
7497 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
7498 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
7499 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
7500 \ProcessOptions\relax
7501 \LoadClass{book}
7502 \RequirePackage{bidituftefloat}
7503 \RequirePackage{bidituftesidenote}
7504 \RequirePackage{bidituftetoc}
7505 \RequirePackage{bidituftegeneralstructure}
7506 \RequirePackage{bidituftehyperref}
7507 \RequirePackage{bidituftetitle}
7508 %%
7509 % Set up any book-specific stuff now
7510 %%
7511 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
7512 % to the opening page of Chapter 1. The running heads, when they appear,
7513 % contain only the (arabic) page number in the outside corner.
7514 %\newif\if@mainmatter \@mainmattertrue
7515 \renewcommand\frontmatter{%
7516   \cleardoublepage%
7517   \@mainmatterfalse%
7518   \pagenumbering{arabic}%
7519   %\pagestyle{plain}%
7520   \fancyhf{}%
7521   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
7522     {\fancyhead[LE,RO]{\thepage}}%
7523     {\fancyhead[RE,RO]{\thepage}}%
7524 }
7525 %%
7526 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
7527 % numbering---it continues where it left off in the front matter.
7528 \renewcommand\mainmatter{%
7529   \cleardoublepage%
7530   \@mainmattertrue%
7531   \fancyhf{}%
7532   \ifthenelse{\boolean{@bidituftefloat@twoside}}%

```



```

7533     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
7534     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
7535     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
7536     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
7537 }
7538 %%
7539 % The back matter contains appendices, indices, glossaries, endnotes,
7540 % bibliographies, list of contributors, illustration credits, etc.
7541 \renewcommand\backmatter{%
7542   \if@openright%
7543     \cleardoublepage%
7544   \else%
7545     \clearpage%
7546   \fi%
7547   \@mainmatterfalse%
7548 }
7549 %%
7550 % Only show the chapter titles in the table of contents
7551 \setcounter{tocdepth}{0}
7552 \AtBeginDocument{%
7553   \IfFileExists{biditufte-book.cfg}
7554   {\input{biditufte-book.cfg}
7555     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
7556   {}%
7557 }

```

47 File bidipoem.sty

```

7558 \NeedsTeXFormat{LaTeX2e}
7559 \ProvidesPackage{bidipoem}%
7560 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
7561
7562 % Usage:
7563 %
7564 % \Setversedim #1#2 % define the layout (within a group):
7565 % #1 = length of both half-verses
7566 % #2 = separation distance = length of a connection, if present
7567 % Variant:
7568 % \Setversedim #1[#2]#3 % for half-verses of unequal length
7569 % #1 = length of first (=right) half-verse
7570 % #2 = length of second (=left) half-verse
7571 % #3 = separation distance = length of a connection, if present
7572 %
7573 % \traditionalhalfverses #1#2 % typeset two separated half-verses
7574 % #1 = text of first (=right) half-verse
7575 % #2 = text of second (=left) half-verse
7576 % Variant:
7577 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
7578 % #1 = text of first (=right) half-verse
7579 % #2 = text of connection
7580 % #3 = text of second (=left) half-verse
7581 %
7582 % Alternative (if preferred):
7583 %

```



```

7584% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
7585
7586
7587\newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
7588
7589% define the layout, verses will be centered
7590
7591\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
7592\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
7593
7594\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
7595\bidipoem@hvind \textwidth
7596\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
7597\ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
7598\bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
7599
7600\def \bidipoem@set@verseI [#1]{% optional parameter
7601\bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
7602
7603\newcommand*{\bidipoem@set@@verse}[1]{% separation
7604\advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
7605\advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
7606
7607\newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
7608\ifdim Opt > \bidipoem@hvind %
7609\bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
7610\else
7611\noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
7612\bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
7613\bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
7614\par }
7615
7616% macro for two half verses
7617\newcommand*{\traditionalhalfverses}[2]{% optional parameter?
7618\ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
7619\else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
7620\bidipoem@half@verses@next}
7621
7622\def \bidipoem@half@verses #1[#2]#3{% first[mid]second
7623\traditionalconnverses {#1}{#2}{#3}}
7624
7625
7626{\catcode\^^M=\active % these lines must end with %
7627 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
7628 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
7629{\catcode\^^M=\active % these lines must end with %
7630 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
7631 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
7632\def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
7633\def\poemmarginskip{1em plus 1fil minus 1em}
7634\def\poemextrabaselineskip{0\baselineskip}
7635\def\poemskip{\medskip}
7636\newcommand{\bidipoem@openbox}{\leavevmode
7637 \hbox to.77778em{

```



```

7638 \hfil\vrule
7639 \vbox to.675em{\hrule width.6em\vfil\hrule}%
7640 \vrule\hfil}}
7641 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
7642 \newdimen\versewidth
7643 \newtoks\bidipoem@p@ftn
7644 \def\poem@verse#1{%
7645 \ifdim\wd#1>\new@poem@width
7646 \xdef\new@poem@width{\the\wd#1}%
7647 \ifdim\new@poem@width>\poem@width
7648 \xdef\poem@width{\new@poem@width}%
7649 \global\let\poem@needrun\relax
7650 \fi
7651 \fi
7652 \hbox to\poem@width{\unhbox#1}%
7653 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
7654 }
7655 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\relax}
7656 \def\poem@lineend{\nobreak\hskip\poemmargin\hskip\@flushglue\vadjust{}}
7657 \def\poem@lineversesep{%
7658 \nobreak
7659 \hskip\z@ plus 1filll%
7660 \penalty600%
7661 \hskip\poemcolsepskip
7662 \hskip\z@ plus -2filll%
7663 \vadjust{}}%
7664 \nobreak
7665 \hskip\z@ plus 1filll%
7666 }
7667 \def\poem@lineparsebegin{%
7668 \halign\bgroup
7669 \global\setbox\verse@i=\hbox{%
7670 \let\@footnotetext\bidipoem@p@ftntext%
7671 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7672 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7673 \let\@xfootnotenext\bidipoem@p@xftntext%
7674 \let\@xfootnote\bidipoem@p@xfootnote%
7675 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7676 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7677 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7678 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7679 \ignorespaces##\unskip}&&
7680 \global\setbox\verse@ii=\hbox{%
7681 \let\@footnotetext\bidipoem@p@ftntext%
7682 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7683 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7684 \let\@xfootnotenext\bidipoem@p@xftntext%
7685 \let\@xfootnote\bidipoem@p@xfootnote%
7686 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7687 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7688 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7689 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7690 \ignorespaces##\unskip}
7691 \cr

```



```

7692 }
7693 \def\poem@lineparseend{%
7694 \crr\egroup
7695 \vskip-\baselineskip
7696 }
7697 \def\traditionalpoem@cr{%
7698 \cr\poem@line
7699 }
7700 \newbox\verse@i
7701 \newbox\verse@ii
7702 \newif\ifpoem@started
7703
7704 \def\poem@line{%
7705 \poem@lineparseend
7706 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
7707 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
7708 \ifpoem@started
7709 \ifdim\wd\verse@ii>\z@\else
7710 \nopagebreak[3]
7711 \fi
7712 \leavevmode
7713 \poem@linebegin
7714 \poem@verse\verse@i
7715 \ifdim\wd\verse@ii>\z@
7716 \poem@lineversesep
7717 \poem@verse\verse@ii
7718 \fi
7719 \poem@lineend
7720 % \nopagebreak
7721 \par
7722 \vskip\poemextrabaseskip
7723 \fi
7724 \poem@lineparsebegin
7725 }
7726 \def\@traditionalpoem{%
7727 \stepcounter{poem@no}
7728 \ifnum\max@poem@no<\number\c@poem@no%
7729 \xdef\poem@width{\z@}%
7730 \else
7731 \xdef\poem@width{\poem@prop{poem@width}}%
7732 \fi
7733 \xdef\new@poem@width{\z@}%
7734 \global\versewidth=\poem@width
7735 \poemskip\par
7736 \begingroup
7737 \tabskip=\z@
7738 \parskip=\z@
7739 \parindent=\z@
7740 \parfillskip=\z@
7741 \rightskip=\z@
7742 \leftskip=\z@
7743 \widowpenalty=10000% No break between verses of the same line.
7744 \clubpenalty=10000% Same as above. Not really needed.
7745 \def\newblock{\hfil\poemblocksep\hfil\null}%

```



```

7746 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
7747 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
7748 \global\poem@startedfalse
7749 \csname poem@obeylines\endcsname
7750 \let\poem@obeylines\relax
7751 \poem@lineparsebegin
7752 }
7753 \def\@endtraditionalpoem{%
7754 \cr
7755 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
7756 \noalign{%
7757 \skip0=\poemextrabaseskip
7758 \vskip-\skip0
7759 \vskip-\baselineskip
7760 }%
7761 \fi\fi
7762 \poem@lineparseend
7763 \endgroup
7764 \par
7765 \vskip\baselineskip
7766 \poemskip
7767 \ifdim\new@poem@width<\poem@width
7768 \global\let\poem@needrun\relax
7769 \fi
7770 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
7771 \ifx\AtEndDocument\undefined\poem@finish\fi
7772 \@endparenv
7773 }
7774
7775
7776 \long\def\bidipoem@p@ftntext#1{%
7777 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
7778 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
7779 \long\def\bidipoem@p@LTRftntext#1{%
7780 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
7781 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
7782 \long\def\bidipoem@p@RTLftntext#1{%
7783 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
7784 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
7785
7786 \long\def\bidipoem@p@xftntext[#1]#2{%
7787 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
7788
7789 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
7790 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
7791
7792 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
7793 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
7794
7795 \def\bidipoem@p@xfootnote[#1]{%
7796 \begingroup
7797 \csname c@\mpfn\endcsname #1\relax
7798 \unrestored@protected@xdef\@thefnmark{\thempfn}%
7799 \endgroup

```



```

7800 \footnotemark\bidipoem@p@xftntext[#1]}
7801
7802 \def\bidipoem@p@xLTRfootnote[#1]{%
7803 \beginngroup
7804 \csname c@\@mpfn\endcsname #1\relax
7805 \unrestored@protected@xdef\@thefnmark{\thempfn}%
7806 \endgroup
7807 \footnotemark\bidipoem@p@xLTRftntext[#1]}
7808
7809 \def\bidipoem@p@xRTLfootnote[#1]{%
7810 \beginngroup
7811 \csname c@\@mpfn\endcsname #1\relax
7812 \unrestored@protected@xdef\@thefnmark{\thempfn}%
7813 \endgroup
7814 \footnotemark\bidipoem@p@xRTLftntext[#1]}
7815
7816
7817
7818 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
7819 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
7820 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
7821 \def\poem@finish{%
7822 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
7823 \ifx\poem@needrun\relax
7824 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
7825 \global\let\poem@needrun\undefined
7826 \fi
7827 }
7828 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
7829 \newcounter{poem@no}\setcounter{poem@no}{\z@}
7830 \ifx\max@poem@no\undefined
7831 \def\max@poem@no{0}%
7832 \fi
7833 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
7834 \newcommand{\poem@write@aux}[2]{%
7835 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
7836 \@x
7837 }
7838 \def\@modernpoem{%
7839 \par
7840 \beginngroup
7841 \parskip=\z@
7842 \parindent=\z@
7843 \def\[\{\@settab\@tabplus\ignorespaces}%
7844 \def\]\{\@tabminus\ignorespaces}%
7845 \def\newblock{\poemblocksep}%
7846 \let\newpoem@tabcr\@tabcr
7847 \def\modernpoem@par{% Redefine \par for possible \obeylines
7848 \ifpoem@started\else
7849 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
7850 \@stopfield
7851 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
7852 \@contfield
7853 \fi

```




```

7854 \fi
7855 \ifpoem@started\newpoem@tabcr\fi}%
7856 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
7857 \global\poem@startedfalse
7858 \csname poem@obeylines\endcsname
7859 \let\poem@obeylines\relax
7860 \begin{tabbing}%
7861 }
7862 \def\@endmodernpoem{%
7863 \global\poem@startedfalse
7864 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
7865 \@stopfield
7866 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
7867 \@contfield
7868 \fi
7869 \ifpoem@started\else\let\@stopline\@stopfield\fi
7870 \end{tabbing}%
7871 \endgroup
7872 \par
7873 \if@nparlist \else
7874 \ifdim\lastskip >\z@
7875 \@tempskipa\lastskip \vskip -\lastskip
7876 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
7877 \vskip\@tempskipa
7878 \fi
7879 \@endparenv
7880 \fi
7881 }
7882 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
7883 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
7884 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
7885 \gdef\@startfield{%
7886 \global\setbox\@curfield\hbox\bgroup%
7887 \let\@footnotetext\bidipoem@p@ftntext%
7888 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7889 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7890 \let\@xfootnotenext\bidipoem@p@xftntext%
7891 \let\@xfootnote\bidipoem@p@xfootnote%
7892 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7893 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7894 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7895 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7896 \color@begingroup}
7897 \gdef\@stopfield{%
7898 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
7899 \gdef\@contfield{%
7900 \global\setbox\@curfield\hbox\bgroup%
7901 \let\@footnotetext\bidipoem@p@ftntext%
7902 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7903 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7904 \let\@xfootnotenext\bidipoem@p@xftntext%
7905 \let\@xfootnote\bidipoem@p@xfootnote%
7906 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7907 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%

```



```

7908 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7909 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7910 \color@begingroup\unhbox\@curfield}

```

48 File boek3-xetex-bidi.def

```

7911 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
7912 \renewenvironment{theindex}{%
7913   \if@twocolumn
7914     \@restonecolfalse
7915   \else
7916     \@restonecoltrue
7917   \fi
7918   \columnseprule \z@
7919   \columnsep 35\p@
7920   \twocolumn[\@makeschapterhead{\indexname}]%
7921   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
7922   \thispagestyle{plain}\parindent\z@
7923   \parskip\z@ \@plus .3\p@\relax
7924   \let\item\@idxitem
7925 }{%
7926   \if@restonecol\onecolumn\else\clearpage\fi}
7927 \renewcommand*{head@style}{%
7928   \interlinepenalty \@M
7929   \hyphenpenalty=\@M \exhyphenpenalty=\@M
7930   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
7931 \renewcommand*\@regtocline[3]{%
7932   \ifnum #1>\c@tocdepth
7933   \else
7934     \vskip\z@\@plus.2\p@
7935     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
7936       \if@RTL\rightskip\else\leftskip\fi\unitindent
7937       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
7938       \parfillskip\z@
7939       \@tempdima\unitindent
7940       \parindent\z@
7941       \leavevmode
7942       \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
7943       \hskip 1em \nobreak{\slshape #3}\par
7944     }%
7945   \fi}
7946 \if@oldtoc
7947 \renewcommand*\l@part[2]{%
7948   \ifnum \c@tocdepth >-2\relax
7949     \addpenalty{-\@highpenalty}%
7950     \addvspace{2.25em \@plus\p@}%
7951     \begingroup
7952       \setlength\@tempdima{3em}%
7953       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7954       \parfillskip -\@pnumwidth
7955       {\leavevmode
7956         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7957         \nobreak
7958         \global\@nobreaktrue

```



```

7959     \everypar{\global\@nobreakfalse\everypar{}}%
7960   \endgroup
7961   \fi}
7962 \else
7963   \renewcommand*\l@part{%
7964     \ifnum \c@tocdepth >-2\relax
7965     \addpenalty{-\@highpenalty}%
7966     \addvspace{2.25em \@plus \p@}%
7967     \@regtocline{0}%
7968   \fi}
7969 \fi
7970 \if@oldtoc
7971 \renewcommand*\l@chapter[2]{%
7972   \addpenalty{-\@highpenalty}%
7973   \vskip 1.0em \@plus \p@
7974   \setlength\@tempdima{1.5em}%
7975   \begingroup
7976   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7977   \parfillskip -\@pnumwidth
7978   \leavevmode \bfseries
7979   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7980   \hskip -\if@RTL\rightskip\else\leftskip\fi
7981   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7982   \penalty\@highpenalty
7983 \endgroup}
7984 \else
7985   \renewcommand*\l@chapter{\@regtocline{0}}
7986 \fi
7987 \renewenvironment{abstract}{%
7988   \titlepage
7989   \null\vfil
7990   \section*{\SectFont \abstractname}
7991   \noindent\ignorespaces}
7992   {\par\vfil\null\endtitlepage}
7993 \renewenvironment{thebibliography}[1]
7994   {\chapter*{\bibname}%
7995     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7996     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7997     \bidi@thebibliography@font@hook%
7998     \list{\@biblabel{\@arabic\c@enumiv}}%
7999       {\settowidth\labelwidth{\@biblabel{#1}}%
8000        \leftmargin\labelwidth
8001        \advance\leftmargin\labelsep
8002        \@openbib@code
8003        \usecounter{enumiv}%
8004        \let\p@enumiv\@empty
8005        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
8006     \sloppy\clubpenalty4000\widowpenalty4000%
8007     \sfcode\.\@m}
8008   {\def\@noitemerr
8009     {\@latex@warning{Empty `thebibliography' environment}}%
8010     \endlist}
8011 \renewcommand*\left@footnoterule{%
8012   \kern-3\p@

```



```

8013 \kern.5\baselineskip
8014 \hrule\@width\unitindent
8015 \kern.4\baselineskip
8016 }
8017 \renewcommand*\right@footnoterule{%
8018 \kern-3\p@
8019 \kern.5\baselineskip
8020 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
8021 \kern.4\baselineskip}
8022 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
8023 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
8024 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
8025 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
8026 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
8027 \renewcommand*\theequation{%
8028 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8029 \renewcommand*\thefigure{%
8030 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
8031 \renewcommand*\thetable{%
8032 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
8033 \renewcommand*\maketitle{%
8034 \begin{titlepage}%
8035 \let\footnotesize\small
8036 \let\right@footnoterule\relax
8037 \let\left@footnoterule\relax
8038 \let\textwidth\footnoterule\relax
8039 \let \footnote \thanks
8040 \long\def\@makefnmark##1{\parindent\z@
8041 \def\labelitemi{\textendash}\@revlabeltrue
8042 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
8043 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
8044 \if@compatibility\setcounter{page}{0}\fi
8045 \null\vfil
8046 \vskip 60\p@
8047 \begin{center}%
8048 \TitleFont
8049 {\LARGE \def\\{\penalty -\@M}
8050 \if@allcaps
8051 \expandafter\uc@nothanks\@title\thanks\relax
8052 \else
8053 \@title
8054 \fi\par}%
8055 \vskip 3em%
8056 {\large
8057 \lineskip .75em \parindent\z@
8058 \begin{tabular}[t]{c}%
8059 \if@allcaps
8060 \expandafter\uc@authornothanks\@author\and\relax
8061 \else
8062 \@author
8063 \fi
8064 \end{tabular}\par}%
8065 \vskip 1.5em%
8066 {\large

```



```

8067         \if@allcaps
8068             \uppercase\expandafter{\@date}%
8069         \else
8070             \@date
8071         \fi\par}%
8072     \end{center}\par
8073     \@thanks
8074     \vfil\null
8075 \end{titlepage}%
8076 \setcounter{footnote}{0}%
8077 \global\let\thanks\relax
8078 \global\let\maketitle\relax
8079 \global\let\@thanks\@empty
8080 \global\let\@author\@empty
8081 \global\let\@title\@empty
8082 \global\let\@date\@empty
8083 \global\let\title\relax
8084 \global\let\author\relax
8085 \global\let\date\relax
8086 \global\let\and\relax
8087 }

```

49 File boek-xetex-bidi.def

```

8088 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
8089 \renewenvironment{theindex}{%
8090     \if@twocolumn
8091         \@restonecolfalse
8092     \else
8093         \@restonecoltrue
8094     \fi
8095     \columnseprule \z@
8096     \columnsep 35\p@
8097     \twocolumn[\@makeschapterhead{\indexname}]%
8098     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
8099     \thispagestyle{plain}\parindent\z@
8100     \parskip\z@ \@plus .3\p@\relax
8101     \let\item\@idxitem
8102 }{%
8103     \if@restonecol\onecolumn\else\clearpage\fi}
8104 \renewcommand*\head@style{%
8105     \interlinepenalty \@M
8106     \hyphenpenalty=\@M \exhyphenpenalty=\@M
8107     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
8108 \renewcommand*\regtocline[3]{%
8109     \ifnum #1>\c@tocdepth
8110     \else
8111         \vskip\z@\@plus.2\p@
8112         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
8113         \if@RTL\rightskip\else\leftskip\fi\unitindent
8114         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
8115         \parfillskip\z@
8116         \@tempdima\unitindent
8117         \parindent\z@

```



```

8118 \leavevmode
8119 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
8120 \hskip 1em \nobreak{\slshape #3}\par
8121 }%
8122 \fi}
8123 \if@oldtoc
8124 \renewcommand*\l@part[2]{%
8125 \ifnum \c@tocdepth >-2\relax
8126 \addpenalty{-\@highpenalty}%
8127 \addvspace{2.25em \@plus\p}%
8128 \begingroup
8129 \setlength\@tempdima{3em}%
8130 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8131 \parfillskip -\@pnumwidth
8132 {\leavevmode
8133 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8134 \nobreak
8135 \global\@nobreaktrue
8136 \everypar{\global\@nobreakfalse\everypar{}}%
8137 \endgroup
8138 \fi}
8139 \else
8140 \renewcommand*\l@part{%
8141 \ifnum \c@tocdepth >-2\relax
8142 \addpenalty{-\@highpenalty}%
8143 \addvspace{2.25em \@plus \p}%
8144 \@regtocline{0}%
8145 \fi}
8146 \fi
8147 \if@oldtoc
8148 \renewcommand*\l@chapter[2]{%
8149 \addpenalty{-\@highpenalty}%
8150 \vskip 1.0em \@plus\p@
8151 \setlength\@tempdima{1.5em}%
8152 \begingroup
8153 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8154 \parfillskip -\@pnumwidth
8155 \leavevmode \bfseries
8156 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
8157 \hskip -\if@RTL\righskip\else\leftskip\fi
8158 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8159 \penalty\@highpenalty
8160 \endgroup}
8161 \else
8162 \renewcommand*\l@chapter{\@regtocline{0}}
8163 \fi
8164 \renewcommand*\left@footnoterule{%
8165 \kern-3\p@
8166 \kern.5\baselineskip
8167 \hrule\@width\unitindent
8168 \kern.4\baselineskip
8169 }
8170 \renewcommand*\right@footnoterule{%
8171 \kern-3\p@

```



```

8172 \kern.5\baselineskip
8173 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
8174 \kern.4\baselineskip}
8175 \renewenvironment{abstract}{%
8176     \titlepage
8177     \null\vfil
8178     \section*{\SectFont \abstractname}
8179     \noindent\ignorespaces}
8180 {\par\vfil\null\endtitlepage}
8181 \renewenvironment{thebibliography}[1]
8182 {\chapter*{\bibname}%
8183     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8184     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
8185     \bidi@thebibliography@font@hook%
8186     \list{\@biblabel{\@arabic\c@enumiv}}%
8187         {\settowidth\labelwidth{\@biblabel{#1}}%
8188         \leftmargin\labelwidth
8189         \advance\leftmargin\labelsep
8190         \@openbib@code
8191         \usecounter{enumiv}%
8192         \let\p@enumiv\@empty
8193         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
8194     \sloppy\clubpenalty4000\widowpenalty4000%
8195     \sfcode`. \m}
8196 {\def\@noitemerr
8197     {\@latex@warning{Empty `thebibliography' environment}}%
8198     \endlist}
8199 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
8200 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
8201 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
8202 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
8203 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
8204 \renewcommand*\theequation{%
8205     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8206 \renewcommand*\thefigure{%
8207     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
8208 \renewcommand*\thetable{%
8209     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
8210 \renewcommand*\maketitle{%
8211     \begin{titlepage}%
8212         \let\footnotesize\small
8213         \let\right@footnoterule\relax
8214         \let\left@footnoterule\relax
8215         \let\textwidth\footnoterule\relax
8216         \let \footnote \thanks
8217         \long\def\@makefnitem#1{\parindent\z@
8218             \def\labelitemi{\textendash}\@revlabeltrue
8219             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
8220     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
8221     \if@compatibility\setcounter{page}{0}\fi
8222     \null\vfil
8223     \vskip 60\p@
8224     \begin{center}%
8225         \TitleFont

```



```

8226     {\LARGE \def\\{\penalty -\@M}
8227         \if@allcaps
8228             \expandafter\uc@nothanks\@title\thanks\relax
8229         \else
8230             \@title
8231             \fi\par}%
8232     \vskip 3em%
8233     {\large
8234         \lineskip .75em \parindent\z@
8235         \begin{tabular}[t]{c}%
8236             \if@allcaps
8237                 \expandafter\uc@authornothanks\@author\and\relax
8238             \else
8239                 \@author
8240             \fi
8241         \end{tabular}\par}%
8242     \vskip 1.5em%
8243     {\large
8244         \if@allcaps
8245             \uppercase\expandafter{\@date}%
8246         \else
8247             \@date
8248         \fi\par}%
8249     \end{center}\par
8250     \@thanks
8251     \vfil\null
8252 \end{titlepage}%
8253 \setcounter{footnote}{0}%
8254 \global\let\thanks\relax
8255 \global\let\maketitle\relax
8256 \global\let\@thanks\@empty
8257 \global\let\@author\@empty
8258 \global\let\@title\@empty
8259 \global\let\@date\@empty
8260 \global\let\title\relax
8261 \global\let\author\relax
8262 \global\let\date\relax
8263 \global\let\and\relax
8264 }

```

50 File bookest-xetex-bidi.def

```

8265 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
8266 \def\@makechapterhead#1{%
8267     \vspace*{20\p@}
8268     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8269         \ifnum \c@secnumdepth >\m@ne
8270             \if@mainmatter
8271                 {\colorA\huge\scshape \@chapapp\space \thechapter}
8272                 \par\nobreak
8273                 \vskip 10\p@
8274             \fi
8275         \fi
8276         \interlinepenalty\@M

```




```

8277 {\colorB\hrule}
8278 \vskip 15\p@
8279 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
8280 {\colorA\Huge \bfseries #1}\par\nobreak
8281 \if@RTL\end{flushleft}\else\end{flushright}\fi
8282 \vskip 5\p@
8283 {\colorB\hrule}
8284 \vskip 30\p@
8285 }}
8286 \def\@makeschapterhead#1{%
8287 \vspace*{20\p@}
8288 {\parindent \z@ \raggedright \normalfont
8289 {\colorB\hrule}
8290 \vskip 15\p@
8291 \begin{center}
8292 {\colorA\Huge \bfseries #1}\par\nobreak
8293 \end{center}
8294 \vskip 5\p@
8295 {\colorB\hrule}
8296 \vskip 30\p@
8297 }}

```

51 File book-xetex-bidi.def

```

8298 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
8299 \renewenvironment{theindex}
8300 {\if@twocolumn
8301 \@restonecolfalse
8302 \else
8303 \@restonecoltrue
8304 \fi
8305 \columnseprule \z@
8306 \columnsep 35\p@
8307 \twocolumn[\@makeschapterhead{\indexname}]%
8308 \@mkboth{\MakeUppercase\indexname}%
8309 {\MakeUppercase\indexname}%
8310 \thispagestyle{plain}\parindent\z@
8311 \parskip\z@ \@plus .3\p@\relax
8312 \let\item\@idxitem}
8313 {\if@restonecol\onecolumn\else\clearpage\fi}
8314 \@ifclassloaded{bookest}{\}{\%
8315 \if@titlepage
8316 \renewcommand\maketitle{\begin{titlepage}%
8317 \let\footnotesize\small
8318 \let\right@footnoterule\relax
8319 \let\left@footnoterule\relax
8320 \let\textwidth\footnoterule\relax
8321 \let\footnote\thanks
8322 \let\LTRfootnote\LTRthanks
8323 \let\RTLfootnote\RTLthanks
8324 \null\vfil
8325 \vskip 60\p@
8326 \begin{center}%
8327 {\LARGE \@title \par}%

```



```

8328 \vskip 3em%
8329 {\large
8330 \lineskip .75em%
8331 \begin{tabular}[t]{c}%
8332 \author
8333 \end{tabular}\par}%
8334 \vskip 1.5em%
8335 {\large \@date \par}% % Set date in \large size.
8336 \end{center}\par
8337 \@thanks
8338 \vfil\null
8339 \end{titlepage}%
8340 \setcounter{footnote}{0}%
8341 \global\let\thanks\relax
8342 \global\let\LTRthanks\relax
8343 \global\let\RTLthanks\relax
8344 \global\let\maketitle\relax
8345 \global\let\@thanks\@empty
8346 \global\let\@author\@empty
8347 \global\let\@date\@empty
8348 \global\let\@title\@empty
8349 \global\let\title\relax
8350 \global\let\author\relax
8351 \global\let\date\relax
8352 \global\let\and\relax
8353 }
8354 \else
8355 \renewcommand\maketitle{\par
8356 \begingroup
8357 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8358 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8359 \long\def\@makefntext##1{\parindent 1em\noindent
8360 \hbext@1.8em{%
8361 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8362 \if@twocolumn
8363 \ifnum \col@number=\@ne
8364 \maketitle
8365 \else
8366 \twocolumn[\maketitle]%
8367 \fi
8368 \else
8369 \newpage
8370 \global\@topnum\z@ % Prevents figures from going at top of page.
8371 \maketitle
8372 \fi
8373 \thispagestyle{plain}\@thanks
8374 \endgroup
8375 \setcounter{footnote}{0}%
8376 \global\let\thanks\relax
8377 \global\let\LTRthanks\relax
8378 \global\let\RTLthanks\relax
8379 \global\let\maketitle\relax
8380 \global\let\@maketitle\relax
8381 \global\let\@thanks\@empty

```



```

8382 \global\let\@author\@empty
8383 \global\let\@date\@empty
8384 \global\let\@title\@empty
8385 \global\let\title\relax
8386 \global\let\author\relax
8387 \global\let\date\relax
8388 \global\let\and\relax
8389 }
8390 \def\@maketitle{%
8391 \newpage
8392 \null
8393 \vskip 2em%
8394 \begin{center}%
8395 \let \footnote \thanks
8396 \let \LTRfootnote \LTRthanks
8397 \let \RTLfootnote \RTLthanks
8398 {\LARGE \@title \par}%
8399 \vskip 1.5em%
8400 {\large
8401 \lineskip .5em%
8402 \begin{tabular}[t]{c}%
8403 \@author
8404 \end{tabular}\par}%
8405 \vskip 1em%
8406 {\large \@date}%
8407 \end{center}%
8408 \par
8409 \vskip 1.5em}
8410 \fi}
8411 \renewcommand*\l@part[2]{%
8412 \ifnum \c@tocdepth >-2\relax
8413 \addpenalty{-\@highpenalty}%
8414 \addvspace{2.25em \@plus\p@}%
8415 \setlength\@tempdima{3em}%
8416 \begingroup
8417 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8418 \parfillskip -\@pnumwidth
8419 {\leavevmode
8420 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8421 \nobreak
8422 \global\@nobreaktrue
8423 \everypar{\global\@nobreakfalse\everypar{}}%
8424 \endgroup
8425 \fi}
8426 \renewcommand*\l@chapter[2]{%
8427 \ifnum \c@tocdepth >\m@ne
8428 \addpenalty{-\@highpenalty}%
8429 \vskip 1.0em \@plus\p@
8430 \setlength\@tempdima{1.5em}%
8431 \begingroup
8432 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8433 \parfillskip -\@pnumwidth
8434 \leavevmode \bfseries
8435 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

8436 \hskip -\if@RTL\righskip\else\leftskip\fi
8437 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8438 \penalty\@highpenalty
8439 \endgroup
8440 \fi}
8441 \renewcommand\left@footnoterule{%
8442 \kern-3\p@
8443 \hrule\@width.4\columnwidth
8444 \kern2.6\p@}
8445 \renewcommand\right@footnoterule{%
8446 \kern-3\p@
8447 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8448 \kern2.6\p@}
8449 \renewcommand\theequation
8450 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8451 \renewcommand \thefigure
8452 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8453 \renewcommand \thetable
8454 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8455 \renewcommand \thechapter {\@arabic\c@chapter}
8456 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8457 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8458 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8459 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8460 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8461 \def\@makechapterhead#1{%
8462 \vspace*{50\p@}%
8463 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8464 \ifnum \c@secnumdepth >\m@ne
8465 \if@mainmatter
8466 \huge\bfseries \@chapapp\space \thechapter
8467 \par\nobreak
8468 \vskip 20\p@
8469 \fi
8470 \fi
8471 \interlinepenalty\@M
8472 \Huge \bfseries #1\par\nobreak
8473 \vskip 40\p@
8474 }}
8475 \def\@makeschapterhead#1{%
8476 \vspace*{50\p@}%
8477 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8478 \normalfont
8479 \interlinepenalty\@M
8480 \Huge \bfseries #1\par\nobreak
8481 \vskip 40\p@
8482 }}
8483 \renewcommand\backmatter{%
8484 \if@openright
8485 \cleardoublepage
8486 \else
8487 \clearpage
8488 \fi
8489 \@mainmatterfalse}

```



```

8490 \renewenvironment{thebibliography}[1]
8491     {\chapter*{\bibname}%
8492      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8493      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8494      \bidi@thebibliography@font@hook%
8495      \list{\@biblabel{\@arabic\c@enumiv}}%
8496          {\settowidth\labelwidth{\@biblabel{#1}}%
8497           \leftmargin\labelwidth
8498           \advance\leftmargin\labelsep
8499           \@openbib@code
8500           \usecounter{enumiv}%
8501           \let\p@enumiv\@empty
8502           \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8503      \sloppy
8504      \clubpenalty4000
8505      \@clubpenalty \clubpenalty
8506      \widowpenalty4000%
8507      \sfcode\.\@m}
8508  {\def\@noitemerr
8509   {\@latex@warning{Empty `thebibliography' environment}}}%
8510  \endlist}

```

52 File breqn-xetex-bidi.def

```

8511 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
8512 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
8513   \everydisplay\expandafter{\the\everydisplay \display@setup}%
8514   \if@noskipsec \leavevmode \fi
8515   \if@inlabel \leavevmode \global\@inlabelfalse \fi
8516   \if\eq@group\else\eq@prelim\fi
8517   \setkeys{breqn}{#1}%
8518   \the\eqstyle
8519   \eq@setnumber
8520   \begingroup
8521   \eq@setup@a
8522   \eq@startup
8523 }
8524 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
8525   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
8526   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
8527   \global\let\GRP@label\@empty
8528   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
8529   \global\grp@linewidth\z@\global\grp@wdNum\z@
8530   \global\let\grp@eqs@numbered\@False
8531   \global\let\grp@aligned\@True
8532   \global\let\grp@shiftnumber\@False
8533   \eq@prelim
8534   \setkeys{breqn}{#1}%
8535   \if\grp@hasNumber \grp@setnumber \fi
8536 }
8537 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
8538   \let\display@setup\dseries@display@setup
8539   % Question: should this be the default for dseries???
8540   \global\eq@wdCond\z@

```



```

8541 \dmath[layout={M},#1]%
8542 \mathsurround\z@\@@math \penalty\@Mi
8543 \let\endmath\ends@math
8544 \def\premath{%
8545     \ifdim\lastskip<.3em \unskip
8546     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
8547 }%
8548 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
8549 \ignorespaces
8550 }
8551 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
8552 \renewenvironment{dsuspend}{%
8553     \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
8554     \parshape 1 \displayindent \displaywidth\relax
8555     \hsize=\columnwidth \noindent\ignorespaces
8556 }{%
8557     \par\egroup
8558     \global\setbox\GRP@box\vbox{%
8559         \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
8560         \unvbox\GRP@box
8561     }%
8562     \global\GRP@queue\@xp{\the\GRP@queue
8563         \@elt{\let\eq@isIntertext\@True}%
8564     }%
8565 }

```

53 File cals-xetex-bidi.def

```

8566 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
8567 \renewcommand\cals@setup@alignment[1]{%
8568 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
8569 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
8570 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
8571 }
8572 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
8573 \renewenvironment{calstable}[1][\cals@table@alignment]{%
8574 \if@RTLtab\cals@activate@rtl\fi
8575 \let\cals@thead@tokens=\relax
8576 \let\cals@tfoot@tokens=\relax
8577 \let\cals@tbody@tokens=\relax
8578 \cals@tfoot@height=0pt \relax
8579 \let\cals@last@context=n%
8580 \let\cals@current@context=b%
8581 \parindent=0pt \relax%
8582 \cals@setup@alignment{#1}%
8583 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
8584 %% Alignment inside is independent on center/flushright outside
8585 \parfillskip=0pt plus1fil\relax
8586 \let\cals@borderL=\relax
8587 \let\cals@borderR=\relax
8588 \let\cals@borderT=\relax
8589 \let\cals@borderB=\relax
8590 \setbox\cals@backup@row=\box\voidb@x\relax
8591 \cals@AtBeginTable

```



```

8592}{% End of the table
8593 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
8594 \renewcommand\alignL{%
8595 \if@RTLtab
8596 \cals@vfillAdd\cals@paddingL
8597 \else
8598 \cals@vfillDrop\cals@paddingL
8599 \fi
8600 \cals@vfillDrop\cals@paddingR}
8601 \renewcommand\alignR{%
8602 \if@RTLtab
8603 \cals@vfillDrop\cals@paddingL
8604 \else
8605 \cals@vfillAdd\cals@paddingL
8606 \fi
8607 \cals@vfillDrop\cals@paddingR}

```

54 File caption-xetex-bidi.def

```

8608 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package]
8609 \let\@makecaption\caption@makecaption

```

55 File caption3-xetex-bidi.def

```

8610 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
8611 \renewcommand*\caption@par{%
8612 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

56 File colortbl-xetex-bidi.def

```

8613 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
8614 \def\CT@setup{%
8615 \@tempdimb\col@sep
8616 \@tempdimc\col@sep
8617 \def\CT@color{%
8618 \global\let\CT@do@color\CT@@do@color
8619 \bidicolor}}
8620 \def\@classz{\@classx
8621 \@tempcnta\count@
8622 \prepnext@tok
8623 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
8624 \@addtopreamble{\if@RTLtab\beginL\fi%
8625 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
8626 \ifcase \@chnum
8627 \hskip\stretch{.5}\kern\z@
8628 \dollarbegin
8629 \insert@column
8630 \dollarend\hskip\stretch{.5}\or
8631 \dollarbegin \insert@column \dollarend \hfill \or
8632 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
8633 $\vcenter
8634 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
8635 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
8636 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox

```



```

8637 \fi
8638 \if@RTLtab\endR\fi\egroup\egroup
8639 \begingroup
8640 \CT@setup
8641 \CT@column@color
8642 \CT@row@color
8643 \CT@cell@color
8644 \CT@do@color
8645 \endgroup
8646 \@tempdima\ht\z@
8647 \advance\@tempdima\minrowclearance
8648 \vrule\@height\@tempdima\@width\z@
8649 \unhbox\z@\if@RTLtab\endL\fi}%
8650 \prepnext@tok}

```

57 File color-xetex-bidi.def

```

8651 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
8652 \long\def\color@b@x#1#2#3{%
8653 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
8654 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
8655 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
8656 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
8657 \ifx\color@block\wd\z@\ifx\ht\z@\ifx\dp\z@}%
8658 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
8659 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
8660 \DeclareRobustCommand\color{%
8661 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
8662 \def\@declaredcolor#1{%
8663 \ifundefined{\string\color @#1}%
8664 {\c@lor@error{`#1'}}%
8665 {\expandafter\let\expandafter\current@color
8666 \csname\string\color @#1\endcsname
8667 \set@color}%
8668 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
8669 \def\@undeclaredcolor[#1]#2{%
8670 \ifundefined{color@#1}%
8671 {\c@lor@error{model `#1'}}%
8672 {\csname color@#1\endcsname\current@color{#2}%
8673 \set@color}%
8674 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
8675 \DeclareRobustCommand\bidicolor{%
8676 \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
8677 \def\@bidiundeclaredcolor[#1]#2{%
8678 \ifundefined{color@#1}%
8679 {\c@lor@error{model `#1'}}%
8680 {\csname color@#1\endcsname\current@color{#2}%
8681 \set@color}%
8682 \ignorespaces}
8683 \def\@bidideclaredcolor#1{%
8684 \ifundefined{\string\color @#1}%
8685 {\c@lor@error{`#1'}}%
8686 {\expandafter\let\expandafter\current@color
8687 \csname\string\color @#1\endcsname

```




```

8688 \set@color}%
8689 \ignorespaces}
8690 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
8691 \def\color@fbox#1#2#3{%
8692 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
8693 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

58 File combine-xetex-bidi.def

```

8694 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
8695 \renewcommand{\c@ll@chapsecii}[2]{%
8696 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8697 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
8698 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8699 }
8700 \renewcommand{\c@ll@chapseci}{%
8701 \setlength\@tempdima{0em}%
8702 \begingroup
8703 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8704 \parfillskip -\@pnumwidth
8705 \leavevmode
8706 }
8707 \renewenvironment{tocindent}[1]{%
8708 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

59 File crop-xetex-bidi.def

```

8709 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
8710 \renewcommand*\CROP@ulc{%
8711 \if@RTLmain%
8712 \begin{picture}(0,0)
8713 \unitlength\p@\thinline
8714 \put(-40,0){\circle{10}}
8715 \put(-30,-5){\line(0,1){10}}
8716 \put(-35,0){\line(1,0){30}}
8717 \put(-10,30){\circle{10}}
8718 \put(-5,30){\line(1,0){10}}
8719 \put(0,35){\line(0,-1){30}}
8720 \end{picture}%
8721 \else%
8722 \begin{picture}(0,0)
8723 \unitlength\p@\thinline
8724 \put(-30,0){\circle{10}}
8725 \put(-30,-5){\line(0,1){10}}
8726 \put(-35,0){\line(1,0){30}}
8727 \put(0,30){\circle{10}}
8728 \put(-5,30){\line(1,0){10}}
8729 \put(0,35){\line(0,-1){30}}
8730 \end{picture}%
8731 \fi%
8732 }
8733 \renewcommand*\CROP@urc{%
8734 \if@RTLmain%
8735 \begin{picture}(0,0)

```



```

8736      \unitlength\p@\thinlines
8737      \put(20,0){\circle{10}}
8738      \put(30,-5){\line(0,1){10}}
8739      \put(35,0){\line(-1,0){30}}
8740      \put(-10,30){\circle{10}}
8741      \put(-5,30){\line(1,0){10}}
8742      \put(0,35){\line(0,-1){30}}
8743      \end{picture}%
8744      \else%
8745      \begin{picture}(0,0)
8746      \unitlength\p@\thinlines
8747      \put(30,0){\circle{10}}
8748      \put(30,-5){\line(0,1){10}}
8749      \put(35,0){\line(-1,0){30}}
8750      \put(0,30){\circle{10}}
8751      \put(-5,30){\line(1,0){10}}
8752      \put(0,35){\line(0,-1){30}}
8753      \end{picture}%
8754      \fi%
8755  }
8756  \renewcommand*\CROP@llc{%
8757    \if@RTLmain%
8758      \begin{picture}(0,0)
8759      \unitlength\p@\thinlines
8760      \put(-40,0){\circle{10}}
8761      \put(-30,-5){\line(0,1){10}}
8762      \put(-35,0){\line(1,0){30}}
8763      \put(-10,-30){\circle{10}}
8764      \put(-5,-30){\line(1,0){10}}
8765      \put(0,-35){\line(0,1){30}}
8766      \end{picture}%
8767      \else%
8768      \begin{picture}(0,0)
8769      \unitlength\p@\thinlines
8770      \put(-30,0){\circle{10}}
8771      \put(-30,-5){\line(0,1){10}}
8772      \put(-35,0){\line(1,0){30}}
8773      \put(0,-30){\circle{10}}
8774      \put(-5,-30){\line(1,0){10}}
8775      \put(0,-35){\line(0,1){30}}
8776      \end{picture}%
8777      \fi%
8778  }
8779  \renewcommand*\CROP@llrc{%
8780    \if@RTLmain%
8781      \begin{picture}(0,0)
8782      \unitlength\p@\thinlines
8783      \put(20,0){\circle{10}}
8784      \put(30,-5){\line(0,1){10}}
8785      \put(35,0){\line(-1,0){30}}
8786      \put(-10,-30){\circle{10}}
8787      \put(-5,-30){\line(1,0){10}}
8788      \put(0,-35){\line(0,1){30}}
8789      \end{picture}%

```



```

8790 \else%
8791 \begin{picture}(0,0)
8792 \unitlength\p@\thinline
8793 \put(30,0){\circle{10}}
8794 \put(30,-5){\line(0,1){10}}
8795 \put(35,0){\line(-1,0){30}}
8796 \put(0,-30){\circle{10}}
8797 \put(-5,-30){\line(1,0){10}}
8798 \put(0,-35){\line(0,1){30}}
8799 \end{picture}%
8800 \fi%
8801 }
8802 \@ifpackagewith{crop}{cam}{%
8803 \CROP@execopt{cam}%
8804 }{}

```

60 File cutwin-xetex-bidi.def

```

8805 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
8806 \renewcommand*{\c@twcompctr}[2]{%
8807 \def\c@twfirst{1}
8808 \loop\advance\c@twwinlines\m@ne
8809 \setbox\c@twslicea=\vsplit#1 to\baselineskip
8810 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
8811 \c@twprune{\c@twslicea}{\c@twlftside}%
8812 \c@twprune{\c@twsliceb}{\c@twrtside}%
8813 \ifnum\c@twfirst=\@ne
8814 \setbox#2=\vbox{\unvbox#2\hbox
8815 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
8816 \else
8817 \setbox#2=\vbox{\unvbox#2\hbox
8818 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
8819 \fi
8820 \def\c@twfirst{2}
8821 \ifnum\c@twwinlines>\z@\repeat}
8822 \renewcommand*{\c@twcompodctr}[2]{%
8823 \def\c@twrounds{1}
8824 \def\c@twfirst{1}
8825 \@for\c@twlspec:=\c@twb\do{%
8826 \ifnum\c@twrounds=1
8827 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
8828 \c@twprune{\c@twslicea}{\c@twlspec}%
8829 \def\c@twrounds{2}
8830 \else
8831 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
8832 \c@twprune{\c@twsliceb}{\c@twlspec}%
8833 \ifnum\c@twfirst=1
8834 \setbox#2=\vbox{\unvbox#2\hbox
8835 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@tw
8836 \def\c@twfirst{2}
8837 \else
8838 \setbox#2=\vbox{\unvbox#2\hbox
8839 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
8840 \fi

```



```

8841     \def\c@twounds{1}
8842     \fi}}

```

61 File cuted-xetex-bidi.def

```

8843 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
8844
8845 \def\RTL@outputdblcol{%
8846   \if@firstcolumn
8847     \global\@firstcolumnfalse
8848     \global\setbox\@leftcolumn\copy\@outputbox
8849     \splitmaxdepth\maxdimen
8850     \vbadness\maxdimen
8851     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
8852     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
8853     \toks@\expandafter{\topmark}%
8854     \xdef\@firstcoltopmark{\the\toks@}%
8855     \toks@\expandafter{\splitfirstmark}%
8856     \xdef\@firstcolfirstmark{\the\toks@}%
8857     \ifx\@firstcolfirstmark\@empty
8858       \global\let\@setmarks\relax
8859     \else
8860       \gdef\@setmarks{%
8861         \let\firstmark\@firstcolfirstmark
8862         \let\topmark\@firstcoltopmark}%
8863     \fi
8864   \else
8865     \global\@firstcolumntrue
8866     \setbox\@outputbox\vbox{%
8867       \hb@xt@\textwidth{%
8868         \hskip \columnwidth
8869         \hfil
8870         {\normalcolor\vrule \@width\columnseprule}%
8871         \hfil
8872         \hb@xt@\columnwidth{%
8873           \bidi@firstcolumn@status@write%
8874           \box\@leftcolumn \hss}%
8875         \hskip -\textwidth
8876         \hb@xt@\columnwidth{%
8877           \bidi@lastcolumn@status@write%
8878           \box\@outputbox \hss}%
8879         \hskip \columnsep
8880         \hskip \columnwidth }}%
8881     \ifvoid\hold@viper
8882     \else
8883       \setbox\@outputbox \vbox to\textheight{%
8884         \box\hold@viper
8885         \box\@outputbox
8886         \vss
8887       }%
8888     \fi
8889   \@combinedblfloats
8890   \@setmarks
8891   \@outputpage

```



```

8892 \beginngroup
8893 \@dblfloatplacement
8894 \@startdblcolumn
8895 \@whilesw\if@fcolmade \fi{\@outputpage
8896 \@startdblcolumn}%
8897 \ifvoid\@viper
8898 \else
8899 \global\setbox\@viper\vbox{%
8900 \vskip-\stripsep
8901 \unvbox\@viper
8902 }%
8903 \@viperoutput
8904 \fi
8905 \endgroup
8906 \fi}%
8907
8908 \def\LTR@outputdblcol{%
8909 \if@firstcolumn
8910 \global\@firstcolumnfalse
8911 \global\setbox\@leftcolumn\copy\@outputbox
8912 \splitmaxdepth\maxdimen
8913 \vbadness\maxdimen
8914 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
8915 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
8916 \toks@{\expandafter{\topmark}}%
8917 \xdef\@firstcoltopmark{\the\toks@}%
8918 \toks@{\expandafter{\splitfirstmark}}%
8919 \xdef\@firstcolfirstmark{\the\toks@}%
8920 \ifx\@firstcolfirstmark\@empty
8921 \global\let\@setmarks\relax
8922 \else
8923 \gdef\@setmarks{%
8924 \let\firstmark\@firstcolfirstmark
8925 \let\topmark\@firstcoltopmark}%
8926 \fi
8927 \else
8928 \global\@firstcolumntrue
8929 \setbox\@outputbox\vbox{%
8930 \hb@xt@\textwidth{%
8931 \hb@xt@\columnwidth{%
8932 \bidi@firstcolumn@status@write%
8933 \box\@leftcolumn \hss}%
8934 \hfil
8935 {\normalcolor\vrule \@width\columnseprule}%
8936 \hfil
8937 \hb@xt@\columnwidth{%
8938 \bidi@lastcolumn@status@write%
8939 \box\@outputbox \hss}}}%
8940 \ifvoid\hold@viper
8941 \else
8942 \setbox\@outputbox \vbox to\textheight{%
8943 \box\hold@viper
8944 \box\@outputbox
8945 \vss

```



```

8946                                     }%
8947     \fi
8948 \combinedblfloats
8949 \setmarks
8950 \outputpage
8951 \begingroup
8952     \dblfloatplacement
8953     \startdblcolumn
8954     \whilesw@if@fcolmade \fi{\@outputpage
8955 \startdblcolumn}%
8956 \ifvoid\@viper
8957 \else
8958     \global\setbox\@viper\vbox{%
8959         \vskip-\stripsep
8960         \unvbox\@viper
8961     }%
8962     \@viperoutput
8963 \fi
8964 \endgroup
8965 \fi}%
8966
8967 \def\@addviper{%
8968     \insertfalse
8969     \def\var@thecol@num{2}%
8970     \if@firstcolumn
8971         \def\var@thecol@num{1}%
8972         \@reqcolroom=.5\@pageht
8973         \ht@viper=\@reqcolroom
8974         \advance\@reqcolroom by\ht\@viper
8975         \advance\@reqcolroom by\stripsep
8976     \else
8977         \@reqcolroom=\@colht
8978         \advance\@reqcolroom by\@pageht
8979         \ht@viper.5\@reqcolroom
8980         \@reqcolroom=\ht@viper
8981         \advance\@reqcolroom by\ht\@viper
8982         \advance\@reqcolroom by\stripsep
8983         \global\setbox\@holdpg\vbox{%
8984             \setbox\cuted@tempbox@a\vbox{%
8985                 \aftergroup\unvbox
8986                 \unvcopy\@leftcolumn
8987                 \unskip\unkern\unpenalty
8988                 \setbox\@tempbox@a\lastbox
8989                 \ifdim\dimexpr\ht\@tempbox@a+\wd\@tempbox@a+\dp\@tempbox@a>\z@
8990                     %% keeps lastbox
8991                     \aftergroup\@leftcolumn
8992                 \else
8993                     %% removes lastbox
8994                     \aftergroup\cuted@tempbox@a
8995                 \fi
8996             }%
8997             \unskip\unkern\unpenalty
8998             \on@stripcols@break
8999             \the\At@ViperColsBreak

```



```

9000         \unvbox\@holdpg
9001     }%
9002     \global\At@ViperColsBreak{}%
9003     \ht@viper=.5\ht\@holdpg
9004     \ifdim\ht@viper>\@colht
9005         \ht@viper=\@colht
9006     \fi
9007 \fi
9008 %%
9009 %% calculations for breaking
9010 %%
9011 \ifvoid\hold@viper
9012     \ht@hold@viper=\z@
9013 \else
9014     \ht@hold@viper=\ht\hold@viper
9015 \fi
9016 \cuted@@tempdim@b\ht@viper
9017 \set@split@topskip@to\topskip
9018 \loop
9019     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
9020     \setbox\cuted@@varbox@a\copy\@holdpg
9021     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
9022     %% set leftcolumn boxes
9023     \setbox\cuted@@tempbox@c\ vbox{\unvbox\cuted@@tempbox@a}%
9024     \setbox\cuted@@tempbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
9025     \xdef\var@@leftcolumn@badness{\the\badness}%
9026     %% set rightcolumn boxes
9027     \setbox\cuted@@varbox@c\ vbox{\unvbox\cuted@@varbox@a}%
9028     \setbox\cuted@@varbox@a\ vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
9029     \xdef\var@@rightcolumn@badness{\the\badness}%
9030     %% analyzing split goodness
9031     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
9032     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
9033     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
9034     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
9035     \cuted@@wlog@debug{CUTED [-----]}%
9036     ^^JLeft: \the\ht\cuted@@tempbox@c
9037     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
9038     ^^JRight: \the\ht\cuted@@varbox@c
9039     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
9040     ^^JSplit: \the\cuted@@tempdim@b
9041     ^^JExtra height: \the\cuted@@tempdim@spread
9042     }%
9043     \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
9044         \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
9045             \cuted@@tempdim@spread=\z@
9046         \fi
9047     \fi
9048     \ifdim\cuted@@tempdim@spread<\z@
9049         \ifleftcolumn@spread
9050             \ifrightcolumn@shrink
9051                 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
9052                     \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
9053                 \else

```



```

9054             \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\rela
9055         \fi
9056         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
9057         \ifnum\badness<\cuted@@column@badness
9058             \cuted@@tempdim@b=\cuted@@tempdim@a
9059             \cuted@@tempdim@spread=\z@
9060         \fi
9061         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on
9062         \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
9063         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on
9064     \else
9065         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\%
9066             \unvcopy\cuted@@tempbox@c
9067             }%
9068         \ifnum\badness<\cuted@@column@badness
9069             \@tempdimb=\ht\cuted@@varbox@c
9070             \cuted@@tempdim@spread=\z@
9071         \fi
9072         \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\h
9073         \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\%
9074             \unvcopy\cuted@@varbox@c
9075             }%
9076         \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\h
9077     \fi
9078     \else
9079         \if@right@column@shrink
9080             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
9081                 \else
9082                     \cuted@@tempdim@b=\ht\cuted@@tempbox@c
9083                     \cuted@@tempdim@spread=\z@
9084                 \fi
9085             \fi
9086         \fi
9087     \else
9088         \ifdim\cuted@@tempdim@spread>\z@
9089             \ifdim\dimexpr\@tempdimb+p@>\relax>\@colht
9090                 \cuted@@tempdim@b=\@colht
9091                 \cuted@@tempdim@spread=\z@
9092             \fi
9093         \fi
9094     \fi
9095     \ifdim\cuted@@tempdim@spread<\z@
9096         \advance\cuted@@tempdim@b 1p@
9097     \repeat
9098     \wlog{CUTED [- LAST -]}%
9099     ^^JExtra skip:\the\cuted@@tempdim@spread
9100     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
9101     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
9102     ^^JSplit: \saved@tempdimb
9103     ^^JOutput:\the\cuted@@tempdim@b
9104     ^^JPageshrink: \the\pageshrink
9105     ^^JPagestretch: \the\pagestretch
9106     ^^J@colht:\the\@colht
9107     }%

```




```

9108 %%
9109 %% final construction of the cuted page above strip
9110 %%
9111 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
9112 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
9113   \cuted@@tempdim@a=\dimexpr
9114     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
9115   \relax
9116   \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
9117   \unvbox\cuted@@tempbox@c
9118   \ifdim\cuted@@tempdim@spread>\dp\strutbox
9119   \else
9120     \vskip-\cuted@@tempdim@spread
9121   \fi
9122   \prevdepth\z@
9123   \hrule\@height\cuted@@page@rule width\textwidth
9124   \vskip-\cuted@@page@rule
9125   \ifdim\cuted@@tempdim@a>\z@
9126     \if@left@column@spread
9127     \else
9128       \vss
9129     \fi
9130   \else
9131     \ifdim\cuted@@tempdim@a<\z@
9132       \if@left@column@shrink
9133       \else
9134         \vss
9135       \fi
9136     \fi
9137   \fi
9138 }%
9139 \wlog{CUTED [output]: \the\cuted@@tempdim@b
9140   ^^JCUTED [leftcolumn badness]: \number\badness
9141 }%
9142 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
9143   \cuted@@tempdim@a=\dimexpr
9144     \cuted@@tempdim@b-\ht\@holdpg
9145   \relax
9146   \unvbox\@holdpg
9147   \ifdim\cuted@@tempdim@a>\z@
9148     \if@right@column@spread
9149     \else
9150       \vss
9151     \fi
9152   \else
9153     \ifdim\cuted@@tempdim@a<\z@
9154       \if@right@column@shrink
9155       \else
9156         \vss
9157       \fi
9158     \fi
9159   \fi
9160 }%
9161 \wlog{CUTED [rightcolumn badness]: \number\badness}%

```



```

9162 \setbox\cuted@@tempbox\var\ vbox{%
9163 \hb@xt@\textwidth{%
9164 \if@RTLmain
9165 \hskip \columnwidth
9166 \hfil
9167 {\normalcolor\vrule \@width\columnseprule}%
9168 \hfil
9169 \hb@xt@\columnwidth{%
9170 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
9171 \hss
9172 }%
9173 \hskip -\textwidth
9174 \hb@xt@\columnwidth{%
9175 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
9176 \hss
9177 }%
9178 \hskip \columnsep
9179 \hskip \columnwidth
9180 \else
9181 \hb@xt@\columnwidth{%
9182 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
9183 \hss
9184 }%
9185 \hfil
9186 {\normalcolor\vrule \@width\columnseprule}%
9187 \hfil
9188 \hb@xt@\columnwidth{%
9189 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
9190 \hss
9191 }%
9192 \fi
9193 }%
9194 }%
9195 %%
9196 %% finalize cuted page
9197 %%
9198 \ifvoid\hold@viper
9199 \global\setbox\hold@viper\ vbox{%
9200 \unvbox\cuted@@tempbox\var
9201 \penalty\interlinepenalty
9202 \vskip\stripsep
9203 \the\preCutedStrip
9204 \ifnum\outputpenalty<-\@Mii
9205 \vskip -\parskip
9206 \fi
9207 \outputpenalty\z@
9208 }%
9209 \else
9210 \global\setbox\hold@viper\ vbox{%
9211 \unvbox\hold@viper
9212 \cuted@@tempbox\var
9213 \penalty\interlinepenalty
9214 \vskip\stripsep
9215 \the\preCutedStrip

```



```

9216         \ifnum\outputpenalty<-\@Mii
9217             \vskip -\parskip
9218         \fi
9219         \outputpenalty\z@
9220     }%
9221 \fi
9222 \ifdim\@colht>\@reqcolroom
9223     \global\setbox\hold@viper\vbox{%
9224         \unvbox\hold@viper
9225         \box\@viper
9226         \penalty\interlinepenalty
9227         \the\postCutedStrip
9228         \vskip\stripsep
9229         \ifnum\outputpenalty<-\@Mii
9230             \vskip -\parskip
9231         \fi
9232         \outputpenalty\z@
9233     }%
9234 \@inserttrue
9235 \global\@firstcolumntrue
9236 \advance\ht@hold@viper by-\ht\hold@viper
9237 \global\advance\@colht by\ht@hold@viper
9238 \ifdim\@colht<2.5\baselineskip
9239     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
9240                             too tall on page \thepage (\var@@thecol@num column)}}%
9241     \@emptycol
9242     \if@firstcolumn
9243     \else
9244         \@emptycol
9245     \fi
9246     \global\@lastvipertrue
9247 \else
9248     \global\vsizel\@colht
9249     \global\@colroom\@colht
9250     \check@floats\cuted@@tempdim@a
9251     \ifdim\cuted@@tempdim@a>\z@
9252         \global\advance\@colroom by-\cuted@@tempdim@a
9253     \fi
9254     \ifdim\@colroom<\z@
9255         \global\@colroom\p@
9256         \ifdim\cuted@@tempdim@a>\@colht
9257             \@latex@warning@no@line{TOP and/or BOT FLOAT's
9258                                     to large on \thepage (\var@@thecol@num column)}}%
9259         \fi
9260         \@emptycol
9261         \if@firstcolumn
9262         \else
9263             \@emptycol
9264         \fi
9265         \global\@lastvipertrue
9266     \fi
9267 \fi
9268 \fi
9269 \if@insert

```



```

9270 \else
9271 \advance\ht@hold@viper by-\ht\hold@viper
9272 \global\advance\@colht by\ht@hold@viper
9273 \global\setbox\hold@viper\ vbox{%
9274 \unvbox\hold@viper
9275 \set@split@topskip@to{\z@ plus2\p@}%
9276 \vsplit\@viper to\@colht
9277 \vss
9278 }%
9279 \vbox{%
9280 \global\@firstcolumnfalse
9281 \newpage
9282 \fi
9283 }

```

62 File cvthemebidicasual.sty

```

9284 \NeedsTeXFormat{LaTeX2e}
9285 \ProvidesPackage{cvthemebidicasual}
9286 \DeclareOption{blue}{}
9287 \newif\if@colourorange\@colourorangefalse
9288 \DeclareOption{orange}{\@colourorangertrue}
9289 \newif\if@colourgreen\@colourgreenfalse
9290 \DeclareOption{green}{\@colourgreentrue}
9291 \newif\if@colourred\@colourredfalse
9292 \DeclareOption{red}{\@colourredtrue}
9293 \newif\if@colourgrey\@colourgreyfalse
9294 \DeclareOption{grey}{\@colourgreytrue}
9295 \DeclareOption*{
9296 \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
9297 \ExecuteOptions{colour}
9298 \ProcessOptions\relax
9299 \renewcommand*{\listitemsymbol}{\textbullet}
9300 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
9301 \familynamecolour{808080}
9302 \firstnamecolour{A9A9A9}
9303 \quotecolour{696969}
9304 \addresscolour{696969}
9305 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
9306 \sectiontitlecolour{1E90FF}
9307 \subsectioncolour{4682B4}
9308 \definecolor{rulecolour}{gray}{0.6}
9309 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
9310 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
9311 \if@colourorange
9312 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
9313 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
9314 \sectiontitlecolour{FF8C00}
9315 \subsectioncolour{FF8C00}
9316 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
9317 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
9318 \if@colourgreen
9319 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
9320 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}

```



```

9321 \sectiontitlecolour{008000}
9322 \subsectioncolour{008000}
9323 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
9324 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
9325 \if@coloured
9326 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
9327 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
9328 \sectiontitlecolour{FF0000}
9329 \subsectioncolour{FF0000}
9330 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
9331 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
9332 \if@colourgrey
9333 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
9334 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
9335 \sectiontitlecolour{808080}
9336 \subsectioncolour{808080}
9337 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
9338 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
9339 \renewcommand*{\ttdefault}{pcr}
9340 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
9341 \renewcommand*{\familynamefont}{\firstnamefont}
9342 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
9343 \renewcommand*{\quoteftfont}{\large\slshape}
9344 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
9345 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
9346 \renewcommand*{\maketitle}{%
9347   {%
9348     \ifthenelse{\isundefined{\@photo}}{%
9349       {%
9350         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
9351         \hfill%
9352         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}
9353         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
9354       \ifthenelse{\isundefined{\@quote}}{%
9355         {%
9356           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
9357         }%
9358     \newif\if@firstfooterelement\@firstfooterelementtrue
9359 \providecommand*{\footersymbol}{%
9360 \renewcommand*{\footersymbol}{%
9361   \if@firstfooterelement%
9362   \else%
9363     {~~\color{footersymbolcolor}\textbullet~~}\fi}
9364 \providecommand*{\makefooter}{%
9365 \renewcommand*{\makefooter}{%
9366   \fancypagestyle{plain}{%
9367     \fancyfoot[c]{%
9368       \parbox{0.8\textwidth}{%
9369         \centering%
9370         \addressfont\@addresscolour%
9371         \ifthenelse{\isundefined{\@address}}{\}{}%
9372         \addresssymbol~\@address\}%
9373         \@firstfooterelementfalse}%
9374       \ifthenelse{\isundefined{\@mobile}}{\}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}

```



```

9375 \ifthenelse{\isundefined{\@phone}}{\footersymbol\phonesymbol~\@phone\@firstfooterele
9376 \ifthenelse{\isundefined{\@fax}}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfa
9377 \ifthenelse{\isundefined{\@email}}{\footersymbol\emailsymbol~\emaillink{\@email}\@fi
9378 \ifthenelse{\isundefined{\@extrainfo}}{\footersymbol\@extrainfo\@firstfooterelementf
9379 }%
9380 \pagestyle{plain}}
9381 \AtBeginDocument{\makefooter}

```

63 File cvthemebidiclassic.sty

```

9382 \NeedsTeXFormat{LaTeX2e}
9383 \ProvidesPackage{cvthemebidiclassic}
9384 \DeclareOption{blue}{}
9385 \newif\if@colourorange\@colourorangefalse
9386 \DeclareOption{orange}{\@colourorangetrue}
9387 \newif\if@colourgreen\@colourgreenfalse
9388 \DeclareOption{green}{\@colourgreentrue}
9389 \newif\if@colourred\@colourreddfalse
9390 \DeclareOption{red}{\@colourreddtrue}
9391 \newif\if@colourgrey\@colourgreyfalse
9392 \DeclareOption{grey}{\@colourgreytrue}
9393 \DeclareOption*{
9394 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
9395 \ExecuteOptions{colour}
9396 \ProcessOptions\relax
9397 \renewcommand*{\listitemsymbol}{\textbullet}
9398 \firstnamecolour{}
9399 \familynamecolour{}
9400 \titlecolour{808080}
9401 \quotecolour{696969}
9402 \addresscolour{696969}
9403 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
9404 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
9405 \sectiontitlecolour{1E90FF}
9406 \subsectioncolour{4682B4}
9407 \if@colourorange
9408 \addresscolour{FF8C00}
9409 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
9410 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
9411 \sectiontitlecolour{FF8C00}
9412 \subsectioncolour{FF8C00}\fi
9413 \if@colourgreen
9414 \addresscolour{008000}
9415 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
9416 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
9417 \sectiontitlecolour{008000}
9418 \subsectioncolour{008000}\fi
9419 \if@colourred
9420 \addresscolour{FF0000}
9421 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
9422 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
9423 \sectiontitlecolour{FF0000}
9424 \subsectioncolour{FF0000}\fi
9425 \if@colourgrey

```



```

9426 \addresscolour{808080}
9427 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
9428 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
9429 \sectiontitlecolour{808080}
9430 \subsectioncolour{808080}\fi
9431 \renewcommand*{\ttdefault}{pcr}
9432 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
9433 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
9434 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
9435 \renewcommand*{\familynamefont}{\firstnamefont}
9436 \renewcommand*{\quote font}{\large\slshape}
9437 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
9438 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
9439 \newlength{\maketitlenamemaxwidth}
9440 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
9441 \newlength{\maketitlenamefullwidth}
9442 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
9443 \newlength{\maketitlenamewidth}
9444 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
9445 \newlength{\maketitlepicturewidth}
9446 \setlength{\maketitlepicturewidth}{\@photowidth}
9447 \newlength{\maketitledetailwidth}
9448 \renewcommand*{\recomputethemelengths}{%
9449 \setlength{\maketitledetailwidth}{\textwidth}%
9450 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
9451 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
9452 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
9453 \recomputethemelengths
9454 \newif\if@firstdetailselement\@firstdetailselementtrue
9455 \newcommand*{\maketitledetailnewline}{
9456 \if@firstdetailselement%
9457 \@firstdetailselementfalse%
9458 \else%
9459 \[\.2em]\fi}
9460 \renewcommand*{\maketitle}{%
9461 % name and title
9462 \begin{minipage}[b]{\maketitlenamewidth}%
9463 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
9464 \ifthenelse{\equal{\@title}{}}{\[\1.25em]\titlestyle{\@title}}{}%
9465 \end{minipage}%
9466 % optional data
9467 \begin{minipage}[b]{\maketitledetailwidth}%
9468 \bidi@raggedleft\addressfont\@addresscolour%
9469 \ifthenelse{\isundefined{\@address}}{\[%
9470 \maketitledetailnewline%
9471 \addresssymbol~\[\@address}%
9472 \ifthenelse{\isundefined{\@mobile}}{\maketitledetailnewline\mobilesymbol~\@mobile}%
9473 \ifthenelse{\isundefined{\@phone}}{\maketitledetailnewline\phonesymbol~\@phone}%
9474 \ifthenelse{\isundefined{\@fax}}{\maketitledetailnewline\faxsymbol~\@fax}%
9475 \ifthenelse{\isundefined{\@email}}{\maketitledetailnewline\emailsymbol~\emailink{\@email}}{}%
9476 \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailnewline\@extrainfo}%
9477 \end{minipage}%
9478 % optional photo
9479 \ifthenelse{\isundefined{\@photo}}{}%

```



```

9480    {}%
9481    {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
9482    % optional quote
9483    \ifthenelse{\isundefined{\@quote}}%
9484    {}%
9485    {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
9486    }

```

64 File dblfnote-xetex-bidi.def

```

9487 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
9488 \let\autofooterule\relax
9489 \let\rightfootnoterule\relax
9490 \let\leftfootnoterule\relax
9491 \let\textwidthfootnoterule\relax
9492 \let\LRfootnoterule\relax
9493 \def\footnoterule{\kern-3\p@
9494   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
9495 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
9496 \let\@footnotetext\dfn@footnotetext}
9497 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
9498   \let\insert\dfn@gobble
9499   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
9500   \def\@makefnmark{\smash{\dfn@makefnmark}}
9501   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
9502   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
9503   \ifdim\dfn@dima>\z@else
9504     \dfn@dima1sp\relax
9505     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
9506   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
9507     \ifvoid\dfn@ins\else
9508       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
9509     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
9510   \setbox\dfn@boxa\copy\dfn@ins
9511   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9512   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
9513   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
9514   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
9515   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
9516 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
9517 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
9518 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
9519   \let\insert\dfn@gobble
9520   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
9521   \def\@makefnmark{\smash{\dfn@makefnmark}}
9522   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
9523   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
9524   \ifdim\dfn@dima>\z@else
9525     \dfn@dima1sp\relax
9526     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
9527   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
9528     \ifvoid\dfn@ins\else
9529       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
9530     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%

```




```

9531 \setbox\dfn@boxa\copy\dfn@ins
9532 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9533 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
9534 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
9535 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
9536 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
9537 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
9538 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
9539 \def\dfn@RTLmakecol{\ifvoid\footins\else
9540 \dfn@dima\ht\footins
9541 \@tempcnta\z@ \dfn@countins
9542 \@tempdima\z@ \let\@elt\dfn@elt@getht
9543 \dfn@list\@nil
9544 \ifdim\@tempdima=\z@\else
9545 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
9546 \global\setbox\dfn@ins\box\dfn@ins
9547 \@tempswatrue
9548 \ifdfn@trysingle
9549 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
9550 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
9551 \advance\@tempdima-\skip\footins
9552 \advance\@tempdima-\ht\dfn@boxa
9553 \ifdim\@tempdima<\z@\else \@tempswafalse
9554 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
9555 \footnoterule \unvbox\dfn@boxa}\fi\fi
9556 \if@tempswa
9557 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9558 \global\setbox\footins\vbox{\hbox{%
9559 \hskip \DFNcolumnwidth
9560 \hskip\DFNcolumnsep
9561 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
9562 \unvbox\dfn@boxb\vss}\hss}
9563 \hskip -\textwidth
9564 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
9565 \vbox to\@tempdima{
9566 \setbox\@tempboxa\vbox{\footnoterule}
9567 \ifdfn@ruleboth \unvbox\@tempboxa
9568 \else \@tempdima\ht\@tempboxa
9569 \advance\@tempdima\dp\@tempboxa
9570 \vskip\@tempdima
9571 \prevdepth\dp\@tempboxa \fi
9572 \unvbox\dfn@boxa\vss}\fi\hss}
9573 \hskip \DFNcolumnsep
9574 \hskip \DFNcolumnwidth}}\fi\fi
9575 \global\dfn@fnht\z@
9576 \ifx\dfn@list\@empty\else
9577 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
9578 \dfn@list \global\advance\dfn@fnht\dfn@dimb
9579 \let\@elt\relax
9580 \ifdim\dfn@dimb>\z@
9581 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
9582 \insert\footins{\floatingpenalty\@MM
9583 \vbox to\dfn@dimb{}}\fi
9584 \ifdim\dfn@fnht>\@tempdima

```



```

9585 \tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
9586 \global\dfn@fnht\@tempdima
9587 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
9588 \xdef\dfn@afteroutput{\insert\footins{
9589 \floatingpenalty\@MM
9590 \vbox to\number\@tempdimb sp{}}}%
9591 \global\let\noexpand\dfn@afteroutput\relax}%
9592 \fi\fi
9593 \fi}%
9594 \let\footnoterule\relax \dfn@latex@makecol
9595 \let\footnoterule\dfn@footnoterule}
9596 \def\dfn@LTRmakecol{\ifvoid\footins\else
9597 \dfn@dima\ht\footins
9598 \@tempcnta\z@ \dfn@countins
9599 \@tempdima\z@ \let\@elt\dfn@elt@getht
9600 \dfn@list\@nil
9601 \ifdim\@tempdima=\z@\else
9602 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
9603 \global\setbox\dfn@ins\box\dfn@ins
9604 \@tempswatrue
9605 \ifdfn@trysingle
9606 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
9607 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
9608 \advance\@tempdima-\skip\footins
9609 \advance\@tempdima-\ht\dfn@boxa
9610 \ifdim\@tempdima<\z@\else \@tempswafalse
9611 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
9612 \footnoterule \unvbox\dfn@boxa}\fi\fi
9613 \if@tempswa
9614 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9615 \global\setbox\footins\vbox{\hbox{%
9616 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
9617 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
9618 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
9619 \vbox to\@tempdima{
9620 \setbox\@tempboxa\vbox{\footnoterule}
9621 \ifdfn@ruleboth \unvbox\@tempboxa
9622 \else \@tempdima\ht\@tempboxa
9623 \advance\@tempdima\dp\@tempboxa
9624 \vskip\@tempdima
9625 \prevdepth\dp\@tempboxa \fi
9626 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
9627 \global\dfn@fnht\z@
9628 \ifx\dfn@list\@empty\else
9629 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
9630 \dfn@list \global\advance\dfn@fnht\dfn@dimb
9631 \let\@elt\relax
9632 \ifdim\dfn@dimb>\z@
9633 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
9634 \insert\footins{\floatingpenalty\@MM
9635 \vbox to\dfn@dimb{}}\fi
9636 \ifdim\dfn@fnht>\@tempdima
9637 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
9638 \global\dfn@fnht\@tempdima

```



```

9639 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%
9640 \xdef\dfn@afteroutput{\insert\footins{
9641 \floatingpenalty\MM
9642 \vbox to\number\@tempdimb sp{}}}%
9643 \global\let\noexpand\dfn@afteroutput\relax}%
9644 \fi\fi
9645 \fi}%
9646 \let\footnoterule\relax \dfn@latex@makecol
9647 \let\footnoterule\dfn@footnoterule}
9648 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
9649 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
9650 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
9651 \DFNalwaysdouble

```

65 File diagbox-xetex-bidi.def

```

9652 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
9653 \bidi@patchcmd{\diagbox@double}{%
9654 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
9655 }{\bidi@@diagbox@double@ii}{-}{-}
9656 \bidi@patchcmd{\diagbox@double}{%
9657 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
9658 }{\bidi@@diagbox@double@iii}{-}{-}
9659 \newcommand*{\bidi@@diagbox@double@ii}{%
9660 \if@RTL
9661 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
9662 \else
9663 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
9664 \fi
9665 }
9666 \newcommand*{\bidi@@diagbox@double@iii}{%
9667 \if@RTL
9668 \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}
9669 \else
9670 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
9671 \fi
9672 }
9673 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9674 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
9675 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
9676 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9677 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
9678 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
9679 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9680 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
9681 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
9682 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
9683 \if@RTL
9684 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
9685 \else
9686 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
9687 \fi}
9688 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
9689 \if@RTL

```



```

9690 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
9691 \else
9692 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
9693 \fi
9694 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
9695 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9696 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
9697 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
9698 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9699 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9700 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
9701 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9702 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9703 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
9704 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
9705 \if@RTL
9706 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}
9707 \else
9708 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
9709 \fi
9710 }
9711 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
9712 \if@RTL
9713 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
9714 \else
9715 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
9716 \fi
9717 }
9718 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
9719 \bidi@patchcmd{\diagbox@double@pict@SE}{%
9720 \diagbox@setlinecolor
9721 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
9722 }{%
9723 {\diagbox@setlinecolor
9724 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
9725 }{-}{-}
9726 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
9727 \bidi@patchcmd{\diagbox@double@pict@NE}{%
9728 \diagbox@setlinecolor
9729 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
9730 }{%
9731 {\diagbox@setlinecolor
9732 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
9733 }{-}{-}
9734 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
9735 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
9736 \diagbox@setlinecolor
9737 \Line(0,\yym)(\x,0)
9738 \Line(\xm,\y)(\x,0)%
9739 }{%
9740 {\diagbox@setlinecolor
9741 \Line(0,\yym)(\x,0)
9742 \Line(\xm,\y)(\x,0)}%
9743 }{-}{-}

```



```

9744 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
9745   \diagbox@setlinecolor
9746   \Line(0,0)(\xxm,\y)
9747   \Line(0,0)(\x,\yym)%
9748 }{%
9749   {\diagbox@setlinecolor
9750    \Line(0,0)(\xxm,\y)
9751    \Line(0,0)(\x,\yym)}%
9752 }{}{}
9753 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
9754   \diagbox@setlinecolor
9755   \Line(0,\ym)(\x,\y)
9756   \Line(\xm,0)(\x,\y)%
9757 }{%
9758   {\diagbox@setlinecolor
9759    \Line(0,\ym)(\x,\y)
9760    \Line(\xm,0)(\x,\y)}%
9761 }{}{}
9762 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
9763   \diagbox@setlinecolor
9764   \Line(0,\y)(\xxm,0)
9765   \Line(0,\y)(\x,\ym)%
9766 }{%
9767   {\diagbox@setlinecolor
9768    \Line(0,\y)(\xxm,0)
9769    \Line(0,\y)(\x,\ym)}%
9770 }{}{}

```

66 File draftwatermark-xetex-bidi.def

```

9771 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
9772 \renewcommand\SetWatermarkText[1]{%
9773   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

67 File eso-pic-xetex-bidi.def

```

9774 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
9775 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
9776   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
9777
9778 \ESO@isMEMOIR{%
9779   \renewcommand\AtTextUpperLeft[1]{%
9780     \begingroup
9781       \ifodd\c@page
9782         \if@RTLmain
9783           \ESO@tempdima=\paperwidth
9784           \advance\ESO@tempdima-\textwidth
9785           \advance\ESO@tempdima-\spinemargin
9786         \else
9787           \ESO@tempdima=\spinemargin
9788         \fi
9789       \else
9790         \if@RTLmain
9791           \ESO@tempdima=\spinemargin

```



```

9792         \else
9793         \ESO@tempdima=\paperwidth
9794         \advance\ESO@tempdima-\textwidth
9795         \advance\ESO@tempdima-\spinemargin
9796         \fi
9797     \fi
9798     \ESO@tempdimb=-\uppermargin
9799     \AtPageUpperLeft{%
9800         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
9801     }%
9802 \endgroup
9803 }
9804 }{%
9805 \renewcommand\AtTextUpperLeft[1]{%
9806     \begingroup
9807     \ESO@tempdima=1in\relax
9808     \if@twoside
9809         \ifodd\c@page
9810             \if@RTLmain
9811                 \advance\ESO@tempdima\evensidemargin
9812             \else
9813                 \advance\ESO@tempdima\oddsidemargin
9814             \fi
9815         \else
9816             \if@RTLmain
9817                 \advance\ESO@tempdima\oddsidemargin
9818             \else
9819                 \advance\ESO@tempdima\evensidemargin
9820             \fi
9821         \fi
9822     \else
9823         \advance\ESO@tempdima\oddsidemargin
9824     \fi
9825     \ESO@tempdimb=-1in\relax
9826     \advance\ESO@tempdimb-\topmargin
9827     \advance\ESO@tempdimb-\headheight
9828     \advance\ESO@tempdimb-\headsep
9829     \AtPageUpperLeft{%
9830         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
9831     }%
9832 \endgroup
9833 }
9834 }

```

68 File empheq-xetex-bidi.def

```

9835 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
9836 \MHInternalSyntaxOn
9837 \def\EQ_tag_plus_endmark:{%
9838     \iftagsleft@
9839         \gdef\maketag@@@#1{%
9840             \hfuzz\displaywidth
9841             \if@RTL\makebox[\widthof{##1}][r]{%
9842                 \hbox to \displaywidth{\m@th\normalfont##1\hss

```



```

9843         \raisebox{-\dp\EQ_mathdisplay_box
9844             -\depthof{\EQ_outerbox: {}}}{
9845             {\PotEndMark{\hss}}}}
9846     \else\makebox[\widthof{##1}][l]{%
9847         \hbox to \displaywidth{\m@th\normalfont##1\hss
9848         \raisebox{-\dp\EQ_mathdisplay_box
9849             -\depthof{\EQ_outerbox: {}}}{
9850             {\PotEndMark{\hss}}}}\fi}%
9851 \MH_else:
9852     \gdef\maketag@@@##1{%
9853         \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
9854             \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
9855             \MH_addtolength:dn \@tempdima
9856             {\g_EQ_bottomtag_depth_dim+\mintagvsep}
9857             \setlength{\@tempdimb}
9858             {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox: {}}
9859             +\depthof{\EQ_innerbox: {}}}}
9860         \MH_if_dim:w \@tempdima>\@tempdimb
9861         \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
9862             -\@tempdima+\g_EQ_bottomrow_depth_dim}
9863         \addtolength{\@tempdima}{\depthof{\EQ_innerbox: {}}}%
9864         \def\EQ_next:{\raisebox{\@tempdima}}}%
9865     \MH_else:
9866         \def\EQ_next:{
9867             \raisebox{-\dp\EQ_mathdisplay_box
9868                 -\depthof{\EQ_outerbox: {}}}%
9869         \MH_fi:\EQ_next:}}}%
9870 \MH_fi:}
9871 \def\EQ_post_process:{%
9872     \EQ_initialize:
9873     \EQ_begin_equation:
9874     \MH_if_boolean:nT {outer_mult}{
9875         \setkeys{\MT_options_name:}{
9876             firstline-afterskip=0pt,
9877             lastline-preskip=0pt,
9878             multlined-width=0pt,
9879         }
9880         \ifodd \l_EQ_alignmentmode_int
9881             \setkeys{\MT_options_name:}{multlined-pos=b}
9882         \MH_else:
9883             \setkeys{\MT_options_name:}{multlined-pos=t}
9884         \MH_fi:
9885         \g@addto@macro\EQ_complete_mathdisplay:{
9886             \begin{MTmultlined}\relax}
9887     }
9888     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
9889     \MH_if_boolean:nT {outer_mult}{
9890         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
9891     }
9892     \EQ_end_equation:
9893     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
9894     \savecounters@
9895     \EQ_typeset_tags:
9896     \edef\l_EQ_equation_fint{\number\c@equation}

```



```

9897 \restorecounters@
9898 \Hy@linkcounter=\EQ_hyperref_link_fint
9899 \settowidth\l_EQ_totalwidth_dim{%
9900   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
9901 \MH_if_boolean:nTF {outer_mult}
9902   { \def\EQ_next:{_mult} }
9903   { \def\EQ_next:{} }
9904 \@nameuse{EQ_modify_linewidth_
9905   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
9906 \EQ_typeset_display:
9907 \@nameuse{EQ_find_displaywidth_
9908   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
9909 \MH_addtolength:dn
9910   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
9911 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
9912   $\EQ_left_side:
9913   \EQ_innerbox:{%
9914     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
9915     \makebox[\l_EQ_displaywidth_dim][c]
9916       {\usebox{\EQ_mathdisplay_box}}}%
9917   \MH_or:
9918     \makebox[\l_EQ_displaywidth_dim][c]
9919       {\usebox{\EQ_mathdisplay_box}}}%
9920   \MH_or:
9921     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
9922       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9923         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9924           \kern-\@mathmargin
9925           \MH_fi:
9926         \MH_fi:
9927         \usebox{\EQ_mathdisplay_box}}}%
9928     \else\makebox[\l_EQ_displaywidth_dim][l]{%
9929       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9930         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9931           \kern-\@mathmargin
9932           \MH_fi:
9933         \MH_fi:
9934         \usebox{\EQ_mathdisplay_box}}\fi%
9935     \MH_or:
9936       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
9937         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9938           \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9939             \kern-\@mathmargin
9940             \MH_fi:
9941           \MH_fi:
9942           \usebox{\EQ_mathdisplay_box}}
9943       \else\makebox[\l_EQ_displaywidth_dim][l]{%
9944         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9945           \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9946             \kern-\@mathmargin
9947             \MH_fi:
9948           \MH_fi:
9949           \usebox{\EQ_mathdisplay_box}}\fi%
9950       \MH_fi:}%

```




```

9951 \EQ_right_side:$}%
9952 \begin{AmSequation*}
9953 \@nameuse{EQ_place_display_
9954 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
9955 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
9956 \MH_set_boolean_T:n {show_manual_tags}
9957 \MH_if_case:w \l_EQ_alignmentmode_int
9958 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
9959 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
9960 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
9961 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
9962 \MH_fi:
9963 \MH_fi:
9964 \end{AmSequation*}
9965 \global\c@equation=\l_EQ_equation_fint\relax
9966 }
9967 \AtBeginDocument{%
9968 \ifpackageloaded{fancybox}{%
9969 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
9970 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
9971 \renewcommand*\shadowbox{%
9972 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
9973 \VerbBox\EQ_shadowbox:n}
9974 {\MH_set_boolean_F:n {shadowbox_star}
9975 \VerbBox\EQ_shadowbox:n}}
9976 \def\EQ_shadowbox:n #1{%
9977 \sbox{\z@}{\fbox{#1}}%
9978 \MH_if_boolean:nTF {shadowbox_star}{
9979 \MH_setlength:dn \@tempdima{\z@}%
9980 }{
9981 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
9982 }
9983 \raisebox{\@tempdima}{%
9984 \if@RTL\makebox[\z@][r]{%
9985 \kern\shadowsize \textcolor{shadowcolor}{%
9986 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
9987 }%
9988 \else\makebox[\z@][l]{%
9989 \kern\shadowsize \textcolor{shadowcolor}{%
9990 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
9991 }\fi%
9992 \usebox\z@\textcolor{shadowcolor}{%
9993 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
9994 }{}%
9995 }
9996 \MHInternalSyntaxOff

```

69 File extarticle-xetex-bidi.def

```

9997 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
9998 \renewcommand*\l@section[2]{%
9999 \ifnum \c@tocdepth >\z@
10000 \addpenalty\@secpenalty
10001 \addvspace{1.0em \@plus\p@}%

```



```

10002 \setlength\@tempdima{1.5em}%
10003 \begingroup
10004 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10005 \parfillskip -\@pnumwidth
10006 \leavevmode \bfseries
10007 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10008 \hskip -\if@RTL\rightskip\else\leftskip\fi
10009 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10010 \endgroup
10011 \fi}
10012 \renewcommand*\l@part[2]{%
10013 \ifnum \c@tocdepth >-2\relax
10014 \addpenalty\@secpenalty
10015 \addvspace{2.25em \@plus\p@}%
10016 \begingroup
10017 \setlength\@tempdima{3em}%
10018 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10019 \parfillskip -\@pnumwidth
10020 {\leavevmode
10021 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10022 \nobreak
10023 \endgroup
10024 \fi}
10025 \def\@part[#1]#2{%
10026 \ifnum \c@secnumdepth >\m@ne
10027 \refstepcounter{part}%
10028 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
10029 \else
10030 \addcontentsline{toc}{part}{#1}%
10031 \fi
10032 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10033 \interlinepenalty \@M
10034 \normalfont
10035 \ifnum \c@secnumdepth >\m@ne
10036 \Large\bfseries \partname-\thepart
10037 \par\nobreak
10038 \fi
10039 \huge \bfseries #2%
10040 \markboth{}{}\par}%
10041 \nobreak
10042 \vskip 3ex
10043 \@afterheading}
10044 \def\@spart#1{%
10045 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10046 \interlinepenalty \@M
10047 \normalfont
10048 \huge \bfseries #1\par}%
10049 \nobreak
10050 \vskip 3ex
10051 \@afterheading}
10052 \renewenvironment{thebibliography}[1]
10053 {\section*{\refname
10054 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
10055 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

10056      \bidi@@thebibliography@font@hook%
10057      \list{\@biblabel{\@arabic\c@enumiv}}}%
10058      {\settowidth\labelwidth{\@biblabel{#1}}%
10059       \leftmargin\labelwidth
10060       \advance\leftmargin\labelsep
10061       \@openbib@code
10062       \usecounter{enumiv}}%
10063       \let\p@enumiv\@empty
10064       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10065      \sloppy\clubpenalty4000\widowpenalty4000%
10066      \sfcode`\.\@m}
10067      {\def\@noitemerr
10068       {\@latex@warning{Empty `thebibliography' environment}}}%
10069      \endlist}
10070 \renewcommand\left@footnoterule{%
10071   \kern-3\p@
10072   \hrule\@width.4\columnwidth
10073   \kern2.6\p@}
10074 \renewcommand\right@footnoterule{%
10075   \kern-3\p@
10076   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10077   \kern2.6\p@}
10078   \if@titlepage
10079   \renewcommand\maketitle{\begin{titlepage}%
10080     \let\footnotesize\small
10081     \let\right@footnoterule\relax
10082     \let\left@footnoterule\relax
10083     \let\textwidth\footnoterule\relax
10084     \let \footnote \thanks
10085     \null\vfil
10086     \vskip 60\p@
10087     \begin{center}%
10088       {\LARGE \@title \par}%
10089       \vskip 3em%
10090       {\large
10091        \lineskip .75em%
10092         \begin{tabular}[t]{c}%
10093           \@author
10094         \end{tabular}\par}%
10095         \vskip 1.5em%
10096         {\large \@date \par}%           % Set date in \large size.
10097     \end{center}\par
10098     \@thanks
10099     \vfil\null
10100   \end{titlepage}}%
10101   \setcounter{footnote}{0}%
10102   \global\let\thanks\relax
10103   \global\let\maketitle\relax
10104   \global\let\@thanks\@empty
10105   \global\let\@author\@empty
10106   \global\let\@date\@empty
10107   \global\let\@title\@empty
10108   \global\let\title\relax
10109   \global\let\author\relax

```



```

10110 \global\let\date\relax
10111 \global\let\and\relax
10112 }
10113 \else
10114 \renewcommand\maketitle{\par
10115 \begin{group}
10116 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10117 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10118 \long\def\@makefntext##1{\parindent 1em\noindent
10119 \hspace{1.8em}%
10120 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10121 \if@twocolumn
10122 \ifnum \col@number=\@ne
10123 \maketitle
10124 \else
10125 \twocolumn[\maketitle]%
10126 \fi
10127 \else
10128 \newpage
10129 \global\@topnum\z@ % Prevents figures from going at top of page.
10130 \maketitle
10131 \fi
10132 \thispagestyle{plain}\@thanks
10133 \end{group}
10134 \setcounter{footnote}{0}%
10135 \global\let\thanks\relax
10136 \global\let\maketitle\relax
10137 \global\let\@maketitle\relax
10138 \global\let\@thanks\@empty
10139 \global\let\@author\@empty
10140 \global\let\@date\@empty
10141 \global\let\@title\@empty
10142 \global\let\title\relax
10143 \global\let\author\relax
10144 \global\let\date\relax
10145 \global\let\and\relax
10146 }
10147 \def\@maketitle{%
10148 \newpage
10149 \null
10150 \vskip 2em%
10151 \begin{center}%
10152 \let \footnote \thanks
10153 {\LARGE \@title \par}%
10154 \vskip 1.5em%
10155 {\large
10156 \lineskip .5em%
10157 \begin{tabular}[t]{c}%
10158 \author
10159 \end{tabular}\par}%
10160 \vskip 1em%
10161 {\large \@date}%
10162 \end{center}%
10163 \par

```



```

10164 \vskip 1.5em}
10165 \fi
10166 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
10167 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10168 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10169 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

70 File extbook-xetex-bidi.def

```

10170 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
10171 \if@titlepage
10172 \renewcommand\maketitle{\begin{titlepage}%
10173 \let\footnotesize\small
10174 \let\right@footnoterule\relax
10175 \let\left@footnoterule\relax
10176 \let\textwidth\footnoterule\relax
10177 \let \footnote \thanks
10178 \let \LTRfootnote \LTRthanks
10179 \let \RTLfootnote \RTLthanks
10180 \null\vfil
10181 \vskip 60p@
10182 \begin{center}%
10183 {\LARGE \@title \par}%
10184 \vskip 3em%
10185 {\large
10186 \lineskip .75em%
10187 \begin{tabular}[t]{c}%
10188 \@author
10189 \end{tabular}\par}%
10190 \vskip 1.5em%
10191 {\large \@date \par}% % Set date in \large size.
10192 \end{center}\par
10193 \@thanks
10194 \vfil\null
10195 \end{titlepage}%
10196 \setcounter{footnote}{0}%
10197 \global\let\thanks\relax
10198 \global\let\LTRthanks\relax
10199 \global\let\RTLthanks\relax
10200 \global\let\maketitle\relax
10201 \global\let\@thanks\@empty
10202 \global\let\@author\@empty
10203 \global\let\@date\@empty
10204 \global\let\@title\@empty
10205 \global\let\title\relax
10206 \global\let\author\relax
10207 \global\let\date\relax
10208 \global\let\and\relax
10209 }
10210 \else
10211 \renewcommand\maketitle{\par
10212 \begingroup
10213 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10214 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```



```

10215 \long\def\@makefntext##1{\parindent 1em\noindent
10216 \hb@xt@1.8em{%
10217 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10218 \if@twocolumn
10219 \ifnum \col@number=\@ne
10220 \maketitle
10221 \else
10222 \twocolumn[\maketitle]%
10223 \fi
10224 \else
10225 \newpage
10226 \global\@topnum\z@ % Prevents figures from going at top of page.
10227 \maketitle
10228 \fi
10229 \thispagestyle{plain}\@thanks
10230 \endgroup
10231 \setcounter{footnote}{0}%
10232 \global\let\thanks\relax
10233 \global\let\LTRthanks\relax
10234 \global\let\RTLthanks\relax
10235 \global\let\maketitle\relax
10236 \global\let\@maketitle\relax
10237 \global\let\@thanks\@empty
10238 \global\let\@author\@empty
10239 \global\let\@date\@empty
10240 \global\let\@title\@empty
10241 \global\let\title\relax
10242 \global\let\author\relax
10243 \global\let\date\relax
10244 \global\let\and\relax
10245 }
10246 \def\@maketitle{%
10247 \newpage
10248 \null
10249 \vskip 2em%
10250 \begin{center}%
10251 \let \footnote \thanks
10252 \let \LTRfootnote \LTRthanks
10253 \let \RTLfootnote \RTLthanks
10254 {\LARGE \@title \par}%
10255 \vskip 1.5em%
10256 {\large
10257 \lineskip .5em%
10258 \begin{tabular}[t]{c}%
10259 \@author
10260 \end{tabular}\par}%
10261 \vskip 1em%
10262 {\large \@date}%
10263 \end{center}%
10264 \par
10265 \vskip 1.5em}
10266 \fi
10267 \renewcommand*\l@part[2]{%
10268 \ifnum \c@tocdepth >-2\relax

```



```

10269 \addpenalty{-\@highpenalty}%
10270 \addvspace{2.25em \@plus\p}%
10271 \begingroup
10272 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10273 \parfillskip -\@pnumwidth
10274 {\leavevmode
10275 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10276 \nobreak
10277 \global\@nobreaktrue
10278 \everypar{\global\@nobreakfalse\everypar{}}%
10279 \endgroup
10280 \fi}
10281 \renewcommand\theequation
10282 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10283 \renewcommand \thefigure
10284 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10285 \renewcommand \thetable
10286 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10287 \renewcommand \thechapter {\@arabic\c@chapter}
10288 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10289 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10290 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10291 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10292 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10293 \def\@makechapterhead#1{%
10294 \vspace*{50\p}%
10295 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10296 \ifnum \c@secnumdepth >\m@ne
10297 \if@mainmatter
10298 \huge\bfseries \@chapapp\space \thechapter
10299 \par\nobreak
10300 \vskip 20\p@
10301 \fi
10302 \fi
10303 \interlinepenalty\@M
10304 \Huge \bfseries #1\par\nobreak
10305 \vskip 40\p@
10306 }}
10307
10308 \def\@makeschapterhead#1{%
10309 \vspace*{50\p}%
10310 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10311 \normalfont
10312 \interlinepenalty\@M
10313 \Huge \bfseries #1\par\nobreak
10314 \vskip 40\p@
10315 }}
10316 \renewcommand\backmatter{%
10317 \if@openright
10318 \cleardoublepage
10319 \else
10320 \clearpage
10321 \fi
10322 \@mainmatterfalse}

```



```

10323 \renewenvironment{thebibliography}[1]
10324     {\chapter*{\bibname
10325         \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10326         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10327         \bidi@thebibliography@font@hook%
10328         \list{\@biblabel{\@arabic\c@enumiv}}%
10329             {\settowidth\labelwidth{\@biblabel{#1}}%
10330              \leftmargin\labelwidth
10331              \advance\leftmargin\labelsep
10332              \@openbib@code
10333              \usecounter{enumiv}}%
10334              \let\p@enumiv\@empty
10335              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10336     \sloppy
10337     \clubpenalty4000
10338     \@clubpenalty \clubpenalty
10339     \widowpenalty4000%
10340     \sfcode\.\@m}
10341 {\def\@noitemerr
10342     {\@latex@warning{Empty `thebibliography' environment}}}%
10343 \endlist}

```

71 File extletter-xetex-bidi.def

```

10344 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
10345 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
10346     \thispagestyle{firstpage}%
10347     {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
10348 \else % home address
10349     \thispagestyle{empty}%
10350     {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
10351         \fromaddress \*[2\parskip]%
10352         \@date \end{tabular}\par}%
10353 \fi
10354 \vspace{2\parskip}%
10355 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
10356 \vspace{2\parskip}%
10357 #1\par\nobreak}
10358 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
10359 \stopbreaks
10360 \noindent
10361 \ifx\@empty\fromaddress\else
10362 \hspace*{\longindentation}\fi
10363 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
10364     \ignorespaces #1\[[6\medskipamount]]%
10365     \ifx\@empty\fromsig
10366         \fromname
10367     \else \fromsig \fi\strut}%
10368 \par}
10369 \renewcommand\left@footnoterule{%
10370 \kern-\p@
10371 \hrule \@width .4\columnwidth
10372 \kern .6\p@}
10373 \renewcommand\right@footnoterule{%

```




```

10374 \kern-\p@
10375 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10376 \kern .6\p@}

```

72 File extrafootnotefeatures-xetex-bidi.def

```

10377 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote feat
10378 \newif\if@bidi@void@footins
10379 \newif\if@bidi@void@mpfootins
10380 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
10381 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
10382 \if@bidi@csundef{HLTR@LTrfootnotetext}{}%
10383 \ifHy@hyperfootnotes
10384 \let\@H@footnotetext\@footnotetext
10385 \let\@HLTR@LTrfootnotetext\LTrfootnotetext
10386 \let\@HRTL@RTLfootnotetext\RTLfootnotetext
10387 \let\@H@mpfootnotetext\mpfootnotetext
10388 \let\@HLTR@mpLTrfootnotetext\mpLTrfootnotetext
10389 \let\@HRTL@mpRTLfootnotetext\mpRTLfootnotetext
10390 \fi
10391 }%
10392 }%
10393 }
10394 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
10395 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
10396 \if@bidi@csundef{HLTR@LTrfootnotetext}{}%
10397 \ifHy@hyperfootnotes
10398 \let\H@footnotetext\@footnotetext
10399 \let\@footnotetext\@H@footnotetext
10400 \let\HLTR@LTrfootnotetext\LTrfootnotetext
10401 \let\@LTrfootnotetext\@HLTR@LTrfootnotetext
10402 \let\HRTL@RTLfootnotetext\RTLfootnotetext
10403 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
10404 \let\H@mpfootnotetext\mpfootnotetext
10405 \let\@mpfootnotetext\@H@mpfootnotetext
10406 \let\HLTR@mpLTrfootnotetext\mpLTrfootnotetext
10407 \let\@mpLTrfootnotetext\@HLTR@mpLTrfootnotetext
10408 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
10409 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
10410 \fi
10411 }%
10412 }%
10413 }
10414 \let\autofootnoterule\relax
10415 \let\rightfootnoterule\relax
10416 \let\leftfootnoterule\relax
10417 \let\textwidthfootnoterule\relax
10418 \let\LRfootnoterule\relax
10419 \def\footnoterule{\kern-3\p@
10420 \hrule \@width \columnwidth \kern 2.6\p@}
10421 \newcommand{\@preamnormalfmt}{%
10422 \parindent 1em%
10423 \noindent
10424 }

```



```

10425 \newcommand{\@normalfootfmt}[1]{%
10426   \@preamnormalfmt
10427   \footfootmark
10428   \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
10429   \@finalstrut\strutbox
10430 }
10431 \newcommand{\@normalRTLfootfmt}[1]{%
10432   \@preamnormalfmt
10433   \RTLfootfootmark
10434   \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
10435   \@finalstrut\strutbox
10436 }
10437 \newcommand{\@normalLTRfootfmt}[1]{%
10438   \@preamnormalfmt
10439   \LTRfootfootmark
10440   \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
10441   \@finalstrut\strutbox
10442 }
10443 \renewcommand{\@footnotetext}[1]{%
10444   \insert\footins{%
10445     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10446     \def\baselinestretch{\m@m@footnote@spacing}%
10447     \reset@font
10448     \foottextfont
10449     \@preamfntext
10450     \hsize\columnwidth
10451     \protected@edef\@currentlabel{%
10452       \csname p@footnote\endcsname\@thefnmark}%
10453     \color@begingroup
10454     \@normalfootfmt{#1}%
10455     \color@endgroup}%
10456     \m@mmf@prepare}
10457 \renewcommand{\@RTLfootnotetext}[1]{%
10458   \insert\footins{%
10459     \@RTLtrue%
10460     \def\baselinestretch{\m@m@footnote@spacing}%
10461     \reset@font
10462     \RTLfoottextfont
10463     \@preamfntext
10464     \hsize\columnwidth
10465     \protected@edef\@currentlabel{%
10466       \csname p@footnote\endcsname\@thefnmark}%
10467     \color@begingroup
10468     \@normalRTLfootfmt{#1}%
10469     \color@endgroup}%
10470     \m@mmf@prepare}
10471 \renewcommand{\@LTRfootnotetext}[1]{%
10472   \insert\footins{%
10473     \@RTLfalse%
10474     \def\baselinestretch{\m@m@footnote@spacing}%
10475     \reset@font
10476     \LTRfoottextfont
10477     \@preamfntext
10478     \hsize\columnwidth

```



```

10479 \protected@edef\@currentlabel{%
10480 \csname p@footnote\endcsname\@thefnmark}%
10481 \color@begingroup
10482 \normalLTRfootfmt{#1}%
10483 \color@endgroup}%
10484 \m@m@prepare}
10485 \renewcommand{\@mpfootnotetext}[1]{%
10486 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10487 \unvbox\@mpfootins
10488 \def\baselinestretch{\m@m@footnote@spacing}%
10489 \reset@font%
10490 \foottextfont \hsize\columnwidth \@parboxrestore
10491 \protected@edef\@currentlabel{%
10492 \csname p@mpfootnote\endcsname\@thefnmark}%
10493 \color@begingroup
10494 \normalfootfmt{#1}%
10495 \color@endgroup}}
10496 \renewcommand{\@mpLTRfootnotetext}[1]{%
10497 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10498 \unvbox\@mpfootins
10499 \def\baselinestretch{\m@m@footnote@spacing}%
10500 \reset@font%
10501 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
10502 \protected@edef\@currentlabel{%
10503 \csname p@mpfootnote\endcsname\@thefnmark}%
10504 \color@begingroup
10505 \normalLTRfootfmt{#1}%
10506 \color@endgroup}}
10507 \renewcommand{\@mpRTLfootnotetext}[1]{%
10508 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10509 \unvbox\@mpfootins
10510 \def\baselinestretch{\m@m@footnote@spacing}%
10511 \reset@font%
10512 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
10513 \protected@edef\@currentlabel{%
10514 \csname p@mpfootnote\endcsname\@thefnmark}%
10515 \color@begingroup
10516 \normalRTLfootfmt{#1}%
10517 \color@endgroup}}
10518 \let\m@mold@footnotetext\@footnotetext
10519 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
10520 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
10521 \let\m@mold@mpfootnotetext\@mpfootnotetext
10522 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
10523 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
10524 \bidi@ensure@newcommand{\normalfootnotes}{%
10525 \bidi@before@Hy@hyperfootnotes
10526 \let\@footnotetext\m@mold@footnotetext
10527 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
10528 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10529 \let\@mpfootnotetext\m@mold@mpfootnotetext
10530 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
10531 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10532 \bidi@after@Hy@hyperfootnotes

```



```

10533 \@ifstar\bidistar@footmarkwidth\bidinormal@footmarkwidth
10534 }
10535 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{}
10536 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
10537 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
10538 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
10539   \def\m@m@singlespace{#1}%
10540   \def\m@m@footnote@spacing{#1}%
10541   \def\m@m@float@spacing{#1} %
10542 }
10543 \setSingleSpace{1}
10544 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
10545 \bidi@ensure@newcommand*{\m@m@mf@prepare}{%
10546   \kern-\multiplefootnotemarker
10547   \kern\multiplefootnotemarker\relax}
10548 \bidi@ensure@newlength{\footmarkwidth}
10549 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
10550 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
10551 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
10552 \bidi@ensure@newcommand{\footfootmark}{%
10553   \ifdim\footmarkwidth < \z@
10554     \llap{\hb@xt@ -\footmarkwidth{%
10555       \hss\normalfont\footscript{\@thefnmark}}}%
10556     \hspace*{-\footmarkwidth}}%
10557   \else
10558     \ifdim\footmarkwidth = \z@
10559       {\normalfont\footscript{\@thefnmark}}%
10560     \else
10561       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
10562     \fi
10563   \fi}
10564 \bidi@ensure@newcommand{\LTRfootfootmark}{%
10565   \ifdim\footmarkwidth < \z@
10566     \llap{\hb@xt@ -\footmarkwidth{%
10567       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
10568     \hspace*{-\footmarkwidth}}%
10569   \else
10570     \ifdim\footmarkwidth = \z@
10571       {\normalfont\LTRfootscript{\@thefnmark}}%
10572     \else
10573       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
10574     \fi
10575   \fi}
10576 \bidi@ensure@newcommand{\RTLfootfootmark}{%
10577   \ifdim\footmarkwidth < \z@
10578     \llap{\hb@xt@ -\footmarkwidth{%
10579       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
10580     \hspace*{-\footmarkwidth}}%
10581   \else
10582     \ifdim\footmarkwidth = \z@
10583       {\normalfont\RTLfootscript{\@thefnmark}}%
10584     \else
10585       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
10586     \fi

```



```

10587 \fi}
10588 \footmarkstyle{\textsuperscript{#1}}
10589 \LTRfootmarkstyle{\textsuperscript{#1}}
10590 \RTLfootmarkstyle{\textsuperscript{#1}}
10591 \newcommand*{\bidi@normal@footmarkwidth}{%
10592 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
10593 }
10594 \newcommand*{\bidi@star@footmarkwidth}{%
10595 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
10596 }
10597 \bidi@normal@footmarkwidth
10598 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
10599 \bidi@ensure@newcommand*{\extrafeetins}{%
10600 \setbox\@outputbox \vbox{%
10601 \boxmaxdepth \@maxdepth
10602 \unvbox\@outputbox
10603 \ifvoid\footinsv@r
10604 \ifvoid\footinsv@l
10605 \else
10606 \@footstartv@l
10607 \@LTRfootgroupv@l
10608 \fi
10609 \else
10610 \@footstartv@r
10611 \@footgroupv@r
10612 \ifvoid\footinsv@l
10613 \else
10614 \@@footstart@v@l
10615 \@LTRfootgroupv@l
10616 \fi
10617 \fi
10618 \ifvoid\@bidi@copyins@
10619 \else
10620 \vskip \skip\@bidi@copyins@
10621 \color@begingroup
10622 \normalcolor
10623 \unvbox \@bidi@copyins@
10624 \color@endgroup
10625 \fi
10626 \extrafeetinshook}}
10627 \bidi@ensure@newcommand{\extrafeetinshook}{%
10628 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
10629 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
10630 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
10631 \bidi@ensure@newlength{\footinsdim}
10632 \setlength{\footinsdim}{8in} % standard for \dimen\footins
10633 \bidi@ensure@newcommand{\@preamfntext}{%
10634 \interlinepenalty\interfootnotelinepenalty
10635 \floatingpenalty \@MM
10636 \splittopskip=\footnotesep
10637 \splitmaxdepth=\dp\strutbox
10638 \@parboxrestore}
10639 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
10640 \extrafeetminihook}

```



```

10641 \bidi@ensure@newcommand{\extrafeetendmini}{%
10642   \ifvoid\@mpfootinsv@r
10643     \ifvoid\@mpfootinsv@l
10644       \else
10645         \vskip\skip\@mpfootins
10646         \normalcolor
10647         \if@bidi@void@@mpfootins
10648           \footnoterule
10649         \fi
10650         \mp@LTRfootgroupv@l
10651       \fi
10652     \else
10653       \vskip\skip\@mpfootins
10654       \normalcolor
10655       \if@bidi@void@@mpfootins
10656         \footnoterule
10657       \fi
10658       \mp@footgroupv@r
10659       \ifvoid\@mpfootinsv@l
10660       \else
10661         \vskip\skip\@mpfootins
10662         \normalcolor\mp@LTRfootgroupv@l
10663       \fi
10664     \fi
10665   \extrafeetendminihook}
10666 \bidi@ensure@newcommand{\extrafeetendminihook}{}
10667 \bidi@ensure@newcommand{\m@mndoextrafeetendmini}{\extrafeetendmini}
10668 \def\endminipage{%
10669   \par
10670   \unskip
10671   \ifvoid\@mpfootins
10672     \global\@bidi@void@@mpfootinstrue
10673   \else
10674     \global\@bidi@void@@mpfootinsfalse
10675     \vskip\skip\@mpfootins
10676     \normalcolor
10677     \footnoterule
10678     \unvbox\@mpfootins
10679   \fi
10680   \m@mndoextrafeetendmini
10681   \@minipagefalse
10682   \color@endgroup
10683   \egroup
10684   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10685 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
10686   \@namedef{footstart#1}{%
10687     \bidi@mopfn@bottom
10688     \leftskip=\z@
10689     \rightskip=\z@
10690     \parindent=\z@
10691     \vskip\skip\footins
10692     \footnoterule}}
10693 \newinsert\footinsv@r
10694 \skip\footinsv@r\bigskipamount

```



```

10695 \count\footinsv@r=1000 % no magnification
10696 \dimen\footinsv@r=\footinsdim
10697 \make@footstart{v@r}
10698 \newinsert\footinsv@l
10699 \skip\footinsv@l\bigskipamount
10700 \bidi@ensure@newcommand{\@footgroupv@r}{}
10701 \newinsert\@mpfootinsv@r
10702 \newinsert\@mpfootinsv@l
10703 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
10704 \newcount\m@m@k \newdimen\m@m@h
10705 \ifpackageloaded{multicol}{%
10706 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
10707 \hsize\textwidth
10708 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
10709 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
10710 }{%
10711 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
10712 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
10713 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
10714 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
10715 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
10716 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
10717 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
10718 \setbox2 \vsplit0 to \dimen0
10719 \unvbox2 }
10720 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
10721 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10722 \@bidi@before@Hy@hyperfootnotes
10723 \let\@footnotetext\@twocolfootnotetext
10724 \let\@LTRfootnotetext\@twocolLTRfootnotetext
10725 \let\@RTLfootnotetext\@twocolRTLfootnotetext
10726 \dimen\footinsv@r=2\footinsdim
10727 \count\footinsv@r=500\relax
10728 \make@twocol@footgroup{v@r}%
10729 \let\@footgroupv@r\@twocol@footgroupv@r
10730 \let\@mpfootnotetext\@mptwocolfootnotetext
10731 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
10732 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
10733 \@bidi@after@Hy@hyperfootnotes
10734 \make@mptwocol@footgroup{v@r}%
10735 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
10736 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10737 }
10738 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
10739 \def\baselinestretch{\m@m@footnote@spacing}%
10740 \reset@font\foottextfont
10741 \@preamfntext
10742 \protected@edef\@currentlabel{%
10743 \csname p@footnote\endcsname\@thefnmark}%
10744 \color@begingroup
10745 \@twocolfootfmt{#1}%
10746 \color@endgroup}%
10747 \m@m@f@prepare}
10748 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote

```



```

10749 \def\baselinestretch{\m@m@footnote@spacing}%
10750 \reset@font\LTRfoottextfont
10751 \@preamfntext
10752 \protected@edef\@currentlabel{%
10753   \csname p@footnote\endcsname\@thefnmark}%
10754 \color@begingroup
10755   \@twocolLTRfootfmt{#1}%
10756 \color@endgroup}%
10757 \m@mmf@prepare}
10758 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10759 \def\baselinestretch{\m@m@footnote@spacing}%
10760 \reset@font\RTLfoottextfont
10761 \@preamfntext
10762 \protected@edef\@currentlabel{%
10763   \csname p@footnote\endcsname\@thefnmark}%
10764 \color@begingroup
10765   \@twocolRTLfootfmt{#1}%
10766 \color@endgroup}%
10767 \m@mmf@prepare}
10768 \bidi@ensure@newcommand{\@preamtwofmt}{%
10769 \hspace{.45\hspace}
10770 \parindent=\z@
10771 \tolerance=5000\relax
10772 \leavevmode}
10773 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
10774   \@preamtwofmt
10775   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10776 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
10777   \@preamtwofmt
10778   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10779 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
10780   \@preamtwofmt
10781   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10782 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
10783   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10784     \unvbox\@mpfootinsv@r
10785     \def\baselinestretch{\m@m@footnote@spacing}%
10786     \reset@font\foottextfont
10787     \hspace\columnwidth \@parboxrestore
10788     \protected@edef\@currentlabel{%
10789       \csname p@mpfootnote\endcsname\@thefnmark}%
10790     \color@begingroup
10791       \@twocolfootfmt{#1}%
10792     \color@endgroup}%
10793     \m@mmf@prepare}
10794 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
10795   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10796     \unvbox\@mpfootinsv@r
10797     \def\baselinestretch{\m@m@footnote@spacing}%
10798     \reset@font\LTRfoottextfont
10799     \hspace\columnwidth \@parboxrestore
10800     \if@RTLcolumnfootnotes\beginL\fi
10801     \protected@edef\@currentlabel{%
10802       \csname p@mpfootnote\endcsname\@thefnmark}%

```




```

10803 \color@begingroup
10804 \@twocolLTRfootfmt{#1}%
10805 \color@endgroup}%
10806 \m@mmf@prepare}
10807 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
10808 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10809 \unvbox\@mpfootinsv@r
10810 \def\baselinestretch{\m@m@footnote@spacing}%
10811 \reset@font\RTLfoottextfont
10812 \hsize\columnwidth \@parboxrestore
10813 \protected@edef\@currentlabel{%
10814 \csname p@mpfootnote\endcsname\@thefnmark}%
10815 \color@begingroup
10816 \@twocolRTLfootfmt{#1}%
10817 \color@endgroup}%
10818 \m@mmf@prepare}
10819 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
10820 \@namedef{\@twocol@footgroup#1}{%
10821 \def\baselinestretch{\m@m@footnote@spacing}%
10822 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10823 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
10824 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
10825 \@namedef{\@mptwocol@footgroup#1}{%
10826 \def\baselinestretch{\m@m@footnote@spacing}%
10827 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10828 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\tw@}{\splittopskip}}}%
10829 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
10830 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10831 \@bidi@before@Hy@hyperfootnotes
10832 \let\@footnotetext\@threecolfootnotetext
10833 \let\@LTRfootnotetext\@threecolLTRfootnotetext
10834 \let\@RTLfootnotetext\@threecolRTLfootnotetext
10835 \dimen\footinsv@r=3\footinsdim
10836 \count\footinsv@r=333\relax
10837 \m@make@threecol@footgroup{v@r}%
10838 \let\@footgroupv@r\@threecol@footgroupv@r
10839 \let\@mpfootnotetext\@mpthreecolfootnotetext
10840 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
10841 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
10842 \@bidi@after@Hy@hyperfootnotes
10843 \m@make@mpthreecol@footgroup{v@r}%
10844 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
10845 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10846 }
10847 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
10848 \def\baselinestretch{\m@m@footnote@spacing}%
10849 \reset@font\foottextfont
10850 \@preamfntext
10851 \protected@edef\@currentlabel{%
10852 \csname p@footnote\endcsname\@thefnmark}%
10853 \color@begingroup
10854 \@threecolfootfmt{#1}%
10855 \color@endgroup}\m@mmf@prepare}
10856 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno

```



```

10857 \def\baselinestretch{\m@m@footnote@spacing}%
10858 \reset@font\LTRfoottextfont
10859 \@preamfntext
10860 \protected@edef\@currentlabel{%
10861   \csname p@footnote\endcsname\@thefnmark}%
10862 \color@begingroup
10863   \@threecolLTRfootfmt{#1}%
10864 \color@endgroup}\m@mmf@prepare}
10865 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10866 \def\baselinestretch{\m@m@footnote@spacing}%
10867 \reset@font\RTLfoottextfont
10868 \@preamfntext
10869 \protected@edef\@currentlabel{%
10870   \csname p@footnote\endcsname\@thefnmark}%
10871 \color@begingroup
10872   \@threecolRTLfootfmt{#1}%
10873 \color@endgroup}\m@mmf@prepare}
10874 \bidi@ensure@newcommand{\@preamthreefmt}{%
10875 \hspace{.3\hspace}
10876 \parindent=\z@
10877 \tolerance=5000\relax
10878 \leavevmode}
10879 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
10880 \@preamthreefmt
10881 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10882 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
10883 \@preamthreefmt
10884 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10885 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
10886 \@preamthreefmt
10887 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10888 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
10889 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10890 \unvbox\@mpfootinsv@r
10891 \def\baselinestretch{\m@m@footnote@spacing}%
10892 \reset@font\foottextfont
10893 \hspace\columnwidth \@parboxrestore
10894 \protected@edef\@currentlabel{%
10895   \csname p@mpfootnote\endcsname\@thefnmark}%
10896 \color@begingroup
10897   \@threecolfootfmt{#1}%
10898 \color@endgroup}\m@mmf@prepare}
10899 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
10900 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10901 \unvbox\@mpfootinsv@r
10902 \def\baselinestretch{\m@m@footnote@spacing}%
10903 \reset@font\LTRfoottextfont
10904 \hspace\columnwidth \@parboxrestore
10905 \if@RTLcolumnfootnotes\beginL\fi
10906 \protected@edef\@currentlabel{%
10907   \csname p@mpfootnote\endcsname\@thefnmark}%
10908 \color@begingroup
10909   \@threecolLTRfootfmt{#1}%
10910 \color@endgroup}\m@mmf@prepare}

```



```

10911 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
10912   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10913     \unvbox\@mpfootinsv@r
10914     \def\baselinestretch{\m@m@footnote@spacing}%
10915     \reset@font\RTLfoottextfont
10916     \hsize\columnwidth \@parboxrestore
10917     \protected@edef\@currentlabel{%
10918       \csname p@mpfootnote\endcsname\@thefnmark}%
10919     \color@begingroup
10920     \@threecolRTLfootfmt{#1}%
10921     \color@endgroup}\m@mmf@prepare}
10922 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
10923   \@namedef{\@threecol@footgroup#1}{%
10924     \def\baselinestretch{\m@m@footnote@spacing}%
10925     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10926     \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}%
10927 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
10928   \@namedef{\@mpthreecol@footgroup#1}{%
10929     \def\baselinestretch{\m@m@footnote@spacing}%
10930     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10931     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@}{\splittopskip}}}%
10932 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
10933   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10934   \@bidi@before@Hy@hyperfootnotes
10935   \let\@footnotetext\@fourcolfootnotetext
10936   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
10937   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
10938   \dimen\footinsv@r=4\footinsdim
10939   \count\footinsv@r=250\relax
10940   \m@make@fourcol@footgroup{v@r}%
10941   \let\@footgroupv@r\@fourcol@footgroupv@r
10942   \let\@mpfootnotetext\@mpfourcolfootnotetext
10943   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
10944   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
10945   \@bidi@after@Hy@hyperfootnotes
10946   \m@make@mpfourcol@footgroup{v@r}%
10947   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
10948   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10949 }
10950 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10951   \def\baselinestretch{\m@m@footnote@spacing}%
10952   \reset@font\foottextfont
10953   \@preamfntext
10954   \protected@edef\@currentlabel{%
10955     \csname p@footnote\endcsname\@thefnmark}%
10956   \color@begingroup
10957     \@fourcolfootfmt{#1}%
10958   \color@endgroup}%
10959   \m@mmf@prepare}
10960 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
10961   \def\baselinestretch{\m@m@footnote@spacing}%
10962   \reset@font\LTRfoottextfont
10963   \@preamfntext
10964   \protected@edef\@currentlabel{%

```



```

10965 \csname p@footnote\endcsname\@thefnmark}%
10966 \color@begingroup
10967 \@fourcolLTRfootfmt{#1}%
10968 \color@endgroup}%
10969 \m@mmf@prepare}
10970 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10971 \def\baselinestretch{\m@m@footnote@spacing}%
10972 \reset@font\RTLfoottextfont
10973 \@preamfntext
10974 \protected@edef\@currentlabel{%
10975 \csname p@footnote\endcsname\@thefnmark}%
10976 \color@begingroup
10977 \@fourcolRTLfootfmt{#1}%
10978 \color@endgroup}%
10979 \m@mmf@prepare}
10980 \bidi@ensure@newcommand{\@preamfourfmt}{%
10981 \hsize .25\hsize
10982 \parindent=\z@
10983 \tolerance=5000\relax
10984 \leavevmode}
10985 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
10986 \@preamfourfmt
10987 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10988 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
10989 \@preamfourfmt
10990 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10991 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
10992 \@preamfourfmt
10993 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10994 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
10995 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10996 \unvbox\@mpfootinsv@r
10997 \def\baselinestretch{\m@m@footnote@spacing}%
10998 \reset@font\foottextfont
10999 \hsize\columnwidth \@parboxrestore
11000 \protected@edef\@currentlabel{%
11001 \csname p@mpfootnote\endcsname\@thefnmark}%
11002 \color@begingroup
11003 \@fourcolfootfmt{#1}%
11004 \color@endgroup}%
11005 \m@mmf@prepare}
11006 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
11007 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11008 \unvbox\@mpfootinsv@r
11009 \def\baselinestretch{\m@m@footnote@spacing}%
11010 \reset@font\LTRfoottextfont
11011 \hsize\columnwidth \@parboxrestore
11012 \if@RTLcolumnfootnotes\beginL\fi
11013 \protected@edef\@currentlabel{%
11014 \csname p@mpfootnote\endcsname\@thefnmark}%
11015 \color@begingroup
11016 \@fourcolLTRfootfmt{#1}%
11017 \color@endgroup}%
11018 \m@mmf@prepare}

```



```

11019 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
11020   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11021     \unvbox\@mpfootinsv@r
11022     \def\baselinestretch{\m@m@footnote@spacing}%
11023     \reset@font\RTLfoottextfont
11024     \hsize\columnwidth \@parboxrestore
11025     \protected@edef\@currentlabel{%
11026       \csname p@mpfootnote\endcsname\@thefnmark}%
11027     \color@begingroup
11028       \@fourcolRTLfootfmt{#1}%
11029     \color@endgroup}%
11030   \m@m@prepare}
11031 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
11032   \@namedef{\@fourcol@footgroup#1}{%
11033     \def\baselinestretch{\m@m@footnote@spacing}%
11034     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11035     \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
11036 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
11037   \@namedef{\@mpfourcol@footgroup#1}{%
11038     \def\baselinestretch{\m@m@footnote@spacing}%
11039     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11040     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}%
11041 \bidi@ensure@newcommand{\@fivecolumnfootnotes}{%
11042   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
11043   \@bidi@before@Hy@hyperfootnotes
11044   \let\@footnotetext\@fivecolfootnotetext
11045   \let\@LTRfootnotetext\@fivecolLTRfootnotetext
11046   \let\@RTLfootnotetext\@fivecolRTLfootnotetext
11047   \dimen\footinsv@r=5\footinsdim
11048   \count\footinsv@r=200\relax
11049   \m@make@fivecol@footgroup{v@r}%
11050   \let\@footgroupv@r\@fivecol@footgroupv@r
11051   \let\@mpfootnotetext\@mpfivecolfootnotetext
11052   \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
11053   \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
11054   \@bidi@after@Hy@hyperfootnotes
11055   \m@make@mpfivecol@footgroup{v@r}%
11056   \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
11057   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11058 }
11059 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
11060   \def\baselinestretch{\m@m@footnote@spacing}%
11061   \reset@font\foottextfont
11062   \@preamfntext
11063   \protected@edef\@currentlabel{%
11064     \csname p@footnote\endcsname\@thefnmark}%
11065   \color@begingroup
11066     \@fivecolfootfmt{#1}%
11067   \color@endgroup}%
11068   \m@m@prepare}
11069 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
11070   \def\baselinestretch{\m@m@footnote@spacing}%
11071   \reset@font\LTRfoottextfont
11072   \@preamfntext

```



```

11073 \protected@edef\@currentlabel{%
11074   \csname p@footnote\endcsname\@thefnmark}%
11075 \color@begingroup
11076   \@fivecolLTRfootfmt{#1}%
11077 \color@endgroup}%
11078 \m@mmf@prepare}
11079 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11080   \def\baselinestretch{\m@m@footnote@spacing}%
11081   \reset@font\RTLfoottextfont
11082   \@preamfntext
11083   \protected@edef\@currentlabel{%
11084     \csname p@footnote\endcsname\@thefnmark}%
11085   \color@begingroup
11086     \@fivecolRTLfootfmt{#1}%
11087   \color@endgroup}%
11088   \m@mmf@prepare}
11089 \bidi@ensure@newcommand{\@preamfivefmt}{%
11090   \hsize .2\hsize
11091   \parindent=\z@
11092   \tolerance=5000\relax
11093   \leavevmode}
11094 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
11095   \@preamfivefmt
11096   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11097 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
11098   \@preamfivefmt
11099   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11100 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
11101   \@preamfivefmt
11102   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11103 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
11104   \global\setbox\@mpfootinsv@r\vbox{\if@RTL\footnote\@RTLtrue\else\@RTLfalse\fi%
11105     \unvbox\@mpfootinsv@r
11106     \def\baselinestretch{\m@m@footnote@spacing}%
11107     \reset@font\foottextfont
11108     \hsize\columnwidth \@parboxrestore
11109     \protected@edef\@currentlabel{%
11110       \csname p@mpfootnote\endcsname\@thefnmark}%
11111     \color@begingroup
11112       \@fivecolfootfmt{#1}%
11113     \color@endgroup}%
11114     \m@mmf@prepare}
11115 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
11116   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11117     \unvbox\@mpfootinsv@r
11118     \def\baselinestretch{\m@m@footnote@spacing}%
11119     \reset@font\LTRfoottextfont
11120     \hsize\columnwidth \@parboxrestore
11121     \if@RTLcolumnfootnotes\beginL\fi
11122     \protected@edef\@currentlabel{%
11123       \csname p@mpfootnote\endcsname\@thefnmark}%
11124     \color@begingroup
11125       \@fivecolLTRfootfmt{#1}%
11126     \color@endgroup}%

```



```

11127 \m@mmf@prepare}
11128 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
11129 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11130 \unvbox\@mpfootinsv@r
11131 \def\baselinestretch{\m@m@footnote@spacing}%
11132 \reset@font\RTLfoottextfont
11133 \hsize\columnwidth \@parboxrestore
11134 \protected@edef\@currentlabel{%
11135 \csname p@mpfootnote\endcsname\@thefnmark}%
11136 \color@begingroup
11137 \@fivecolRTLfootfmt{#1}%
11138 \color@endgroup}%
11139 \m@mmf@prepare}
11140 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
11141 \@namedef{\@fivecol@footgroup#1}{%
11142 \def\baselinestretch{\m@m@footnote@spacing}%
11143 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11144 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
11145 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
11146 \@namedef{\@mpfivecol@footgroup#1}{%
11147 \def\baselinestretch{\m@m@footnote@spacing}%
11148 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11149 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{5}{\splittopskip}}}%
11150 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
11151 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
11152 \@bidi@before@Hy@hyperfootnotes
11153 \let\@footnotetext\@sixcolfootnotetext
11154 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
11155 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
11156 \dimen\footinsv@r=6\footinsdim
11157 \count\footinsv@r=166\relax
11158 \m@make@sixcol@footgroup{v@r}%
11159 \let\@footgroupv@r\@sixcol@footgroupv@r
11160 \let\@mpfootnotetext\@mpsixcolfootnotetext
11161 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
11162 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
11163 \@bidi@after@Hy@hyperfootnotes
11164 \m@make@mpsixcol@footgroup{v@r}%
11165 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
11166 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11167 }
11168 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
11169 \def\baselinestretch{\m@m@footnote@spacing}%
11170 \reset@font\foottextfont
11171 \@preamfntext
11172 \protected@edef\@currentlabel{%
11173 \csname p@footnote\endcsname\@thefnmark}%
11174 \color@begingroup
11175 \@sixcolfootfmt{#1}%
11176 \color@endgroup}%
11177 \m@mmf@prepare}
11178 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
11179 \def\baselinestretch{\m@m@footnote@spacing}%
11180 \reset@font\LTRfoottextfont

```




```

11181 \@preamfntext
11182 \protected@edef\@currentlabel{%
11183   \csname p@footnote\endcsname\@thefnmark}%
11184 \color@begingroup
11185   \@sixcolLTRfootfmt{#1}%
11186 \color@endgroup}%
11187 \m@mmf@prepare}
11188 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11189   \def\baselinestretch{\m@m@footnote@spacing}%
11190   \reset@font\RTLfoottextfont
11191   \@preamfntext
11192   \protected@edef\@currentlabel{%
11193     \csname p@footnote\endcsname\@thefnmark}%
11194   \color@begingroup
11195     \@sixcolRTLfootfmt{#1}%
11196   \color@endgroup}%
11197   \m@mmf@prepare}
11198 \bidi@ensure@newcommand{\@preamsixfmt}{%
11199   \hspace{.16\hsize}
11200   \parindent=\z@
11201   \tolerance=5000\relax
11202   \leavevmode}
11203 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
11204   \@preamsixfmt
11205   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11206 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
11207   \@preamsixfmt
11208   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11209 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
11210   \@preamsixfmt
11211   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11212 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
11213   \global\setbox\@mpfootinsv@r\vbox{%
11214     \unvbox\@mpfootinsv@r
11215     \def\baselinestretch{\m@m@footnote@spacing}%
11216     \reset@font\foottextfont
11217     \hspace\columnwidth \@parboxrestore
11218     \protected@edef\@currentlabel{%
11219       \csname p@mpfootnote\endcsname\@thefnmark}%
11220     \color@begingroup
11221       \@sixcolfootfmt{#1}%
11222     \color@endgroup}%
11223     \m@mmf@prepare}
11224 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
11225   \global\setbox\@mpfootinsv@r\vbox{%
11226     \unvbox\@mpfootinsv@r
11227     \def\baselinestretch{\m@m@footnote@spacing}%
11228     \reset@font\LTRfoottextfont
11229     \hspace\columnwidth \@parboxrestore
11230     \if@RTLcolumnfootnotes\beginL\fi
11231     \protected@edef\@currentlabel{%
11232       \csname p@mpfootnote\endcsname\@thefnmark}%
11233     \color@begingroup
11234     \@sixcolLTRfootfmt{#1}%

```




```

11235 \color@endgroup}%
11236 \m@mmf@prepare}
11237 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
11238 \global\setbox\@mpfootinsv@r\vbox{%
11239 \unvbox\@mpfootinsv@r
11240 \def\baselinestretch{\m@m@footnote@spacing}%
11241 \reset@font\RTLfoottextfont
11242 \hsize\columnwidth \@parboxrestore
11243 \protected@edef\@currentlabel{%
11244 \csname p@mpfootnote\endcsname\@thefnmark}%
11245 \color@begingroup
11246 \@sixcolRTLfootfmt{#1}%
11247 \color@endgroup}%
11248 \m@mmf@prepare}
11249 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
11250 \namedef{\@sixcol@footgroup#1}{%
11251 \def\baselinestretch{\m@m@footnote@spacing}%
11252 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11253 \m@mrigidbalance{\nameuse{footins#1}}{6}{\splittopskip}}}%
11254 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
11255 \namedef{\@mpsixcol@footgroup#1}{%
11256 \def\baselinestretch{\m@m@footnote@spacing}%
11257 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11258 \m@mrigidbalance{\nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
11259 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
11260 \namedef{foottextfontv@r}{\foottextfont}% \[RS]
11261 \@bidi@before@Hy@hyperfootnotes
11262 \let\@footnotetext\@sevendcolfootnotetext
11263 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
11264 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
11265 \dimen\footinsv@r=7\footinsdim
11266 \count\footinsv@r=142\relax
11267 \m@make@sevendcol@footgroup{v@r}%
11268 \let\@footgroupv@r\@sevendcol@footgroupv@r
11269 \let\@mpfootnotetext\@mpsevendcolfootnotetext
11270 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
11271 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
11272 \@bidi@after@Hy@hyperfootnotes
11273 \m@make@mpsevendcol@footgroup{v@r}%
11274 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
11275 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11276 }
11277 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11278 \def\baselinestretch{\m@m@footnote@spacing}%
11279 \reset@font\foottextfont
11280 \@preamfntext
11281 \protected@edef\@currentlabel{%
11282 \csname p@footnote\endcsname\@thefnmark}%
11283 \color@begingroup
11284 \@sevendcolfootfmt{#1}%
11285 \color@endgroup}%
11286 \m@mmf@prepare}
11287 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
11288 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11289 \reset@font\LTRfoottextfont
11290 \@preamfntext
11291 \protected@edef\@currentlabel{%
11292   \csname p@footnote\endcsname\@thefnmark}%
11293 \color@begingroup
11294   \@sevendcolLTRfootfmt{#1}%
11295 \color@endgroup}%
11296 \m@mmf@prepare}
11297 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11298 \def\baselinestretch{\m@m@footnote@spacing}%
11299 \reset@font\RTLfoottextfont
11300 \@preamfntext
11301 \protected@edef\@currentlabel{%
11302   \csname p@footnote\endcsname\@thefnmark}%
11303 \color@begingroup
11304   \@sevendcolRTLfootfmt{#1}%
11305 \color@endgroup}%
11306 \m@mmf@prepare}
11307 \bidi@ensure@newcommand{\@preamsevenfmt}{%
11308 \hsize .142\hsize
11309 \parindent=\z@
11310 \tolerance=5000\relax
11311 \leavevmode}
11312 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
11313 \@preamsevenfmt
11314 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11315 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
11316 \@preamsevenfmt
11317 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11318 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
11319 \@preamsevenfmt
11320 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11321 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
11322 \global\setbox\@mpfootinsv@r\vbox{%
11323   \unvbox\@mpfootinsv@r
11324   \def\baselinestretch{\m@m@footnote@spacing}%
11325   \reset@font\foottextfont
11326   \hsize\columnwidth \@parboxrestore
11327   \protected@edef\@currentlabel{%
11328     \csname p@mpfootnote\endcsname\@thefnmark}%
11329   \color@begingroup
11330     \@sevendcolfootfmt{#1}%
11331   \color@endgroup}%
11332   \m@mmf@prepare}
11333 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
11334 \global\setbox\@mpfootinsv@r\vbox{%
11335   \unvbox\@mpfootinsv@r
11336   \def\baselinestretch{\m@m@footnote@spacing}%
11337   \reset@font\LTRfoottextfont
11338   \hsize\columnwidth \@parboxrestore
11339   \if@RTLcolumnfootnotes\beginLfi
11340   \protected@edef\@currentlabel{%
11341     \csname p@mpfootnote\endcsname\@thefnmark}%
11342   \color@begingroup

```



```

11343 \sevenscolLTRfootfmt{#1}%
11344 \color@endgroup}%
11345 \m@mmf@prepare}
11346 \bidi@ensure@newcommand{\mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
11347 \global\setbox\@mpfootinsv@r\vbox{%
11348 \unvbox\@mpfootinsv@r
11349 \def\baselinestretch{\m@m@footnote@spacing}%
11350 \reset@font\RTLfoottextfont
11351 \hsize\columnwidth \@parboxrestore
11352 \protected@edef\@currentlabel{%
11353 \csname p@mpfootnote\endcsname\@thefnmark}%
11354 \color@begingroup
11355 \sevenscolRTLfootfmt{#1}%
11356 \color@endgroup}%
11357 \m@mmf@prepare}
11358 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
11359 \@namedef{\sevenscol@footgroup#1}{%
11360 \def\baselinestretch{\m@m@footnote@spacing}%
11361 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11362 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
11363 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
11364 \@namedef{\mpsevenscol@footgroup#1}{%
11365 \def\baselinestretch{\m@m@footnote@spacing}%
11366 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11367 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}}%
11368 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
11369 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11370 \@bidi@before@Hy@hyperfootnotes
11371 \let\@footnotetext\@eightcolfootnotetext
11372 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
11373 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
11374 \dimen\footinsv@r=8\footinsdim
11375 \count\footinsv@r=125\relax
11376 \m@make@eightcol@footgroup{v@r}%
11377 \let\@footgroupv@r\@eightcol@footgroupv@r
11378 \let\@mpfootnotetext\@mpeightcolfootnotetext
11379 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
11380 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
11381 \@bidi@after@Hy@hyperfootnotes
11382 \m@make@mpeightcol@footgroup{v@r}%
11383 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
11384 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11385 }
11386 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11387 \def\baselinestretch{\m@m@footnote@spacing}%
11388 \reset@font\foottextfont
11389 \@preamfntext
11390 \protected@edef\@currentlabel{%
11391 \csname p@footnote\endcsname\@thefnmark}%
11392 \color@begingroup
11393 \@eightcolfootfmt{#1}%
11394 \color@endgroup}%
11395 \m@mmf@prepare}
11396 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno

```



```

11397 \def\baselinestretch{\m@m@footnote@spacing}%
11398 \reset@font\LTRfoottextfont
11399 \@preamfntext
11400 \protected@edef\@currentlabel{%
11401   \csname p@footnote\endcsname\@thefnmark}%
11402 \color@begingroup
11403   \@eightcolLTRfootfmt{#1}%
11404 \color@endgroup}%
11405 \m@m@mmf@prepare}
11406 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11407   \def\baselinestretch{\m@m@footnote@spacing}%
11408   \reset@font\RTLfoottextfont
11409   \@preamfntext
11410   \protected@edef\@currentlabel{%
11411     \csname p@footnote\endcsname\@thefnmark}%
11412   \color@begingroup
11413     \@eightcolRTLfootfmt{#1}%
11414   \color@endgroup}%
11415   \m@m@mmf@prepare}
11416 \bidi@ensure@newcommand{\@preameightfmt}{%
11417   \hspace{.125\hspace}
11418   \parindent=\z@
11419   \tolerance=5000\relax
11420   \leavevmode}
11421 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
11422   \@preameightfmt
11423   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11424 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
11425   \@preameightfmt
11426   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11427 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
11428   \@preameightfmt
11429   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11430 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
11431   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11432     \unvbox\@mpfootinsv@r
11433     \def\baselinestretch{\m@m@footnote@spacing}%
11434     \reset@font\foottextfont
11435     \hspace\columnwidth \@parboxrestore
11436     \protected@edef\@currentlabel{%
11437       \csname p@mpfootnote\endcsname\@thefnmark}%
11438     \color@begingroup
11439       \@eightcolfootfmt{#1}%
11440     \color@endgroup}%
11441     \m@m@mmf@prepare}
11442 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
11443   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11444     \unvbox\@mpfootinsv@r
11445     \def\baselinestretch{\m@m@footnote@spacing}%
11446     \reset@font\LTRfoottextfont
11447     \hspace\columnwidth \@parboxrestore
11448     \if@RTLcolumnfootnotes\beginL\fi
11449     \protected@edef\@currentlabel{%
11450       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

11451 \color@begingroup
11452 \@eightcolLTRfootfmt{#1}%
11453 \color@endgroup}%
11454 \m@mmf@prepare}
11455 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
11456 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11457 \unvbox\@mpfootinsv@r
11458 \def\baselinestretch{\m@m@footnote@spacing}%
11459 \reset@font\RTLfoottextfont
11460 \hsize\columnwidth \@parboxrestore
11461 \protected@edef\@currentlabel{%
11462 \csname p@mpfootnote\endcsname\@thefnmark}%
11463 \color@begingroup
11464 \@eightcolRTLfootfmt{#1}%
11465 \color@endgroup}%
11466 \m@mmf@prepare}
11467 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
11468 \@namedef{\@eightcol@footgroup#1}{%
11469 \def\baselinestretch{\m@m@footnote@spacing}%
11470 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11471 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
11472 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
11473 \@namedef{\@mpeightcol@footgroup#1}{%
11474 \def\baselinestretch{\m@m@footnote@spacing}%
11475 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11476 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{8}{\splittopskip}}}}
11477 \bidi@ensure@newcommand{\@ninelcolumnfootnotes}{%
11478 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
11479 \@bidi@before@Hy@hyperfootnotes
11480 \let\@footnotetext\@ninelcolfootnotetext
11481 \let\@LTRfootnotetext\@ninelcolLTRfootnotetext
11482 \let\@RTLfootnotetext\@ninelcolRTLfootnotetext
11483 \dimen\footinsv@r=9\footinsdim
11484 \count\footinsv@r=111\relax
11485 \m@make@ninelcol@footgroup{v@r}%
11486 \let\@footgroupv@r\@ninelcol@footgroupv@r
11487 \let\@mpfootnotetext\@mpninelcolfootnotetext
11488 \let\@mpLTRfootnotetext\@mpninelcolLTRfootnotetext
11489 \let\@mpRTLfootnotetext\@mpninelcolRTLfootnotetext
11490 \@bidi@after@Hy@hyperfootnotes
11491 \m@make@mpninelcol@footgroup{v@r}%
11492 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r
11493 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11494 }
11495 \bidi@ensure@newcommand{\@ninelcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
11496 \def\baselinestretch{\m@m@footnote@spacing}%
11497 \reset@font\foottextfont
11498 \@preamfntext
11499 \protected@edef\@currentlabel{%
11500 \csname p@footnote\endcsname\@thefnmark}%
11501 \color@begingroup
11502 \@ninelcolfootfmt{#1}%
11503 \color@endgroup}%
11504 \m@mmf@prepare}

```



```

11505 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\ifRTLcolumnfootnot
11506 \def\baselinestretch{\m@m@footnote@spacing}%
11507 \reset@font\LTRfoottextfont
11508 \@preamfntext
11509 \protected@edef\@currentlabel{%
11510 \csname p@footnote\endcsname\@thefnmark}%
11511 \color@begingroup
11512 \@ninecolLTRfootfmt{#1}%
11513 \color@endgroup}%
11514 \m@m@mmf@prepare}
11515 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11516 \def\baselinestretch{\m@m@footnote@spacing}%
11517 \reset@font\RTLfoottextfont
11518 \@preamfntext
11519 \protected@edef\@currentlabel{%
11520 \csname p@footnote\endcsname\@thefnmark}%
11521 \color@begingroup
11522 \@ninecolRTLfootfmt{#1}%
11523 \color@endgroup}%
11524 \m@m@mmf@prepare}
11525 \bidi@ensure@newcommand{\@preamninefmt}{%
11526 \hspace{.1\hspace}
11527 \parindent=\z@
11528 \tolerance=5000\relax
11529 \leavevmode}
11530 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
11531 \@preamninefmt
11532 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11533 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
11534 \@preamninefmt
11535 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11536 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
11537 \@preamninefmt
11538 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11539 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
11540 \global\setbox\@mpfootinsv@r\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11541 \unvbox\@mpfootinsv@r
11542 \def\baselinestretch{\m@m@footnote@spacing}%
11543 \reset@font\foottextfont
11544 \hspace\columnwidth \@parboxrestore
11545 \protected@edef\@currentlabel{%
11546 \csname p@mpfootnote\endcsname\@thefnmark}%
11547 \color@begingroup
11548 \@ninecolfootfmt{#1}%
11549 \color@endgroup}%
11550 \m@m@mmf@prepare}
11551 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
11552 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11553 \unvbox\@mpfootinsv@r
11554 \def\baselinestretch{\m@m@footnote@spacing}%
11555 \reset@font\LTRfoottextfont
11556 \hspace\columnwidth \@parboxrestore
11557 \ifRTLcolumnfootnotes\beginL\fi
11558 \protected@edef\@currentlabel{%

```



```

11559 \csname p@mpfootnote\endcsname\@thefnmark}%
11560 \color@begingroup
11561 \@ninecolLTRfootfmt{#1}%
11562 \color@endgroup}%
11563 \m@mmf@prepare}
11564 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
11565 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11566 \unvbox\@mpfootinsv@r
11567 \def\baselinestretch{\m@m@footnote@spacing}%
11568 \reset@font\RTLfoottextfont
11569 \hsize\columnwidth \@parboxrestore
11570 \protected@edef\@currentlabel{%
11571 \csname p@mpfootnote\endcsname\@thefnmark}%
11572 \color@begingroup
11573 \@ninecolRTLfootfmt{#1}%
11574 \color@endgroup}%
11575 \m@mmf@prepare}
11576 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
11577 \@namedef{\@ninecol@footgroup#1}{%
11578 \def\baselinestretch{\m@m@footnote@spacing}%
11579 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11580 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
11581 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
11582 \@namedef{\@mpninecol@footgroup#1}{%
11583 \def\baselinestretch{\m@m@footnote@spacing}%
11584 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11585 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}}
11586 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
11587 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11588 \@bidi@before@Hy@hyperfootnotes
11589 \let\@footnotetext\@tencolfootnotetext
11590 \let\@LTRfootnotetext\@tencolLTRfootnotetext
11591 \let\@RTLfootnotetext\@tencolRTLfootnotetext
11592 \dimen\footinsv@r=10\footinsdim
11593 \count\footinsv@r=100\relax
11594 \m@make@tencol@footgroup{v@r}%
11595 \let\@footgroupv@r\@tencol@footgroupv@r
11596 \let\@mpfootnotetext\@mptencolfootnotetext
11597 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
11598 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
11599 \@bidi@after@Hy@hyperfootnotes
11600 \m@make@mptencol@footgroup{v@r}%
11601 \let\mp@footgroupv@r\@mptencol@footgroupv@r
11602 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11603 }
11604 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
11605 \def\baselinestretch{\m@m@footnote@spacing}%
11606 \reset@font\foottextfont
11607 \@preamfntext
11608 \protected@edef\@currentlabel{%
11609 \csname p@footnote\endcsname\@thefnmark}%
11610 \color@begingroup
11611 \@tencolfootfmt{#1}%
11612 \color@endgroup}%

```



```

11613 \m@mmf@prepare}
11614 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
11615 \def\baselinestretch{\m@m@footnote@spacing}%
11616 \reset@font\LTRfoottextfont
11617 \@preamfntext
11618 \protected@edef\@currentlabel{%
11619 \csname p@footnote\endcsname\@thefnmark}%
11620 \color@begingroup
11621 \@tencolLTRfootfmt{#1}%
11622 \color@endgroup}%
11623 \m@mmf@prepare}
11624 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11625 \def\baselinestretch{\m@m@footnote@spacing}%
11626 \reset@font\RTLfoottextfont
11627 \@preamfntext
11628 \protected@edef\@currentlabel{%
11629 \csname p@footnote\endcsname\@thefnmark}%
11630 \color@begingroup
11631 \@tencolRTLfootfmt{#1}%
11632 \color@endgroup}%
11633 \m@mmf@prepare}
11634 \bidi@ensure@newcommand{\@preamtenfmt}{%
11635 \hspace{.1\hspace}
11636 \parindent=\z@
11637 \tolerance=5000\relax
11638 \leavevmode}
11639 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
11640 \@preamtenfmt
11641 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11642 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
11643 \@preamtenfmt
11644 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11645 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
11646 \@preamtenfmt
11647 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11648 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
11649 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11650 \unvbox\@mpfootinsv@r
11651 \def\baselinestretch{\m@m@footnote@spacing}%
11652 \reset@font\foottextfont
11653 \hspace\columnwidth \@parboxrestore
11654 \protected@edef\@currentlabel{%
11655 \csname p@mpfootnote\endcsname\@thefnmark}%
11656 \color@begingroup
11657 \@tencolfootfmt{#1}%
11658 \color@endgroup}%
11659 \m@mmf@prepare}
11660 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
11661 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11662 \unvbox\@mpfootinsv@r
11663 \def\baselinestretch{\m@m@footnote@spacing}%
11664 \reset@font\LTRfoottextfont
11665 \hspace\columnwidth \@parboxrestore
11666 \if@RTLcolumnfootnotes\beginL\fi

```




```

11667 \protected@edef\@currentlabel{%
11668 \csname p@mpfootnote\endcsname\@thefnmark}%
11669 \color@begingroup
11670 \@tencolLTRfootfmt{#1}%
11671 \color@endgroup}%
11672 \m@mmf@prepare}
11673 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
11674 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11675 \unvbox\@mpfootinsv@r
11676 \def\baselinestretch{\m@m@footnote@spacing}%
11677 \reset@font\RTLfoottextfont
11678 \hsize\columnwidth \@parboxrestore
11679 \protected@edef\@currentlabel{%
11680 \csname p@mpfootnote\endcsname\@thefnmark}%
11681 \color@begingroup
11682 \@tencolRTLfootfmt{#1}%
11683 \color@endgroup}%
11684 \m@mmf@prepare}
11685 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
11686 \@namedef{\@tencol@footgroup#1}{%
11687 \def\baselinestretch{\m@m@footnote@spacing}%
11688 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11689 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
11690 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
11691 \@namedef{\@mptencol@footgroup#1}{%
11692 \def\baselinestretch{\m@m@footnote@spacing}%
11693 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11694 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
11695 \bidi@ensure@newcommand{\m@munvxh}[1]{%
11696 \setbox0=\vbox{\unvbox#1%
11697 \global\setbox1=\lastbox}%
11698 \unhbox1
11699 \unskip
11700 \unskip
11701 \unpenalty
11702 \hskip\m@mipn@skip}
11703 \bidi@ensure@newcommand{\m@mungebox}{%
11704 \setbox0=\hbox{\m@munvxh0}%
11705 \dp0=\z@
11706 \ht0=\footfudgefactor\wd0
11707 \box0
11708 \penalty0}
11709 \newskip\m@mipn@skip
11710 \bidi@ensure@newcommand*\@m@minterparanoteglue}[1]{%
11711 {\foottextfont\global\m@mipn@skip=#1\relax}}
11712 \m@minterparanoteglue{1em plus.4em minus.4em}
11713 \@ifpackageloaded{multicol}{%
11714 \bidi@ensure@newcommand*\@m@mmakehboxofhboxes}{%
11715 \hsize\textwidth%
11716 \setbox0=\hbox{}%
11717 \loop
11718 \unpenalty
11719 \setbox2=\lastbox
11720 \ifhbox2

```



```

11721 \setbox0=\hbox{\box2\unhbox0}
11722 \repeat}
11723 }{%
11724 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
11725 \setbox0=\hbox{}%
11726 \loop
11727 \unpenalty
11728 \setbox2=\lastbox
11729 \ifhbox2
11730 \setbox0=\hbox{\box2\unhbox0}
11731 \repeat}}
11732 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
11733 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
11734 \newcommand*{\AddExtraParaSkip[1]}{%
11735 \if@bidi@csdef{footfudgefactor}{%
11736 \PackageError{bidi}{%
11737 The control sequence `string\AddExtraParaSkip`
11738 must be used before the control sequence
11739 `string\paragraphfootnotes' in the preamble%
11740 }\@ehc
11741 }{%
11742 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
11743 }%
11744 }
11745 \bidi@ensure@newcommand{\paragraphfootnotes}{%
11746 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11747 \@bidi@before@Hy@hyperfootnotes
11748 \let\@footnotetext\@parafootnotetext
11749 \let\@LTRfootnotetext\@paraLTRfootnotetext
11750 \let\@RTLfootnotetext\@paraRTLfootnotetext
11751 \dimen\footinsv@r=\footinsdim
11752 \count\footinsv@r=1000\relax
11753 \m@make@para@footgroup{v@r}%
11754 \m@make@para@footstart{v@r}%
11755 \let\@footgroupv@r\@para@footgroupv@r
11756 \let\@footstartv@r\@para@footstartv@r
11757 \dimen\footinsv@l=\footinsdim
11758 \count\footinsv@l=1000\relax
11759 \bidi@make@para@LTRfootgroup{v@l}%
11760 \m@make@para@footstart{v@l}%
11761 \bidi@make@para@footstart@{v@l}%
11762 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
11763 \let\@footstartv@l\@para@footstartv@l
11764 \let\@footstart@v@l\@para@footstart@v@l
11765 \let\@mpfootnotetext\@mpparafootnotetext
11766 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
11767 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
11768 \@bidi@after@Hy@hyperfootnotes
11769 \m@make@mppara@footgroup{v@r}%
11770 \bidi@make@mppara@LTRfootgroup{v@l}%
11771 \let\mp@footgroupv@r\@mppara@footgroupv@r
11772 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
11773 \begingroup
11774 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11775 \foottextfont
11776 \@tempdima\footnotesep
11777 \advance\@tempdima -\ht\strutbox
11778 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
11779 \advance\@tempdima.5\normalbaselineskip
11780 \bidi@xparaskip
11781 \xdef\bidi@paraskip{\the\@tempdima\relax}%
11782 \ifdim\skip\footinsv@r>\bigskipamount
11783 \else
11784 \global\advance\skip\footinsv@r\bidi@paraskip
11785 \fi
11786 \ifdim\skip\footinsv@l>\bigskipamount
11787 \else
11788 \global\advance\skip\footinsv@l\bidi@paraskip
11789 \fi
11790 \@tempdima\normalbaselineskip
11791 \multiply \@tempdima \@cclvi
11792 \@tempdimb \columnwidth
11793 \divide \@tempdimb \@cclvi
11794 \divide \@tempdima \@tempdimb
11795 \xdef\footfudgefactor{\strip@pt\@tempdima}%
11796 \endgroup
11797 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11798 }
11799 \newcommand{\normalRTLparaLTRfootnotes}{%
11800 \namedef{foottextfontv@r}{\foottextfont}%
11801 \@bidi@before@Hy@hyperfootnotes
11802 \if@RTL@footnote
11803 \let\@footnotetext\m@mold@footnotetext
11804 \else
11805 \let\@footnotetext\@parafootnotetext
11806 \fi
11807 \let\@LTRfootnotetext\@paraLTRfootnotetext
11808 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11809 \dimen\footinsv@r=\footinsdim
11810 \count\footinsv@r=1000\relax
11811 \m@make@para@footgroup{v@r}%
11812 \m@make@para@footstart{v@r}%
11813 \let\@footgroupv@r\@para@footgroupv@r
11814 \let\@footstartv@r\@para@footstartv@r
11815 \dimen\footinsv@l=\footinsdim
11816 \count\footinsv@l=1000\relax
11817 \bidi@make@para@LTRfootgroup{v@l}%
11818 \m@make@para@footstart{v@l}%
11819 \bidi@make@para@footstart@@{v@l}%
11820 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
11821 \let\@footstartv@l\@para@footstartv@l
11822 \let\@@footstart@@v@l\@para@footstart@@v@l
11823 \if@RTL@footnote
11824 \let\@mpfootnotetext\m@mold@mpfootnotetext
11825 \else
11826 \let\@mpfootnotetext\@mpparafootnotetext
11827 \fi
11828 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext

```



```

11829 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11830 \@bidi@after@Hy@hyperfootnotes
11831 \m@make@mppara@footgroup{v@r}%
11832 \bidi@make@mppara@LTRfootgroup{v@l}%
11833 \let\mp@footgroupv@r\@mppara@footgroupv@r
11834 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
11835 \begingroup
11836 \def\baselinestretch{\m@m@footnote@spacing}%
11837 \foottextfont
11838 \@tempdima\footnotesep
11839 \advance\@tempdima -\ht\strutbox
11840 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
11841 \advance\@tempdima.5\normalbaselineskip
11842 \bidi@xparaskip
11843 \xdef\bidi@paraskip{\the\@tempdima\relax}%
11844 \ifdim\skip\footinsv@r>\bigskipamount
11845 \else
11846 \global\advance\skip\footinsv@r\bidi@paraskip
11847 \fi
11848 \ifdim\skip\footinsv@l>\bigskipamount
11849 \else
11850 \global\advance\skip\footinsv@l\bidi@paraskip
11851 \fi
11852 \@tempdima\normalbaselineskip
11853 \multiply \@tempdima \cclvi
11854 \@tempdimb \columnwidth
11855 \divide \@tempdimb \cclvi
11856 \divide \@tempdima \@tempdimb
11857 \xdef\footfudgefactor{\strip@pt\@tempdima}%
11858 \endgroup
11859 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11860 }
11861 \let\bidi@xparaskip\relax
11862 \@onlypreamble\AddExtraParaSkip
11863 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
11864 \if@RTL@footnote
11865 \footinsv@r
11866 \else
11867 \footinsv@l
11868 \fi
11869 {%
11870 \let\bidi@RTL@everypar\@empty%
11871 \def\baselinestretch{\m@m@footnote@spacing}%
11872 \reset@font\foottextfont
11873 \@preamfntext
11874 \protected@edef\@currentlabel{%
11875 \csname p@footnote\endcsname\@thefnmark}%
11876 \setbox0=\vbox{\hsize=\maxdimen
11877 \color@begingroup
11878 \noindent \@parafootfmt{#1}%
11879 \color@endgroup}%
11880 \m@ungebox}\m@mmf@prepare}
11881 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
11882 \let\bidi@RTL@everypar\@empty%

```



```

11883 \def\baselinestretch{\m@m@footnote@spacing}%
11884 \reset@font\LTRfoottextfont
11885 \@preamfntext
11886 \protected@edef\@currentlabel{%
11887   \csname p@footnote\endcsname\@thefnmark}%
11888 \setbox0=\vbox{\hsize=\maxdimen
11889   \color@begingroup
11890     \noindent \@paraLTRfootfmt{#1}%
11891   \color@endgroup}%
11892 \m@mungebox}\m@mmf@prepare}
11893 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
11894   \let\bidi@RTL@everypar\@empty%
11895   \def\baselinestretch{\m@m@footnote@spacing}%
11896   \reset@font\RTLfoottextfont
11897   \@preamfntext
11898   \protected@edef\@currentlabel{%
11899     \csname p@footnote\endcsname\@thefnmark}%
11900   \setbox0=\vbox{\hsize=\maxdimen
11901     \color@begingroup
11902       \noindent \@paraRTLfootfmt{#1}%
11903     \color@endgroup}%
11904   \m@mungebox}\m@mmf@prepare}
11905 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
11906   \parindent=\z@
11907   \parfillskip=0pt \@plus 1fil
11908   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
11909 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
11910   \parindent=\z@
11911   \parfillskip=0pt \@plus 1fil
11912   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
11913 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
11914   \parindent=\z@
11915   \parfillskip=0pt \@plus 1fil
11916   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
11917 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
11918   \global\setbox
11919   \if@RTL@footnote
11920     \@mpfootinsv@r
11921   \else
11922     \@mpfootinsv@l
11923   \fi
11924   \vbox{%
11925     \let\bidi@RTL@everypar\@empty%
11926     \def\baselinestretch{\m@m@footnote@spacing}%
11927     \unvbox
11928     \if@RTL@footnote
11929       \@mpfootinsv@r
11930     \else
11931       \@mpfootinsv@l
11932     \fi
11933     \reset@font\foottextfont
11934     \hsize\columnwidth \@parboxrestore
11935     \protected@edef\@currentlabel{%
11936       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

11937 \setbox0=\vbox{\hsize=\maxdimen
11938 \color@begingroup
11939 \noindent \@parafootfmt{#1}%
11940 \color@endgroup}%
11941 \m@mungebox}\m@mmf@prepare}
11942 \bidi@ensure@newcommand{\mpparaLTRfootnotetext}[1]{%
11943 \global\setbox\@mpfootinsv@l\vbox{%
11944 \let\bidi@RTL@everypar\@empty%
11945 \def\baselinestretch{\m@m@footnote@spacing}%
11946 \unvbox\@mpfootinsv@l
11947 \reset@font\LTRfoottextfont
11948 \hsize\columnwidth \@parboxrestore
11949 \protected@edef\@currentlabel{%
11950 \csname p@mpfootnote\endcsname\@thefnmark}%
11951 \setbox0=\vbox{\hsize=\maxdimen
11952 \color@begingroup
11953 \noindent \@paraLTRfootfmt{#1}%
11954 \color@endgroup}%
11955 \m@mungebox}\m@mmf@prepare}
11956 \bidi@ensure@newcommand{\mpparaRTLfootnotetext}[1]{%
11957 \global\setbox\@mpfootinsv@r\vbox{%
11958 \let\bidi@RTL@everypar\@empty%
11959 \def\baselinestretch{\m@m@footnote@spacing}%
11960 \unvbox\@mpfootinsv@r
11961 \reset@font\RTLfoottextfont
11962 \hsize\columnwidth \@parboxrestore
11963 \protected@edef\@currentlabel{%
11964 \csname p@mpfootnote\endcsname\@thefnmark}%
11965 \setbox0=\vbox{\hsize=\maxdimen
11966 \color@begingroup
11967 \noindent \@paraRTLfootfmt{#1}%
11968 \color@endgroup}%
11969 \m@mungebox}\m@mmf@prepare}
11970 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
11971 \@namedef{\@para@footgroup#1}{%
11972 \unvbox\@nameuse{footins#1}
11973 \@RTLtrue
11974 \m@mmakehboxofhboxes
11975 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11976 \@parboxrestore%
11977 \def\baselinestretch{\m@m@footnote@spacing}%
11978 \@nameuse{foottextfont#1}%
11979 \noindent\unhbox0\par}}
11980 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
11981 \@namedef{\@para@LTRfootgroup#1}{%
11982 \unvbox\@nameuse{footins#1}
11983 \@RTLfalse
11984 \m@mmakehboxofhboxes
11985 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11986 \@parboxrestore%
11987 \def\baselinestretch{\m@m@footnote@spacing}%
11988 \@nameuse{foottextfont#1}%
11989 \noindent\unhbox0\par}}
11990 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%

```



```

11991 \@namedef{@mppara@footgroup#1}{%
11992   \unvbox\@nameuse{@mpfootins#1}
11993   \@RTLtrue
11994   \m@mmakehboxofhboxes
11995   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11996   \def\baselinestretch{\m@m@footnote@spacing}%
11997   \@nameuse{foottextfont#1}%
11998   \noindent\unhbox0\par}}
11999 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
12000 \@namedef{@mppara@LTRfootgroup#1}{%
12001   \unvbox\@nameuse{@mpfootins#1}
12002   \@RTLfalse
12003   \m@mmakehboxofhboxes
12004   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
12005   \def\baselinestretch{\m@m@footnote@spacing}%
12006   \@nameuse{foottextfont#1}%
12007   \noindent\unhbox0\par}}
12008 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
12009 \@namedef{@para@footstart#1}{%
12010   \if@bidi@void@footins
12011     \bidi@mopfn@bottom
12012   \fi
12013   \leftskip=\z@
12014   \rightskip=\z@
12015   \parindent=\z@
12016   \vskip\skip\footins
12017   \if@bidi@void@footins
12018     \footnoterule
12019   \fi}}
12020 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
12021 \@namedef{@@para@footstart@@#1}{%
12022   \leftskip=\z@
12023   \rightskip=\z@
12024   \parindent=\z@
12025   \vskip\skip\footins}}
12026 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
12027   \xdef\@freelist{\@freelist\@midlist}%
12028   \global\let\@midlist\@empty
12029   \@combinefloats}
12030 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
12031   \ifvbox\@kludgeins
12032     \@makespecialcolbox
12033   \else
12034     \setbox\@outputbox \vbox to\@colht{%
12035       \@texttop
12036       \dimen@ \dp\@outputbox
12037       \unvbox \@outputbox
12038       \vskip -\dimen@
12039       \@textbottom}%
12040   \fi}
12041 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
12042 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
12043   \boxmaxdepth\@maxdepth
12044   \@tempdima\dp\@cclv

```



```

12045 \unvbox\@cclv
12046 \vskip-\@tempdima
12047 \bidi@mopfn@bottom
12048 \vskip \skip\footins
12049 \color@begingroup
12050 \normalcolor
12051 \footnoterule
12052 \unvbox \footins
12053 \color@endgroup
12054 }%
12055 }
12056 \newcommand*{\bidi@mopfootnotebf}{%
12057 \setbox\@outputbox \vbox{%
12058 \boxmaxdepth\@maxdepth
12059 \unvbox\@outputbox
12060 \bidi@mopfn@bottom
12061 \vskip\skip\footins
12062 \color@begingroup
12063 \normalcolor
12064 \footnoterule
12065 \unvbox \footins
12066 \color@endgroup
12067 }%
12068 }
12069 \gdef\mem@makecol{%
12070 \m@m@makecolintro
12071 \ifvoid\footins
12072 \global\@bidi@void@footinstrue
12073 \setbox\@outputbox \box\@cclv
12074 \else
12075 \global\@bidi@void@footinsfalse
12076 \m@mopfootnote
12077 \fi
12078 \m@m@doextrafeet
12079 \m@m@makecolfloats
12080 \m@m@makecoltext
12081 \global \maxdepth \@maxdepth}
12082 \gdef\bidi@makecolbf{%
12083 \m@m@makecolintro
12084 \setbox\@outputbox \box\@cclv
12085 \m@m@makecolfloats
12086 \ifvoid\footins
12087 \global\@bidi@void@footinstrue
12088 \else
12089 \global\@bidi@void@footinsfalse
12090 \bidi@mopfootnotebf
12091 \fi
12092 \m@m@doextrafeet
12093 \m@m@makecoltext
12094 \global \maxdepth \@maxdepth}
12095 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
12096 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
12097 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
12098 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}

```




```

12099 \FeetAboveFloat
12100 \FeetBelowRagged

```

73 File extreport-xetex-bidi.def

```

12101 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
12102 \renewcommand*\l@part[2]{%
12103   \ifnum \c@tocdepth >-2\relax
12104     \addpenalty{-\@highpenalty}%
12105     \addvspace{2.25em \@plus\p@}%
12106     \begingroup
12107       \setlength\@tempdima{3em}%
12108       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12109       \parfillskip -\@pnumwidth
12110       {\leavevmode
12111         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12112       \nobreak
12113       \global\@nobreaktrue
12114       \everypar{\global\@nobreakfalse\everypar{}}%
12115     \endgroup
12116   \fi}
12117 \renewcommand*\l@chapter[2]{%
12118   \ifnum \c@tocdepth >\m@ne
12119     \addpenalty{-\@highpenalty}%
12120     \vskip 1.0em \@plus\p@
12121     \setlength\@tempdima{1.5em}%
12122     \begingroup
12123       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12124       \parfillskip -\@pnumwidth
12125       \leavevmode \bfseries
12126       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12127       \hskip -\if@RTL\rightskip\else\leftskip\fi
12128       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12129       \penalty\@highpenalty
12130     \endgroup
12131   \fi}
12132 \def\@makechapterhead#1{%
12133   \vspace*{50\p@}%
12134   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
12135     \ifnum \c@secnumdepth >\m@ne
12136       \huge\bfseries \@chapapp\space \thechapter
12137       \par\nobreak
12138       \vskip 20\p@
12139     \fi
12140     \interlinepenalty\@M
12141     \Huge \bfseries #1\par\nobreak
12142     \vskip 40\p@
12143   }}
12144 \def\@makeschapterhead#1{%
12145   \vspace*{50\p@}%
12146   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
12147     \normalfont
12148     \interlinepenalty\@M
12149     \Huge \bfseries #1\par\nobreak

```



```

12150 \vskip 40\p@
12151 }}
12152 \renewcommand\left@footnoterule{%
12153 \kern-3\p@
12154 \hrule\width.4\columnwidth
12155 \kern2.6\p@}
12156 \renewcommand\right@footnoterule{%
12157 \kern-3\p@
12158 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12159 \kern2.6\p@}
12160 \renewenvironment{thebibliography}[1]
12161 {\chapter*{\bibname
12162 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
12163 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12164 \bidi@thebibliography@font@hook%
12165 \list{\@biblabel{\@arabic\c@enumiv}}%
12166 {\settowidth\labelwidth{\@biblabel{#1}}%
12167 \leftmargin\labelwidth
12168 \advance\leftmargin\labelsep
12169 \@openbib@code
12170 \usecounter{enumiv}%
12171 \let\p@enumiv\@empty
12172 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
12173 \sloppy\clubpenalty4000\widowpenalty4000%
12174 \sfcode\.\@m}
12175 {\def\@noitemerr
12176 {\@latex@warning{Empty `thebibliography' environment}}}%
12177 \endlist}
12178 \if@titlepage
12179 \renewcommand\maketitle{\begin{titlepage}%
12180 \let\footnotesize\small
12181 \let\right@footnoterule\relax
12182 \let\left@footnoterule\relax
12183 \let\textwidth\footnoterule\relax
12184 \let\footnote\thanks
12185 \null\vfil
12186 \vskip 60\p@
12187 \begin{center}%
12188 {\LARGE \@title \par}%
12189 \vskip 3em%
12190 {\large
12191 \lineskip .75em%
12192 \begin{tabular}[t]{c}%
12193 \@author
12194 \end{tabular}\par}%
12195 \vskip 1.5em%
12196 {\large \@date \par}% % Set date in \large size.
12197 \end{center}\par
12198 \@thanks
12199 \vfil\null
12200 \end{titlepage}%
12201 \setcounter{footnote}{0}%
12202 \global\let\thanks\relax
12203 \global\let\maketitle\relax

```



```

12204 \global\let\thanks\@empty
12205 \global\let\author\@empty
12206 \global\let\date\@empty
12207 \global\let\title\@empty
12208 \global\let\title\relax
12209 \global\let\author\relax
12210 \global\let\date\relax
12211 \global\let\and\relax
12212 }
12213 \else
12214 \renewcommand\maketitle{\par
12215 \begin{group}
12216 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12217 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12218 \long\def\@makefntext##1{\parindent 1em\noindent
12219 \hspace{1.8em}%
12220 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
12221 \if@twocolumn
12222 \ifnum \col@number=\@one
12223 \@maketitle
12224 \else
12225 \twocolumn[\@maketitle]%
12226 \fi
12227 \else
12228 \newpage
12229 \global\@topnum\z@ % Prevents figures from going at top of page.
12230 \@maketitle
12231 \fi
12232 \thispagestyle{plain}\thanks
12233 \endgroup
12234 \setcounter{footnote}{0}%
12235 \global\let\thanks\relax
12236 \global\let\maketitle\relax
12237 \global\let\@maketitle\relax
12238 \global\let\thanks\@empty
12239 \global\let\author\@empty
12240 \global\let\date\@empty
12241 \global\let\title\@empty
12242 \global\let\title\relax
12243 \global\let\author\relax
12244 \global\let\date\relax
12245 \global\let\and\relax
12246 }
12247 \def\@maketitle{%
12248 \newpage
12249 \null
12250 \vskip 2em%
12251 \begin{center}%
12252 \let \footnote \thanks
12253 {\LARGE \@title \par}%
12254 \vskip 1.5em%
12255 {\large
12256 \lineskip .5em%
12257 \begin{tabular}[t]{c}%

```



```

12258      \@author
12259      \end{tabular}\par}%
12260      \vskip 1em%
12261      {\large \@date}%
12262      \end{center}%
12263      \par
12264      \vskip 1.5em}
12265 \fi
12266 \renewcommand\thesection      {\thechapter\@SepMark\@arabic\c@section}
12267 \renewcommand\thesubsection   {\thesection\@SepMark\@arabic\csubsection}
12268 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
12269 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\@arabic\cparagraph}
12270 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
12271 \renewcommand\theequation{%
12272   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12273 \renewcommand\thefigure{%
12274   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12275 \renewcommand\thetable{%
12276   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

74 File fancybox-xetex-bidi.def

```

12277 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
12278 \def\fancy@oval#1#2#3{%
12279   \boxmaxdepth \maxdimen
12280   \@ovttrue \ovbtrue \ovltrue \ovrtrue
12281   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
12282   \@ovxx#1\relax
12283   \advance\@ovxx-\@wholewidth
12284   \@ovyy#2\relax
12285   \advance\@ovyy-\@wholewidth
12286   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
12287   \advance\@tempdimb-2\p@
12288   \ifdim\@tempdimb>\the@cornersize\relax
12289     \@tempdimb=\the@cornersize
12290   \fi
12291   \@getcirc\@tempdimb
12292   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
12293   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
12294   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
12295   \@circlefnt
12296   \setbox\@tempboxa\hbox{\beginL%
12297     \if@ovr \ovvert32\kern -\@tempdima \fi
12298     \if@ovl \kern \@ovxx \ovvert01\kern -\@tempdima \kern -\@ovxx \fi
12299     \if@ovt \ovhorz \kern -\@ovxx \fi
12300     \if@ovb \raise \@ovyy \ovhorz \fi\endL}%
12301   \advance\@ovdx\@ovro
12302   \advance\@ovdy\@ovro
12303   \advance\@ovxx\@wholewidth
12304   \wd\@tempboxa=\@ovxx
12305   \dp\@tempboxa=\z@}

```

75 File fancyhdr-xetex-bidi.def



```

12306 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
12307
12308 \let\f@nch@everypar\everypar
12309
12310 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
12311   \f@nch@vbox\headheight{\hbox
12312     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
12313     \parbox[b]{\headwidth}{\centering#3}\hfill
12314     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
12315
12316 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
12317   \f@nch@vbox\footskip{\footrule
12318     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
12319     \parbox[t]{\headwidth}{\centering#3}\hfill
12320     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\hfill}}#5}
12321

```

76 File fix2col-xetex-bidi.def

```

12322 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
12323 \def\RTL@outputdblcol{%
12324   \if@firstcolumn
12325     \global\@firstcolumnfalse
12326     \global\setbox\@leftcolumn\copy\@outputbox
12327     \splitmaxdepth\maxdimen
12328     \vbadness\maxdimen
12329     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12330     \toks@{\expandafter{\topmark}}%
12331     \xdef\@firstcoltopmark{\the\toks@}%
12332     \toks@{\expandafter{\splitfirstmark}}%
12333     \xdef\@firstcolfirstmark{\the\toks@}%
12334     \ifx\@firstcolfirstmark\@empty
12335       \global\let\@setmarks\relax
12336     \else
12337       \gdef\@setmarks{%
12338         \let\firstmark\@firstcolfirstmark
12339         \let\topmark\@firstcoltopmark}%
12340     \fi
12341   \else \global\@firstcolumntrue
12342   \setbox\@outputbox \vbox {\hbox to\textwidth {%
12343     \hskip \columnwidth
12344     \hfil \vrule width\columnseprule \hfil
12345     \hbox to\columnwidth {%
12346       \bidi@firstcolumn@status@write%
12347       \box\@leftcolumn \hss}%
12348     \hskip -\textwidth
12349     \hbox to\columnwidth{%
12350       \bidi@lastcolumn@status@write%
12351       \box\@outputbox \hss}%
12352     \hskip \columnsep
12353     \hskip \columnwidth }}%
12354   \@combinedblfloats \@setmarks \@outputpage
12355   \begingroup \@dblfloatplacement \@startdblcolumn
12356   \@whiles\if@colmade \fi

```



```

12357 {\@outputpage \@startdblcolumn }\endgroup
12358 \fi}
12359 \def\LTR@outputdblcol{%
12360   \if@firstcolumn
12361     \global\@firstcolumnfalse
12362     \global\setbox\@leftcolumn\copy\@outputbox
12363     \splitmaxdepth\maxdimen
12364     \vbadness\maxdimen
12365     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12366     \toks@\expandafter{\topmark}%
12367     \xdef\@firstcoltopmark{\the\toks@}%
12368     \toks@\expandafter{\splitfirstmark}%
12369     \xdef\@firstcolfirstmark{\the\toks@}%
12370     \ifx\@firstcolfirstmark\@empty
12371       \global\let\@setmarks\relax
12372     \else
12373       \gdef\@setmarks{%
12374         \let\firstmark\@firstcolfirstmark
12375         \let\topmark\@firstcoltopmark}%
12376     \fi
12377   \else
12378     \global\@firstcolumntrue
12379     \setbox\@outputbox\vbox{%
12380       \hb@xt@\textwidth{%
12381         \hb@xt@\columnwidth{%
12382           \bidi@firstcolumn@status@write%
12383           \box\@leftcolumn \hss}%
12384         \hfil
12385         \vrule \@width\columnseprule
12386         \hfil
12387         \hb@xt@\columnwidth{%
12388           \bidi@lastcolumn@status@write%
12389           \box\@outputbox \hss}}}%
12390   \@combinedblfloats
12391   \@setmarks
12392   \@outputpage
12393   \begin{group}
12394     \@dblfloatplacement
12395     \@startdblcolumn
12396     \@whilesw\if@colmade \fi{\@outputpage\@startdblcolumn}%
12397   \endgroup
12398 \fi}

```

77 File fleqn-xetex-bidi.def

```

12399 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
12400 \renewcommand\[\relax
12401   \ifmmode\@badmath
12402   \else
12403     \begin{trivlist}%
12404       \@beginparpenalty\predisplaypenalty
12405       \@endparpenalty\postdisplaypenalty
12406       \item[]\leavevmode
12407       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$

```



```

12408             \hskip\mathindent\bgroup
12409             \fi}
12410 \renewcommand\]{\relax
12411             \ifmmode
12412                 \egroup $\hfil% $
12413             \endL\egroup
12414             \end{trivlist}%
12415             \else \@badmath
12416             \fi}
12417 \renewenvironment{equation}%
12418 {\@beginparpenalty\predisplaypenalty
12419  \endparpenalty\postdisplaypenalty
12420  \refstepcounter{equation}%
12421  \trivlist \item[]\leavevmode
12422   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
12423   \displaystyle
12424   \hskip\mathindent}%
12425   {$\hfil % $
12426   \displaywidth\linewidth\hbox{\@eqnnum}%
12427   \endL\egroup
12428   \endtrivlist}

```

78 File float-xetex-bidi.def

```

12429 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
12430 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
12431 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
12432 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
12433 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
12434 \expandafter\edef\csname the#1\endcsname{%
12435 \expandafter\noexpand\csname
12436 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
12437 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

79 File floatrow-xetex-bidi.def

```

12438 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
12439 \renewcommand\flnew@within[1]{\@addtoreset{\FB@captype}{#1}%
12440 \expandafter\edef\csname the\FB@captype\endcsname{%
12441 \expandafter\noexpand\csname
12442 the#1\endcsname\@SepMark\noexpand\arabic{\FB@captype}}}

```

80 File flowfram-xetex-bidi.def

```

12443 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
12444 \def\@outputdblcol{%
12445 \@nxtcol=\c@thisframe
12446 \c@curpg=\c@page
12447 \@g@tnxtcol{\@nxtcol}%
12448 \if@ff@nwp % next flow frame starts on new page
12449 \global\@firstcolumntrue
12450 \setcolbox\c@thisframe
12451 \if@specialpage
12452 \global\@specialpagefalse

```



```

12453 \nameuse{ps@\@specialstyle}\relax
12454 \fi
12455 \if@twoside
12456 \ifodd\count\z@
12457 \let\@thehead\@oddhead
12458 \let\@thefoot\@oddfoot
12459 \else
12460 \let\@thehead\@evenhead
12461 \let\@thefoot\@evenfoot
12462 \fi
12463 \else
12464 \let\@thehead\@oddhead
12465 \let\@thefoot\@oddfoot
12466 \fi
12467 \@beginndvi
12468 \@dodynamicthehead\@dodynamicthefoot
12469 \vbadness=\@M
12470 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
12471 \@combinedblfloats
12472 \@outputpage
12473 \advance\c@curpg by -\c@page\relax
12474 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
12475 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
12476 \@outputpage}
12477 \begingroup
12478 \@dblfloatplacement
12479 \@startdblcolumn
12480 \@whilsw \if@fcolmade \fi
12481 {\@outputpage \@startdblcolumn }\endgroup
12482 \@resetst@tics
12483 \@resetdyn@mics
12484 \else % still on same page, save contents of box255
12485 \global\@firstcolumnfalse
12486 \@setcolbox\c@thisframe
12487 \fi
12488 \global\c@thisframe=\@nxtcol
12489 \@setcol{\c@thisframe}\relax
12490 \global\@colht\vsiz
12491 }
12492 \def\@outputpage{%
12493 \begingroup
12494 \let\protect\noexpand
12495 \@resetactivechars
12496 \global\let\@if@newlist@if@newlist
12497 \global\@newlistfalse\@parboxrestore
12498 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
12499 \bidi@beforeoutputpageshipouthook
12500 \shipout\vbox{\set@typeset@protect
12501 \aftergroup
12502 \endgroup
12503 \aftergroup
12504 \set@typeset@protect
12505 \reset@font\normalsize
12506 \bidi@font@@outputpage

```




```

12507 \normalsfcodes
12508 \let\label\@gobble
12509 \let\index\@gobble
12510 \let\glossary\@gobble
12511 \baselineskip\z@skip
12512 \lineskip\z@skip
12513 \lineskiplimit\z@
12514 \vskip\topmargin\moveright\@themargin
12515 \vbox{%
12516   \global\let\bidibeforeheader\@firstofone
12517   \bidibeforeheaderhook
12518   \vskip\headheight
12519   \vskip\headsep
12520   \global\let\bidibeforeoutputboxoutputpage\@firstofone
12521   \bidibeforeoutputboxoutputpagehook
12522   \box\@outputbox
12523   \global\let\bidiafteroutputboxoutputpage\@firstofone
12524   \bidiafteroutputboxoutputpagehook
12525 }%
12526 \global\let\bidiafteroutputpageshipout\@firstofone
12527 \bidiafteroutputpageshipouthook
12528 \global\let\if@newlist\@if@newlist
12529 \stepcounter{page}%
12530 \setcounter{displayedframe}{0}%
12531 \let\firstmark\botmark
12532 \global\let\bidiatendoutputpage\@firstofone
12533 \bidiatendoutputpagehook
12534 }
12535
12536
12537 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
12538 \expandafter\bidicolor\ff@txtcol}}
12539
12540 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
12541 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}}
12542
12543
12544 \renewcommand*\@docolbox}[1]{%
12545 \edef\ff@frametype{%
12546 \csname @ff@frametype@romannumeral#1\endcsname}%
12547 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
12548 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
12549 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
12550 \@ff@setoffset{#1}%
12551 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
12552 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\}%
12553 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
12554 {\csname colheight\romannumeral#1\endcsname}{%
12555 \expandafter\box\csname column\romannumeral#1\endcsname}{%
12556 \csname\ff@frametype\endcsname}%
12557 }{\}%
12558 \bidiff@box{\csname colwidth\romannumeral#1\endcsname}%
12559 {\csname colheight\romannumeral#1\endcsname}{%
12560 \expandafter\box\csname column\romannumeral#1\endcsname}%

```



```

12561 }}}
12562 \ifclassloaded{book}{%
12563 \renewcommand\theequation
12564   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12565 \renewcommand \thefigure
12566   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12567 \renewcommand \thetable
12568   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12569 \renewcommand \thechapter {\@arabic\c@chapter}
12570 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12571 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12572 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
12573 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12574 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
12575 \ifclassloaded{report}{%
12576 \renewcommand\theequation
12577   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12578 \renewcommand \thefigure
12579   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12580 \renewcommand \thetable
12581   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12582 \renewcommand \thechapter {\@arabic\c@chapter}
12583 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12584 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12585 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
12586 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12587 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
12588 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
12589 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
12590 \else
12591 #2\relax
12592 \fi}

```

81 File footnote-xetex-bidi.def

```

12593 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
12594 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
12595 \newif\ifbidi@autofootnoterule
12596 \def\bidi@mpfootnoterule{\footnoterule}
12597 \newcounter{footdir@label}
12598 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
12599 \newcommand*{\footdir@write}{%
12600   \stepcounter{footdir@label}%
12601   \zref@labelbyprops{\thefootdir@label}{abspage}%
12602 }
12603 \newif\iffootdir@debug
12604 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
12605 \newtoks\footdir@toks
12606 \newcommand*{\footdir@debug}[1]{%
12607   \iffootdir@debug
12608     \typeout{[footdir] #1}%
12609   \fi
12610 }
12611 %\@ifpackagelater{zref-abspage}{2012/10/27}{%

```



```

12612 % \newcommand*{\footdir@LeftRightElse}{%
12613 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
12614 % \footdir@debug{abspage \the\value{zabspage}: else}%
12615 % \ltx@thirdofthree
12616 % }{%
12617 % \if\csname footdir@the\value{zabspage}\endcsname L%
12618 % \footdir@debug{abspage \the\value{zabspage}: left}%
12619 % \expandafter\ltx@firstofthree
12620 % \else
12621 % \footdir@debug{abspage \the\value{zabspage}: right}%
12622 % \expandafter\ltx@secondofthree
12623 % \fi
12624 % }%
12625 % }%
12626 %}{%
12627 \providecommand*{\c@zabspage}{\c@abspage}%
12628 \newcommand*{\footdir@LeftRightElse}{%
12629 \footdir@write
12630 \zifrefundefined{\thefootdir@label}{%
12631 \footdir@debug{abspage ??: else}%
12632 \ltx@thirdofthree
12633 }{%
12634 \edef\footdir@abspage{%
12635 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
12636 }%
12637 \ltx@ifundefined{footdir@\footdir@abspage}{%
12638 \footdir@debug{\footdir@abspage: else}%
12639 \ltx@thirdofthree
12640 }{%
12641 \if\csname footdir@\footdir@abspage\endcsname L%
12642 \footdir@debug{\footdir@abspage: left}%
12643 \expandafter\ltx@firstofthree
12644 \else
12645 \footdir@debug{\footdir@abspage: right}%
12646 \expandafter\ltx@secondofthree
12647 \fi
12648 }%
12649 }%
12650 }%
12651 %}
12652 \newcommand*{\footdir@fntext}[1]{%
12653 \zifrefundefined{\thefootdir@label}{%
12654 }{%
12655 \edef\footdir@name{%
12656 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
12657 }%
12658 \@ifundefined{\footdir@name}{%
12659 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
12660 }{}%
12661 }%
12662 }
12663
12664 \newcommand*{\footdir@temp}[3]{%
12665 \@ifdefinable{#1}{%

```



```

12666 \let#1#2%
12667 \renewcommand{#2}[1]{%
12668 \footdir@write
12669 \footdir@fntext{#3}%
12670 \stepcounter{footdir@label}%
12671 \footdir@fntext{#3}%
12672 \footdir@toks{##1}%
12673 \footdir@toks\expandafter{%
12674 \the\expandafter\footdir@toks
12675 \expandafter
12676 \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
12677 }%
12678 \expandafter#1\expandafter{\the\footdir@toks}%
12679 }%
12680 }%
12681 }
12682
12683 \def\right@footnoterule{%
12684 \kern-3\p@
12685 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12686 \kern2.6\p@}
12687 \def\left@footnoterule{\kern-3\p@
12688 \hrule \@width .4\columnwidth \kern 2.6\p@}
12689 \def\textwidth@footnoterule{\kern-3\p@
12690 \hrule \@width \columnwidth \kern 2.6\p@}
12691 \def\leftfootnoterule{%
12692 \bidi@autofootnoterulefalse%
12693 \def\footnoterule{\left@footnoterule}}
12694 \let\LRfootnoterule=\leftfootnoterule
12695 \def\rightfootnoterule{%
12696 \bidi@autofootnoterulefalse%
12697 \def\footnoterule{\right@footnoterule}}
12698 \def\textwidthfootnoterule{%
12699 \bidi@autofootnoterulefalse%
12700 \def\footnoterule{\textwidth@footnoterule}}
12701
12702
12703
12704 \def\auto@footnoterule{%
12705 \footdir@LeftRightElse%
12706 \left@footnoterule%
12707 \right@footnoterule%
12708 \left@footnoterule%
12709 }
12710
12711
12712
12713 \def\autofootnoterule{%
12714 \bidi@autofootnoteruletrue%
12715 \def\footnoterule{\auto@footnoterule}%
12716 }
12717
12718 \newcommand*{\SplitFootnoteRule}{%
12719 \gdef\split@prev{0}

```



```

12720 \let\pagefootnoterule\footnoterule
12721 \let\mpfootnoterule\footnoterule
12722 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
12723 \def\footnoterule{\relax
12724   \ifx \@listdepth\@mplistdepth
12725     \mpfootnoterule
12726   \else
12727     \ifnum\split@prev=\z@
12728       \pagefootnoterule
12729     \else
12730       \splitfootnoterule
12731     \fi
12732     \xdef\split@prev{\the\insertpenalties}%
12733   \fi
12734 }%
12735 }
12736
12737
12738
12739
12740 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
12741   \protected@xdef\@thefnmark{\thempfn}}%
12742   \@footnotemark\@RTLfootnotetext}}
12743 \def\@xRTLfootnote[#1]{%
12744   \begingroup
12745     \csname c@\@mpfn\endcsname #1\relax
12746     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12747   \endgroup
12748   \@footnotemark\@RTLfootnotetext}
12749 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
12750   \protected@xdef\@thefnmark{\thempfn}}%
12751   \@footnotemark\@LTRfootnotetext}}
12752 \def\@xLTRfootnote[#1]{%
12753   \begingroup
12754     \csname c@\@mpfn\endcsname #1\relax
12755     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12756   \endgroup
12757   \@footnotemark\@LTRfootnotetext}
12758
12759
12760 \def\setfootnoteRL{\@RTL@footnotetrue}
12761 \def\unsetfootnoteRL{\@RTL@footnotefalse}
12762 \def\setfootnoteLR{\@unsetfootnoteRL}
12763
12764 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
12765 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
12766 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
12767
12768 \long\def\@footnotetext#1{\insert\footins{%
12769   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12770   \reset@font%
12771   \bidi@footnotetext@font% \reset@font\footnotesize
12772   \interlinepenalty\interfootnotelinepenalty
12773   \splittopskip\footnotesep

```



```

12774 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
12775 \hsize\columnwidth \@parboxrestore
12776 \protected@edef\@currentlabel{%
12777     \csname p@footnote\endcsname\@thefnmark
12778 }%
12779 \color@begingroup
12780     \@makefnintext{%
12781         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12782 \color@endgroup}}%
12783
12784
12785 \long\def\@RTLfootnotetext#1{\insert\footins{%
12786     \@RTLtrue%
12787     \reset@font%
12788     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
12789     \interlinepenalty\interfootnotelinepenalty
12790     \splittopskip\footnotesep
12791     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
12792     \hsize\columnwidth \@parboxrestore
12793     \protected@edef\@currentlabel{%
12794         \csname p@footnote\endcsname\@thefnmark
12795     }%
12796     \color@begingroup
12797         \@makefnintext{%
12798             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12799     \color@endgroup}}%
12800
12801 \long\def\@LTRfootnotetext#1{\insert\footins{%
12802     \@RTLfalse%
12803     \reset@font%
12804     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
12805     \interlinepenalty\interfootnotelinepenalty
12806     \splittopskip\footnotesep
12807     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
12808     \hsize\columnwidth \@parboxrestore
12809     \protected@edef\@currentlabel{%
12810         \csname p@footnote\endcsname\@thefnmark
12811     }%
12812     \color@begingroup
12813         \@makefnintext{%
12814             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12815     \color@endgroup}}%
12816
12817 \AtBeginDocument{%
12818 \if@RTL@footnote
12819     \newcommand*{\bidi@footdir@footnote}{R}
12820 \else
12821     \newcommand*{\bidi@footdir@footnote}{L}
12822 \fi%
12823 }
12824
12825 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
12826 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
12827 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%

```



```

12828
12829 \long\def\@mpRTLfootnotetext#1{%
12830   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
12831   \global\setbox\@mpfootins\vbox{\@RTLtrue%
12832     \unvbox\@mpfootins
12833     \reset@font%
12834     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
12835     \hsize\columnwidth
12836     \@parboxrestore
12837     \protected@edef\@currentlabel
12838       {\csname p@mpfootnote\endcsname\@thefnmark}%
12839     \color@begingroup
12840     \makefntext{%
12841       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12842     \color@endgroup}}
12843 \long\def\@mpLTRfootnotetext#1{%
12844   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
12845   \global\setbox\@mpfootins\vbox{\@RTLfalse%
12846     \unvbox\@mpfootins
12847     \reset@font%
12848     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
12849     \hsize\columnwidth
12850     \@parboxrestore
12851     \protected@edef\@currentlabel
12852       {\csname p@mpfootnote\endcsname\@thefnmark}%
12853     \color@begingroup
12854     \makefntext{%
12855       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12856     \color@endgroup}}
12857 \long\def\@mpfootnotetext#1{%
12858   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnot
12859   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12860     \unvbox\@mpfootins
12861     \reset@font%
12862     \bidi@footnotetext@font% \reset@font\footnotesize
12863     \hsize\columnwidth
12864     \@parboxrestore
12865     \protected@edef\@currentlabel
12866       {\csname p@mpfootnote\endcsname\@thefnmark}%
12867     \color@begingroup
12868     \makefntext{%
12869       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12870     \color@endgroup}}
12871 \def\@iiiminipage#1#2[#3]#4{%
12872   \leavevmode
12873   \@pboxswfalse
12874   \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
12875   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
12876   \setlength\@tempdima{#4}%
12877   \def\@mpargs{{#1}{#2}[#3]{#4}}%
12878   \setbox\@tempboxa\vbox\bgroup
12879     \color@begingroup
12880     \hsize\@tempdima
12881     \textwidth\hsize \columnwidth\hsize

```



```

12882 \parboxrestore
12883 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
12884 \let\@footnotetext\@mpfootnotetext
12885 \let\@LTRfootnotetext\@mpLTRfootnotetext
12886 \let\@RTLfootnotetext\@mpRTLfootnotetext
12887 \let\@listdepth\@mplistdepth \@mplistdepth\z@
12888 \@minipagerestore
12889 \setminipage}
12890 \def\endminipage{%
12891 \par
12892 \unskip
12893 \ifvoid\@mpfootins\else
12894 \vskip\skip\@mpfootins
12895 \normalcolor
12896 \bidi@mpfootnoterule
12897 \unvbox\@mpfootins
12898 \fi
12899 \@minipagefalse %% added 24 May 89
12900 \color@endgroup
12901 \egroup
12902 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
12903 \def\LTRthanks#1{\footnotemark
12904 \protected@xdef\@thanks{\@thanks
12905 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
12906 }
12907 \def\LTRfootnotetext{%
12908 \ifnextchar [\@xLTRfootnotenext
12909 {\protected@xdef\@thefnmark{\thempfn}%
12910 \@LTRfootnotetext}}
12911 \def\@xLTRfootnotenext[#1]{%
12912 \begingroup
12913 \csname c@\@mpfn\endcsname #1\relax
12914 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12915 \endgroup
12916 \@LTRfootnotetext}
12917 \def\RTLthanks#1{\footnotemark
12918 \protected@xdef\@thanks{\@thanks
12919 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
12920 }
12921 \let\@thanks\@empty
12922 \def\RTLfootnotetext{%
12923 \ifnextchar [\@xRTLfootnotenext
12924 {\protected@xdef\@thefnmark{\thempfn}%
12925 \@RTLfootnotetext}}
12926 \def\@xRTLfootnotenext[#1]{%
12927 \begingroup
12928 \csname c@\@mpfn\endcsname #1\relax
12929 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12930 \endgroup
12931 \@RTLfootnotetext}
12932 \leftfootnoterule

```

82 File footnotebackref-xetex-bidi.def




```

12933 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnoteb
12934 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
12935 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
12936
12937 \renewcommand*\LTRfootnote{%
12938   \refstepcounter{BackrefHyperFootnoteCounter}%
12939   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
12940   \label{\BackrefFootnoteTag}%
12941   \@ifnextchar[\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
12942
12943 \renewcommand*\RTLfootnote{%
12944   \refstepcounter{BackrefHyperFootnoteCounter}%
12945   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
12946   \label{\BackrefFootnoteTag}%
12947   \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
12948 \newcommand\Backref@HyperLTRFootnote[1]{%
12949   \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
12950
12951 \newcommand\Backref@HyperRTLFootnote[1]{%
12952   \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
12953
12954 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
12955   \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
12956
12957 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
12958   \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
12959
12960 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
12961 \ifFootnoteBackref@numberlinked
12962 \renewcommand{\footfootmark}{%
12963   \ifdim\footmarkwidth < \z@
12964     \llap{\hb@xt@ -\footmarkwidth{%
12965       \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12966       \hspace*{-\footmarkwidth}}}%
12967   \else
12968     \ifdim\footmarkwidth = \z@
12969       {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12970     \else
12971       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
12972     \fi
12973   \fi}
12974 \renewcommand{\LTRfootfootmark}{%
12975   \ifdim\footmarkwidth < \z@
12976     \llap{\hb@xt@ -\footmarkwidth{%
12977       \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12978       \hspace*{-\footmarkwidth}}}%
12979   \else
12980     \ifdim\footmarkwidth = \z@
12981       {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12982     \else
12983       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}
12984     \fi
12985   \fi}
12986 \renewcommand{\RTLfootfootmark}{%

```



```

12987 \ifdim\footmarkwidth < \z@
12988   \llap{\hb@xt@ -\footmarkwidth{%
12989     \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12990     \hspace*{-\footmarkwidth}}}%
12991 \else
12992   \ifdim\footmarkwidth = \z@
12993     {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12994   \else
12995     \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12996   \fi
12997 \fi}
12998 \fi
12999 }

```

83 File framed-xetex-bidi.def

```

13000 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
13001 \renewcommand\TitleBarFrame[3][\begingroup
13002   \ifx\delimiter#1\delimiter
13003     \let\TF@conlab\@empty
13004   \else
13005     \def\TF@conlab{% continuation label
13006       \nointerlineskip
13007       \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
13008   \fi
13009   %\let\TF@savecolor\current@color
13010   \textcolor{TFFrameColor}{%
13011     \CustomFBox
13012     {\TF@Title{#2}}{\TF@conlab}%
13013     \fboxrule\fboxrule\fboxrule\fboxrule
13014     %{\let\current@color\TF@savecolor\set@color #3}%
13015     {\normalcolor #3}%
13016   }\endgroup
13017 }
13018 \renewenvironment{titled-frame}[1]{%
13019   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
13020     \TitleBarFrame{\textbf{#1}}}%
13021   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
13022     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
13023   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
13024     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1\ (cont)}}}%
13025   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
13026     \TitleBarFrame{\textbf{#1\ (cont)}}}%
13027   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
13028 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
13029 % could interfere with the width measurement.
13030 {\endMakeFramed}
13031 \chardef\FrameRestore=\catcode`\| % for debug
13032 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
13033 \def\fb@put@frame#1#2{\relax
13034   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
13035   | \message{===== Entering putframe =====}^J
13036   | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
13037 \ifinner

```



```

13038 \fb@putboxa#1%
13039 \fb@afterframe
13040 \else
13041 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
13042 \ifdim\dimen@<2\baselineskip % Too little room on page
13043 | \message{Page has only \the\dimen@\space room left; eject. }%
13044 \eject \fb@adjheight \fb@put@frame#1#2%
13045 \else % there's appreciable room left on the page
13046 \fb@sizeofframe#1%
13047 | \message{\string\pagetotal=\the\pagetotal,
13048 | \string\pagegoal=\the\pagegoal,
13049 | \string\pagestretch=\the\pagestretch,
13050 | \string\pageshrink=\the\pageshrink,
13051 | \string\fb@frh=\the\fb@frh. \space}
13052 | \message{^^JBox of size \the\ht\@tempboxa\space}%
13053 \begingroup % temporarily set \dimen@ to be...
13054 \advance\dimen@.8\pageshrink % maximum space available on page
13055 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
13056 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
13057 \expandafter\endgroup
13058 % expand \ifdim, then restore \dimen@ to real room left on page
13059 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
13060 | \message{fits in \the\dimen@. }%
13061 % ToDo: Change this to use vsplit anyway to capture the marks
13062 % MERGE THIS WITH THE else CLAUSE!!!
13063 \fb@putboxa#1%
13064 \fb@afterframe
13065 \else % box must be split
13066 | \message{must be split to fit in \the\dimen@. }%
13067 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
13068 \fb@sizeofframe#2%
13069 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
13070 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
13071 \kern137sp\kern-137sp\penalty-30
13072 \unvbox\@tempboxa}%
13073 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
13074 \splittopskip\the\splittopskip}%
13075 \boxmaxdepth\z@ \splittopskip\z@
13076 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
13077 % Split box here
13078 \setbox\tw@\vsplit\@tempboxa to\dimen@
13079 | \toks99\expandafter{\splittopmark}%
13080 | \toks98\expandafter{\splitbotmark}%
13081 | \message{Marks are: \the\toks99, \the\toks98. }%
13082 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
13083 | \message{Natural height of split box is \the\ht\tw@, leaving
13084 | \the\ht\@tempboxa\space remainder. }%
13085 % If the split-to size > (\vsize-\topskip), then set box to full size.
13086 \begingroup
13087 \advance\dimen@\topskip
13088 \expandafter\endgroup
13089 \ifdim\dimen@>\pagegoal
13090 | \message{Frame is big -- Use up the full column. }%
13091 \dimen@ii\pagegoal

```



```

13092      \advance\dimen@ii -\topskip
13093      \advance\dimen@ii \FrameHeightAdjust\relax
13094      \else % suspect this is implemented incorrectly:
13095          % If the split-to size > feasible room_on_page, rebox it smaller.
13096          \advance\dimen@.8\pageshrink
13097          \ifdim\ht\tw@>\dimen@
13098 |      \message{Box too tall; rebox it to \the\dimen@. }%
13099          \dimen@ii\dimen@
13100      \else % use natural size
13101          \dimen@ii\ht\tw@
13102      \fi
13103      \fi
13104      % Re-box contents to desired size \dimen@ii
13105      \advance\dimen@ii -\fb@frh
13106      \setbox\tw@\vbox to\dimen@ii \bgroup
13107      % remove simulated frame and page flexibility:
13108      \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
13109      \unvbox\tw@ \unpenalty\unpenalty
13110      \ifdim\lastkern=-137sp % whole box went to next page
13111 |      \message{box split at beginning! }%
13112          % need work here???
13113          \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
13114          \fb@adjheight
13115          \fb@put@frame#1#2% INSERTED ???
13116      \else % Got material split off at the head
13117          \egroup \fb@resto@set
13118          \ifvoid\@tempboxa % it all fit after all
13119 |      \message{box split at end! }%
13120          \setbox\@tempboxa\box\tw@
13121          \fb@putboxa#1%
13122          \fb@afterframe
13123      \else % it really did split
13124 |      \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
13125          \ifdim\wd\tw@>\z@
13126              \wd\tw@\wd\@tempboxa
13127              \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
13128          \else
13129 |      \message{Zero width means likely blank. Don't frame it (guess)}%
13130          \box\tw@
13131          \fi
13132          \hrule \@height\z@ \@width\hsize
13133          \eject
13134          \fb@adjheight
13135          \fb@put@frame\LastFrameCommand\MidFrameCommand
13136      \fi\fi\fi\fi\fi
13137  }
13138  \def\fb@putboxa#1{%
13139      \ifvoid\@tempboxa
13140          \PackageWarning{framed}{Boxa is void -- discard it. }%
13141      \else
13142 |      \message{Frame and place boxa. }%
13143 |      %{\showoutput\showbox\@tempboxa}%
13144          \centerline{#1{\hboxL{\box\@tempboxa}}}%
13145      \fi

```



```

13146 }
13147 \catcode`\|=\FrameRestore
13148 \def\FrameRestore{%
13149   \let\if@nobreak\iffalse
13150   \let\if@noskipsec\iffalse
13151   \let\-\@dischyph
13152   \let'\@acci\let`\@accii\let\=\@acciii
13153   % \message{FrameRestore:
13154   %   \@totalleftmargin=\the \@totalleftmargin,
13155   %   \rightmargin=\the\rightmargin,
13156   %   \@listdepth=\the\@listdepth. }%
13157   % Test if we are in a list (or list-like paragraph)
13158   \ifnum \ifdim \@totalleftmargin>\z@ 1\fi
13159     \ifdim \rightmargin>\z@ 1\fi
13160     \ifnum \@listdepth>\z@ 1\fi 0>\z@
13161     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
13162     %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
13163     %   \labelwidth=\the\labelwidth. }%
13164     \@setminipage % snug fit around the item
13165     % Now try to propagate changes of width from \hsize to list parameters.
13166     % This is deficient, but a more advanced way to indicate modification to text
13167     % dimensions is not (yet) provided; in particular, no separate left/right
13168     % adjustment.
13169     \advance\linewidth-\columnwidth \advance\linewidth\hsize
13170     \parshape\@ne \@totalleftmargin \linewidth
13171   \else % Not in list
13172     \linewidth=\hsize
13173     %\message{No list, set \string\linewidth=\the\hsize. }%
13174   \fi
13175   \sloppy
13176 }

```

84 File ftnright-xetex-bidi.def

```

13177 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
13178
13179 \def\prepare@bidi@copyins{%
13180   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
13181   \global\skip\@bidi@copyins@\z@
13182   \global\count\@bidi@copyins@\z@
13183   \global\dimen\@bidi@copyins@\textheight}
13184
13185 \newskip\bidi@rcol@copyinsskip
13186
13187 \def\LTR@outputdblcol{%
13188   \if@firstcolumn
13189     \global\@firstcolumnfalse
13190     \global\setbox\@leftcolumn\copy\@outputbox
13191     \global\count\footins\@m
13192     \global\skip\footins\rcol@footinsskip
13193     \global\count\@bidi@copyins@\@m
13194     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
13195     \splitmaxdepth\maxdimen
13196     \vbadness\maxdimen

```



```

13197 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13198 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13199 \toks@\expandafter{\topmark}%
13200 \xdef\@firstcoltopmark{\the\toks@}%
13201 \toks@\expandafter{\splitfirstmark}%
13202 \xdef\@firstcolfirstmark{\the\toks@}%
13203 \ifx\@firstcolfirstmark\@empty
13204 \global\let\@setmarks\relax
13205 \else
13206 \gdef\@setmarks{%
13207 \let\firstmark\@firstcolfirstmark
13208 \let\topmark\@firstcoltopmark}%
13209 \fi
13210 \else
13211 \preparefootins
13212 \prepare@bidi@copyins
13213 \global\@firstcolumntrue
13214 \setbox\@outputbox\vbox{%
13215 \hb@xt@\textwidth{%
13216 \hb@xt@\columnwidth{%
13217 \bidi@firstcolumn@status@write%
13218 \box\@leftcolumn \hss}%
13219 \hfil
13220 {\normalcolor\vrule \@width\columnseprule}%
13221 \hfil
13222 \hb@xt@\columnwidth{%
13223 \bidi@lastcolumn@status@write%
13224 \box\@outputbox \hss}}}%
13225 \@combinedblfloats
13226 \@setmarks
13227 \@outputpage
13228 \begin@group
13229 \@dblfloatplacement
13230 \@startdblcolumn
13231 \@whilesw@if@colmade \fi{\@outputpage
13232 \@startdblcolumn}%
13233 \end@group
13234 \fi}%
13235
13236 \def\RTL@outputdblcol{%
13237 \if@firstcolumn
13238 \global\@firstcolumnfalse
13239 \global\setbox\@leftcolumn\copy\@outputbox
13240 \global\count\footins\@m
13241 \global\skip\footins\rcol@footinsskip
13242 \global\count\@bidi@copyins\@m
13243 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
13244 \splitmaxdepth\maxdimen
13245 \vbadness\maxdimen
13246 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13247 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13248 \toks@\expandafter{\topmark}%
13249 \xdef\@firstcoltopmark{\the\toks@}%
13250 \toks@\expandafter{\splitfirstmark}%

```



```

13251 \xdef\@firstcolfirstmark{\the\toks@}%
13252 \ifx\@firstcolfirstmark\@empty
13253 \global\let\@setmarks\relax
13254 \else
13255 \gdef\@setmarks{%
13256 \let\firstmark\@firstcolfirstmark
13257 \let\topmark\@firstcoltopmark}%
13258 \fi
13259 \else
13260 \preparefootins
13261 \prepare@bidi@copyins
13262 \global\@firstcolumntrue
13263 \setbox\@outputbox\vbox{%
13264 \hb@xt@\textwidth{%
13265 \hskip \columnwidth
13266 \hfil
13267 {\normalcolor\vrule \@width\columnseprule}%
13268 \hfil
13269 \hb@xt@\columnwidth{%
13270 \bidi@firstcolumn@status@write%
13271 \box\@leftcolumn \hss}%
13272 \hskip -\textwidth
13273 \hb@xt@\columnwidth{%
13274 \bidi@lastcolumn@status@write%
13275 \box\@outputbox \hss}%
13276 \hskip \columnsep
13277 \hskip \columnwidth }}%
13278 \@combinedblfloats
13279 \@setmarks
13280 \@outputpage
13281 \begingroup
13282 \@dblfloatplacement
13283 \@startdblcolumn
13284 \@whilesw\if@fcolmade \fi{\@outputpage
13285 \@startdblcolumn}%
13286 \endgroup
13287 \fi}%
13288
13289 \def\@startcolumn{%
13290 \ifx\@deferlist\@empty
13291 \global\@fcolmadefalse
13292 \global\@colroom\@colht
13293 \else
13294 \ifvoid\footins\else
13295 \ftn@amount\ht\footins
13296 \advance\ftn@amount\dp\footins
13297 \advance\ftn@amount\skip\footins
13298 \fi
13299 \ifvoid\@bidi@copyins\else
13300 \bidi@copyins@amount\ht\@bidi@copyins@
13301 \advance\bidi@copyins@amount\dp\@bidi@copyins@
13302 \advance\bidi@copyins@amount\skip\@bidi@copyins@
13303 \fi
13304 \global\advance\@colht-\ftn@amount

```



```

13305 \global\advance\@colht-\bidi@copyins@amount
13306 \global\@colroom\@colht
13307 \@xstartcol
13308 \global\advance\@colht\ftn@amount
13309 \global\advance\@colroom\ftn@amount
13310 \global\advance\@colht\bidi@copyins@amount
13311 \global\advance\@colroom\bidi@copyins@amount
13312 \fi
13313 \if@fcolmade
13314 \setbox\@cclv\box\@outputbox
13315 \@makecol
13316 \else
13317 \ifvoid\footins\else
13318 \insert\footins{\unvbox\footins}\fi
13319 \ifvoid\@bidi@copyins\else
13320 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
13321 \fi}
13322
13323 \newdimen\bidi@copyins@amount
13324
13325 \def\@makecol{\if@firstcolumn
13326 \setbox\@outputbox\box\@cclv
13327 \if@twocolumn \else
13328 \ifvoid\footins \else
13329 \@latexerr{ftnright package
13330 used in one-column mode}%
13331 {The ftnright package was designed to
13332 work with LaTeX's standard^^Jtwocolumn
13333 option. It does *not* work with the
13334 multicol package.^^JSo please specify
13335 `twocolumn' in the
13336 \noexpand\documentclass command.}%
13337 \shipout\box\footins \fi
13338 \ifvoid\@bidi@copyins@ \else
13339 \@latexerr{ftnright package
13340 used in one-column mode}%
13341 {The ftnright package was designed to
13342 work with LaTeX's standard^^Jtwocolumn
13343 option. It does *not* work with the
13344 multicol package.^^JSo please specify
13345 `twocolumn' in the
13346 \noexpand\documentclass command.}%
13347 \shipout\box\@bidi@copyins@ \fi\fi
13348 \ifnum\insertpenalties>\z@
13349 \@latexerr{ftnright package
13350 scrambled footnotes}%
13351 {There is too much footnote material in
13352 the first column and ftnright^^Jis
13353 unable to cope with this.^^JYou need
13354 to reduce the amount to get a properly
13355 formatted page.}%
13356 \fi
13357 \else
13358 \ifvoid\footins

```




```

13359 \ifvoid\@bidi@copyins@
13360 \setbox\@outputbox\box\@cclv
13361 \else
13362 \setbox\@outputbox\vbox
13363 {\ifvoid\@cclv \else
13364 \unvbox\@cclv
13365 \vskip \skip\@bidi@copyins@
13366 \fi
13367 \color@begingroup
13368 \normalcolor
13369 \unvbox \@bidi@copyins@
13370 \color@endgroup}%
13371 \fi
13372 \else
13373 \setbox\@outputbox\vbox
13374 {\ifvoid\@cclv \else
13375 \unvbox\@cclv
13376 \vskip\skip\footins\fi
13377 \color@begingroup
13378 \normalcolor
13379 \footnoterule\unvbox\footins
13380 \color@endgroup
13381 \ifvoid\@bidi@copyins@
13382 \else
13383 \vskip \skip\@bidi@copyins@
13384 \color@begingroup
13385 \normalcolor
13386 \unvbox \@bidi@copyins@
13387 \color@endgroup
13388 \fi
13389 }%
13390 \fi
13391 \fi
13392 \xdef\@freelist{\@freelist\@midlist}%
13393 \global \let \@midlist \@empty
13394 \@combinefloats
13395 \ifvbox\@kludgeins
13396 \@makespecialcolbox
13397 \else
13398 \setbox\@outputbox\vbox to\@colht
13399 {\boxmaxdepth\maxdepth
13400 \@texttop
13401 \@tempdima\dp\@outputbox
13402 \unvbox\@outputbox
13403 \vskip-\@tempdima
13404 \@textbottom}%
13405 \fi
13406 \global\maxdepth\@maxdepth}
13407
13408 \let\leftfootnoterule\@empty
13409 \let\rightfootnoterule\@empty
13410 \let\textwidthfootnoterule\@empty
13411 \let\autofootnoterule\@empty
13412 \let\footnoterule\@empty

```



```

13413 \long\def\@makefntext#1{\parindent 1em
13414 \noindent\hbox to 2em{}}%
13415 \llap{\@thefnmark\hbox{.}\,\,}\,#1}
13416
13417 \setlength{\skip\@bidi@copyins@}
13418 {10pt plus 5pt minus 3pt}
13419 \AtBeginDocument{\prepare@bidi@copyins}

```

85 File graphicx-xetex-bidi.def

```

13420 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
13421 \def\Grot@box@std#1#2{\ifmmode\else\ifRTL\beginL\fi\fi%
13422 \Grot@setangle{#1}}%
13423 \setbox\z@\hbox{\ifmmode\ifRTL\beginR\fi#2\ifRTL\endR\fi\else\ifRTL\beginR\fi#2\ifRTL\endR\fi}%
13424 \Grot@x\z@
13425 \Grot@y\z@
13426 \Grot@box\ifmmode\else\ifRTL\endL\fi\fi}
13427 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\ifRTL\beginL\fi\fi%
13428 \@begin@tempboxa\hbox{\ifmmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
13429 \Grot@x\width \divide\Grot@x\tw@
13430 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
13431 \setkeys{Grot}{#1}}%
13432 \setbox\z@\box\@tempboxa
13433 \Grot@setangle{#2}}%
13434 \Grot@box\ifmmode\else\ifRTL\endL\fi\fi
13435 \@end@tempboxa}
13436 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\ifRTL\beginL\fi\fi%
13437 \leavevmode
13438 \def\Gscale@x{#1}\def\Gscale@y{#2}}%
13439 \setbox\z@\hbox{#3}}%
13440 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13441 \ifdim#2\p<\z@
13442 \ht\tw@-#2\dp\z@
13443 \dp\tw@-#2\ht\z@
13444 \else
13445 \ht\tw@#2\ht\z@
13446 \dp\tw@#2\dp\z@
13447 \fi
13448 \ifdim#1\p<\z@
13449 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}}%
13450 \else
13451 \wd\tw@#1\wd\z@
13452 \box\tw@
13453 \fi\ifmmode\else\ifRTL\endL\fi\fi}
13454 \def\Gin@iii[#1,#2][#3,#4]#5{%
13455 \begingroup
13456 \ifmmode\else\ifRTL\beginL\fi\fi
13457 \Gin@bboxtrue
13458 \Gin@defaultbp\Gin@llx{#1}%
13459 \Gin@defaultbp\Gin@lly{#2}%
13460 \Gin@defaultbp\Gin@urx{#3}%
13461 \Gin@defaultbp\Gin@ury{#4}%
13462 \Gin@include@graphics{#5}%
13463 \ifmmode\else\ifRTL\endL\fi\fi

```



```

13464 \endgroup}
13465 \def\Gin@ii[#1]#2{%
13466   \def\@tempa{[]}\def\@tempb{#2}%
13467   \ifx\@tempa\@tempb
13468     \def\@tempa{\Gin@iii[#1] []}%
13469     \expandafter\@tempa
13470   \else
13471     \begingroup
13472     \ifmmode\else\if@RTL\beginL\fi\fi
13473     \@tempswafalse
13474     \toks@{\Gin@include@graphics{#2}}%
13475     \setkeys{Gin}{#1}%
13476     \Gin@esetsize
13477     \the\toks@
13478     \ifmmode\else\if@RTL\endL\fi\fi
13479   \endgroup
13480   \fi}
13481 \def\reflectbox{\bidiGscale@box-1[1]}
13482 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13483   \leavevmode
13484   \def\Gscale@x{#1}\def\Gscale@y{#2}%
13485   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
13486   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13487   \ifdim#2\p@<\z@
13488     \ht\tw@-#2\dp\z@
13489     \dp\tw@-#2\ht\z@
13490   \else
13491     \ht\tw@#2\ht\z@
13492     \dp\tw@#2\dp\z@
13493   \fi
13494   \ifdim#1\p@<\z@
13495     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
13496   \else
13497     \wd\tw@#1\wd\z@
13498     \box\tw@
13499   \fi\ifmmode\else\if@RTL\endL\fi\fi}
13500 \def\scalebox#1{%
13501   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
13502 \def\resizebox{%
13503   \leavevmode
13504   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
13505 \def\bidiGscale@@box#1#2#3{%
13506   \let\@tempa\Gin@exclamation
13507   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
13508   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
13509   \ifx\@tempb\@tempa
13510     \ifx\@tempc\@tempa
13511       \toks@{\mbox}%
13512     \else
13513       \toks@{\bidiGscale@box@dd{#3}#1}%
13514     \fi
13515   \else
13516     \ifx\@tempc\@tempa
13517       \toks@{\bidiGscale@box@dd{#2}\width}%

```



```

13518 \else
13519 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
13520 \fi
13521 \fi
13522 \the\toks@}
13523 \long\def\bidiGscale@box@dd#1#2#3{%
13524 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi}%
13525 \setlength\@tempdima{#1}%
13526 \setlength\@tempdimb{#2}%
13527 \Gscale@div\@tempa\@tempdima\@tempdimb
13528 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
13529 \@end@tempboxa}
13530 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
13531 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi}%
13532 \setlength\@tempdima{#1}%
13533 \setlength\@tempdimb{#2}%
13534 \Gscale@div\@tempa\@tempdima\@tempdimb
13535 \setlength\@tempdima{#3}%
13536 \setlength\@tempdimb{#4}%
13537 \Gscale@div\@tempb\@tempdima\@tempdimb
13538 \ifGin@iso
13539 \ifdim\@tempa\p>\@tempb\p@
13540 \let\@tempa\@tempb
13541 \else
13542 \let\@tempb\@tempa
13543 \fi
13544 \fi
13545 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
13546 \@end@tempboxa}

```

86 File geometry-xetex-bidi.def

```

13547 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
13548 \renewcommand*{\Gm@vrules@mpi}{%
13549 \if@RTLmain%
13550 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
13551 \llap{\Gm@vrule}\ignorespaces
13552 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
13553 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
13554 \else%
13555 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
13556 \hskip \textwidth\Gm@vrule\hskip \marginparsep
13557 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
13558 \renewcommand*{\Gm@vrules@mpii}{%
13559 \if@RTLmain%
13560 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
13561 \hskip \textwidth\Gm@vrule\hskip \marginparsep
13562 \llap{\Gm@vrule}\hfil\Gm@vrule}%
13563 \else%
13564 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
13565 \llap{\Gm@vrule}\ignorespaces
13566 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
13567 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
13568 \bidi@patchcmd{\Gm@pageframes}{%

```



```

13569 \ifodd\count\z@
13570 \let\@themargin\oddsidemargin
13571 \else
13572 \let\@themargin\evensidemargin
13573 \fi
13574 }{%
13575 \ifodd\count\z@
13576 \if@RTLmain
13577 \let\@themargin\evensidemargin
13578 \else
13579 \let\@themargin\oddsidemargin
13580 \fi
13581 \else
13582 \if@RTLmain
13583 \let\@themargin\oddsidemargin
13584 \else
13585 \let\@themargin\evensidemargin
13586 \fi
13587 \fi
13588 }{}{}

```

87 File hvfloat-xetex-bidi.def

```

13589 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
13590 \def\do@hvFloat[#1]#2#3{%
13591 \def\hv@shortCap{#1}
13592 \def\hv@longCap{#2}
13593 \def\hv@label{#3}
13594 %\newcommand*{\hvFloat}[5][]{%
13595 % [#1]: keyvalues
13596 % #2: type figure | table | ...
13597 % #3: float contents
13598 % [#4]: short caption
13599 % #5: caption
13600 % #6: label
13601 % \setDefault%
13602 % \def\@tempa{#1}%
13603 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
13604 \def\@tempa{90}%
13605 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
13606 \else \setlength{\hvMaxCapWidth}{\linewidth}
13607 \fi
13608 %
13609 % First we save the object in \hvObjectBox
13610 %
13611 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
13612 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
13613 \else
13614 \savebox{\hvObjectBox}{%
13615 \rotatebox{\hvSet@objectAngle}{%
13616 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
13617 \fi
13618 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
13619 %

```



```

13620 % Now we save the caption with its defined \hvCapWidth
13621 %
13622 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
13623 \else
13624 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
13625 \else
13626 \setlength{\hvCapWidth}{\hvObjectWidth}
13627 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
13628 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
13629 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
13630 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
13631 \else
13632 \setlength{\hvCapWidth}{\hvMaxCapWidth}
13633 \fi
13634 \fi
13635 \fi
13636 %
13637 % now we have the object and the caption with the right
13638 % rotated angles saved in boxes
13639 %
13640 \def\fps@figure{\hvSet@floatPos}
13641 \ifhv@nonFloat\begin{group}% Start the nonfloat part
13642 \else \begin{\hv@floatType}% Start the floating environment
13643 \fi%
13644 \saveCaptionSkip% we put this space ourselves
13645 \ifx\hvSet@capAngle\hv@Width % need rotation?
13646 \sbox{\hvCaptionBox}{%
13647 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
13648 \ifhv@nonFloat%
13649 \ifhv@onlyText#2%
13650 \else%
13651 \ifx\hv@floatType\hv@figure
13652 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
13653 \else
13654 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
13655 \fi
13656 \fi
13657 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
13658 \fi%
13659 \label{#3}%
13660 \end{minipage}%
13661 }%
13662 \else%
13663 \sbox{\hvCaptionBox}{%
13664 \rotatebox{\hvSet@capAngle}{%
13665 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
13666 \ifhv@nonFloat%
13667 \ifhv@onlyText#2%
13668 \else%
13669 \ifx\hv@floatType\hv@figure
13670 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
13671 \else
13672 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
13673 \fi

```



```

13674 \fi
13675 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
13676 \fi%
13677 \label{#3}%
13678 \end{minipage}%
13679 }%
13680 }%
13681 \fi%
13682 %%
13683 \restoreCaptionSkip% save old values
13684 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
13685 \else%
13686 \ifx\hvSet@objectPos\hv@Center
13687 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
13688 \fi%
13689 \fi%
13690 %
13691 % to rotate object and caption together, we save all in another box
13692 % the caption comes first, if its on the left or the top
13693 %
13694 \savebox{\@tempboxa}{%
13695 \ifx\hvSet@capPos\hv@Left % caption on left side
13696 \ifRTL%
13697 \ifx\hvSet@capVPos\hv@Center%
13698 \ifhv@fbox
13699 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
13700 \else
13701 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
13702 \fi%
13703 \hspace{\hvSet@floatCapSep pt}%
13704 \ifhv@fbox
13705 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13706 \else
13707 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13708 \fi%
13709 \else%
13710 \ifx\hvSet@capVPos\hv@Top
13711 \ifhv@fbox
13712 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13713 \else
13714 \raisebox{-\height}{\usebox{\hvObjectBox}}%
13715 \fi%
13716 \hspace{\hvSet@floatCapSep pt}%
13717 \ifhv@fbox
13718 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13719 \else
13720 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13721 \fi
13722 \else
13723 \ifhv@fbox
13724 \fbox{\usebox{\hvObjectBox}}%
13725 \else
13726 \usebox{\hvObjectBox}%
13727 \fi

```



```

13728 \hspace{\hvSet@floatCapSep pt}%
13729 \ifhv@fbox
13730 \fbox{\usebox{\hvCaptionBox}}%
13731 \else
13732 \usebox{\hvCaptionBox}%
13733 \fi%
13734 \fi%
13735 \fi%
13736 \else% not RTL
13737 \ifx\hvSet@capVPos\hv@Center%
13738 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13739 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13740 \fi%
13741 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13742 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
13743 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
13744 \fi%
13745 \else%
13746 \ifx\hvSet@capVPos\hv@Top % caption at top
13747 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13748 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13749 \fi
13750 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13751 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13752 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
13753 \fi%
13754 \else% caption on bottom
13755 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
13756 \else\usebox{\hvCaptionBox}
13757 \fi%
13758 \hspace{\hvSet@floatCapSep pt}%
13759 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
13760 \else \usebox{\hvObjectBox}
13761 \fi%
13762 \fi%
13763 \fi% end of RTL
13764 \fi%
13765 \else
13766 \ifx\hvSet@capPos\hv@Top
13767 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
13768 \begin{minipage}{\wd\hvCaptionBox}
13769 \else
13770 \begin{minipage}{\wd\hvObjectBox}
13771 \fi
13772 \centering
13773 \ifhv@fbox
13774 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
13775 \fbox{\usebox{\hvObjectBox}}
13776 \else
13777 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
13778 \usebox{\hvObjectBox}
13779 \fi%
13780 \end{minipage}
13781 \else

```




```

13782 \ifx\hvSet@capPos\hv@Bottom
13783 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
13784 \begin{minipage}{\wd\hvCaptionBox}
13785 \else
13786 \begin{minipage}{\wd\hvObjectBox}
13787 \fi
13788 \centering
13789 \ifhv@fbox
13790 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
13791 \fbox{\usebox{\hvCaptionBox}}
13792 \else
13793 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
13794 \usebox{\hvCaptionBox}
13795 \fi%
13796 \end{minipage}
13797 \else% the last option: put the caption on the right
13798 \if@RTL%
13799 \ifx\hvSet@capVPos\hv@Center%
13800 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13801 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13802 \fi%
13803 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13804 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13805 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13806 \fi%
13807 \else%
13808 \ifx\hvSet@capVPos\hv@Top % caption at top
13809 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13810 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13811 \fi
13812 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13813 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13814 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
13815 \fi%
13816 \else% caption on bottom
13817 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
13818 \else\usebox{\hvCaptionBox}
13819 \fi%
13820 \hspace{\hvSet@floatCapSep pt}%
13821 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
13822 \else \usebox{\hvObjectBox}
13823 \fi%
13824 \fi%
13825 \fi%
13826 \else% not RTL
13827 \ifx\hvSet@capVPos\hv@Center%
13828 \ifhv@fbox
13829 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13830 \else
13831 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13832 \fi%
13833 \hspace{\hvSet@floatCapSep pt}%
13834 \ifhv@fbox
13835 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

13836 \else
13837 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
13838 \fi%
13839 \else%
13840 \ifx\hvSet@capVPos\hv@Top
13841 \ifhv@fbox
13842 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13843 \else
13844 \raisebox{-\height}{\usebox{\hvObjectBox}}%
13845 \fi%
13846 \hspace{\hvSet@floatCapSep pt}%
13847 \ifhv@fbox
13848 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13849 \else
13850 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13851 \fi
13852 \else
13853 \ifhv@fbox
13854 \fbox{\usebox{\hvObjectBox}}%
13855 \else
13856 \usebox{\hvObjectBox}%
13857 \fi
13858 \hspace{\hvSet@floatCapSep pt}%
13859 \ifhv@fbox
13860 \fbox{\usebox{\hvCaptionBox}}%
13861 \else
13862 \usebox{\hvCaptionBox}%
13863 \fi%
13864 \fi%
13865 \fi
13866 \fi% end of RTL
13867 \fi
13868 \fi
13869 \fi
13870 }% End savebox Object and caption
13871 %
13872 % now we rotate the object and caption, if needed
13873 %
13874 \ifx\hvSet@rotAngle\hv@Zero
13875 \usebox{\@tempboxa}
13876 \else
13877 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
13878 \fi
13879 \ifhv@nonFloat
13880 \ifx\hvSet@objectPos\hv@Center
13881 \ifhv@nonFloat
13882 \hspace{\fill}
13883 \fi
13884 \fi
13885 \endgroup% End the nonfloat part
13886 \else
13887 \end{\hv@floatType}% End the floating environment
13888 \fi
13889 }

```



88 File hyperref-xetex-bidi.def

```

13890 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
13891 \AtBeginDocument{%
13892 \def\contentsline#1#2#3#4{%
13893   \ifx\#4\%
13894     \csname l@#1\endcsname{#2}{#3}%
13895   \else
13896     \ifcase\Hy@linktoc % none
13897       \csname l@#1\endcsname{#2}{#3}%
13898     \or % section
13899       \csname l@#1\endcsname{%
13900         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
13901       }{#3}%
13902     \or % page
13903       \csname l@#1\endcsname{#2}{#3}%
13904       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
13905     }%
13906   \else % all
13907     \csname l@#1\endcsname{%
13908       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
13909     }{#3}%
13910     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
13911   }%
13912 \fi
13913 \fi
13914 }
13915 \ifHy@hyperfootnotes
13916   \let\H@@footnotetext\@footnotetext
13917   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
13918   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
13919   \def\xfootnotenext[#1]{%
13920     \begingroup
13921       \csname c@#1\endcsname #1\relax
13922       \unrestored@protected@xdef\thefnmark{\thempfn}%
13923     \endgroup
13924     \ifx\@footnotetext\@mpfootnotetext
13925       \expandafter\H@@mpfootnotetext
13926     \else
13927       \expandafter\H@@footnotetext
13928     \fi
13929   }%
13930   \def\xRTLfootnotenext[#1]{%
13931     \begingroup
13932       \csname c@#1\endcsname #1\relax
13933       \unrestored@protected@xdef\thefnmark{\thempfn}%
13934     \endgroup
13935     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
13936       \expandafter\HRTL@mpRTLfootnotetext
13937     \else
13938       \expandafter\HRTL@RTLfootnotetext
13939     \fi
13940   }%
13941   \def\xLTRfootnotenext[#1]{%

```



```

13942 \beginngroup
13943 \csname c@\@mpfn\endcsname #1\relax
13944 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13945 \endgroup
13946 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
13947 \expandafter\HLTR@\@mpLTRfootnotetext
13948 \else
13949 \expandafter\HLTR@\@LTRfootnotetext
13950 \fi
13951 }%
13952 \def\@xfootnotemark[#1]{%
13953 \beginngroup
13954 \c@footnote #1\relax
13955 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
13956 \endgroup
13957 \H@\@footnotemark
13958 }%
13959 \let\H@\@mpfootnotetext\@mpfootnotetext
13960 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
13961 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
13962 \long\def\@mpfootnotetext#1{%
13963 \H@\@mpfootnotetext{%
13964 \ifHy@nesting
13965 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13966 \else
13967 \Hy@raisedlink{%
13968 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13969 }#1%
13970 \fi
13971 }%
13972 }%
13973 \long\def\@mpRTLfootnotetext#1{%
13974 \HRTL@\@mpRTLfootnotetext{%
13975 \ifHy@nesting
13976 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13977 \else
13978 \Hy@raisedlink{%
13979 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13980 }#1%
13981 \fi
13982 }%
13983 }%
13984 \long\def\@mpLTRfootnotetext#1{%
13985 \HLTR@\@mpLTRfootnotetext{%
13986 \ifHy@nesting
13987 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13988 \else
13989 \Hy@raisedlink{%
13990 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13991 }#1%
13992 \fi
13993 }%
13994 }%
13995 \long\def\@footnotetext#1{%

```



```

13996 \H@@footnotetext{%
13997 \ifHy@nesting
13998 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13999 \else
14000 \Hy@raisedlink{%
14001 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14002 }%
14003 \let\@currentHlabel\Hy@footnote@currentHlabel
14004 \let\@currentHref\Hy@footnote@currentHref
14005 \let\@currentlabelname\@empty
14006 #1%
14007 \fi
14008 }%
14009 }%
14010 \long\def\@RTLfootnotetext#1{%
14011 \HRTL@@RTLfootnotetext{%
14012 \ifHy@nesting
14013 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14014 \else
14015 \Hy@raisedlink{%
14016 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14017 }%
14018 \let\@currentHlabel\Hy@footnote@currentHlabel
14019 \let\@currentHref\Hy@footnote@currentHref
14020 \let\@currentlabelname\@empty
14021 #1%
14022 \fi
14023 }%
14024 }%
14025 \long\def\@LTRfootnotetext#1{%
14026 \HLTR@@LTRfootnotetext{%
14027 \ifHy@nesting
14028 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14029 \else
14030 \Hy@raisedlink{%
14031 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14032 }%
14033 \let\@currentHlabel\Hy@footnote@currentHlabel
14034 \let\@currentHref\Hy@footnote@currentHref
14035 \let\@currentlabelname\@empty
14036 #1%
14037 \fi
14038 }%
14039 }%
14040 \@ifpackageloaded{tabularx}{%
14041 \let\HyOrg@TX@endtabularx\TX@endtabularx
14042 \def\Hy@tabularx@hook{%
14043 \let\@footnotetext\H@@footnotetext
14044 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
14045 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
14046 \let\@footnotemark\H@@footnotemark
14047 \let\@mpfootnotetext\H@@mpfootnotetext
14048 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
14049 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext

```



```

14050 }%
14051 \begingroup
14052 \toks@\expandafter{\TX@endtabularx}%
14053 \xdef\Hy@gtemp{%
14054 \noexpand\Hy@tabularx@hook
14055 \the\toks@
14056 }%
14057 \endgroup
14058 \let\TX@endtabularx\Hy@gtemp
14059 }{}%
14060 \@ifpackageloaded{longtable}{%
14061 \CheckCommand*\LT@p@LTRfootnotetext}[1]{%
14062 \edef\@tempa{%
14063 \the\LT@p@ftn
14064 \noexpand\LTRfootnotetext[\the\c@footnote]%
14065 }%
14066 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
14067 }%
14068 \long\def\LT@p@LTRfootnotetext#1{%
14069 \edef\@tempa{%
14070 \the\LT@p@ftn
14071 \begingroup
14072 \noexpand\c@footnote=\the\c@footnote\relax
14073 \noexpand\protected\xdef\noexpand\@thefnmark{%
14074 \noexpand\thempfn
14075 }%
14076 \noexpand\Hy@LT@LTRfootnotetext{%
14077 \Hy@footnote@currentHref
14078 }%
14079 }%
14080 \global\LT@p@ftn\expandafter{%
14081 \@tempa{#1}%
14082 \endgroup
14083 }%
14084 }%
14085 \long\def\Hy@LT@LTRfootnotetext#1#2{%
14086 \HLTR@LTRfootnotetext{%
14087 \ifHy@nesting
14088 \hyper@@anchor{#1}{#2}%
14089 \else
14090 \Hy@raisedlink{%
14091 \hyper@@anchor{#1}{\relax}%
14092 }%
14093 \def\@currentHref{#1}%
14094 \let\@currentlabelname\@empty
14095 #2%
14096 \fi
14097 }%
14098 }%
14099 \CheckCommand*\LT@p@RTLfootnotetext}[1]{%
14100 \edef\@tempa{%
14101 \the\LT@p@ftn
14102 \noexpand\RTLfootnotetext[\the\c@footnote]%
14103 }%

```



```

14104     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
14105 }%
14106 \long\def\LT@p@RTLftntext#1{%
14107     \edef\@tempa{%
14108         \the\LT@p@ftn
14109         \beginngroup
14110             \noexpand\c@footnote=\the\c@footnote\relax
14111             \noexpand\protected@xdef\noexpand\@thefnmark{%
14112                 \noexpand\thempfn
14113             }%
14114             \noexpand\Hy@LT@RTLfootnotetext{%
14115                 \Hy@footnote@currentHref
14116             }%
14117         }%
14118     \global\LT@p@ftn\expandafter{%
14119         \@tempa{#1}%
14120     \endgroup
14121 }%
14122 }%
14123 \long\def\Hy@LT@RTLfootnotetext#1#2{%
14124     \HRTL@RTLfootnotetext{%
14125         \ifHy@nesting
14126             \hyper@@anchor{#1}{#2}%
14127         \else
14128             \Hy@raisedlink{%
14129                 \hyper@@anchor{#1}{\relax}%
14130             }%
14131             \def\@currentHref{#1}%
14132             \let\@currentlabelname\@empty
14133             #2%
14134         \fi
14135     }%
14136 }%
14137 }{}%
14138 \@ifpackageloaded{bidipoem}{%
14139     \long\def\bidipoem@p@ftntext#1{%
14140         \edef\@tempx{%
14141             \the\bidipoem@p@ftn
14142             \beginngroup
14143                 \noexpand\c@mpfn\endcsname=\the\c@mpfn\endcsname\relax
14144                 \noexpand\protected@xdef\noexpand\@thefnmark{%
14145                     \noexpand\thempfn
14146                 }%
14147                 \noexpand\Hy@bidipoem@footnotetext{%
14148                     \Hy@footnote@currentHref
14149                 }%
14150             }%
14151         \global\bidipoem@p@ftn\expandafter{%
14152             \@tempx{#1}%
14153         \endgroup
14154     }%
14155 }%
14156 \long\def\Hy@bidipoem@footnotetext#1#2{%
14157     \H@footnotetext{%

```



```

14158     \ifHy@nesting
14159         \hyper@@anchor{#1}{#2}%
14160     \else
14161         \Hy@raisedlink{%
14162             \hyper@@anchor{#1}{\relax}%
14163         }%
14164         \def\@currentHref{#1}%
14165         \let\@currentlabelname\@empty
14166         #2%
14167     \fi
14168 }%
14169 }%
14170 \long\def\bidipoem@p@LTRftntext#1{%
14171 \edef\@tempxi{%
14172     \the\bidipoem@p@ftn
14173     \begingroup
14174         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14175         \noexpand\protected@xdef\noexpand\@thefnmark{%
14176             \noexpand\thempfn
14177         }%
14178         \noexpand\Hy@bidipoem@LTRfootnotetext{%
14179             \Hy@footnote@currentHref
14180         }%
14181     }%
14182     \global\bidipoem@p@ftn\expandafter{%
14183         \@tempxi{#1}%
14184     \endgroup
14185 }%
14186 }%
14187 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
14188     \HLTR@@LTRfootnotetext{%
14189         \ifHy@nesting
14190             \hyper@@anchor{#1}{#2}%
14191         \else
14192             \Hy@raisedlink{%
14193                 \hyper@@anchor{#1}{\relax}%
14194             }%
14195             \def\@currentHref{#1}%
14196             \let\@currentlabelname\@empty
14197             #2%
14198         \fi
14199     }%
14200 }%
14201 \long\def\bidipoem@p@RTLftntext#1{%
14202 \edef\@tempxii{%
14203     \the\bidipoem@p@ftn
14204     \begingroup
14205         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14206         \noexpand\protected@xdef\noexpand\@thefnmark{%
14207             \noexpand\thempfn
14208         }%
14209         \noexpand\Hy@bidipoem@RTLfootnotetext{%
14210             \Hy@footnote@currentHref
14211         }%

```




```

14212 }%
14213 \global\bidipoem@p@ftn\expandafter{%
14214 \tempxi{#1}%
14215 \endgroup
14216 }%
14217 }%
14218 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
14219 \HRTL@RTLfootnotetext{%
14220 \ifHy@nesting
14221 \hyper@@anchor{#1}{#2}%
14222 \else
14223 \Hy@raisedlink{%
14224 \hyper@@anchor{#1}{\relax}%
14225 }%
14226 \def\@currentHref{#1}%
14227 \let\@currentlabelname\@empty
14228 #2%
14229 \fi
14230 }%
14231 }%
14232 }-%
14233 \let\HyOrg@maketitle\maketitle
14234 \def\maketitle{%
14235 \let\Hy@saved@footnotemark\@footnotemark
14236 \let\Hy@saved@footnotetext\@footnotetext
14237 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
14238 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
14239 \let\@footnotemark\H@@footnotemark
14240 \let\@footnotetext\H@@footnotetext
14241 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
14242 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
14243 \@ifnextchar[\Hy@maketitle@optarg{% ]
14244 \HyOrg@maketitle
14245 \Hy@maketitle@end
14246 }%
14247 }%
14248 \def\Hy@maketitle@optarg[#1]{%
14249 \HyOrg@maketitle[#{#1}]%
14250 \Hy@maketitle@end
14251 }%
14252 \def\Hy@maketitle@end{%
14253 \ifx\@footnotemark\H@@footnotemark
14254 \let\@footnotemark\Hy@saved@footnotemark
14255 \fi
14256 \ifx\@footnotetext\H@@footnotetext
14257 \let\@footnotetext\Hy@saved@footnotetext
14258 \fi
14259 \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
14260 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
14261 \fi
14262 \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext
14263 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
14264 \fi
14265 }%

```



```

14266 \def\realfootnote{%
14267   \ifnextchar[\@xfootnote{%
14268     \stepcounter{\@mpfn}%
14269     \protected@xdef\@thefnmark{\thempfn}%
14270     \H@@footnotemark\H@@footnotetext
14271   }%
14272 }%
14273 \fi
14274 \def\Hy@BeginAnnot#1{%
14275   \ifmmode\else\beginL\fi%
14276   \global\advance\c@Hy@AnnotLevel\@ne
14277   \ifnum\c@Hy@AnnotLevel=\@ne
14278     #1%
14279   \fi
14280 }
14281 \def\Hy@EndAnnot{%
14282   \ifnum\c@Hy@AnnotLevel=\@ne
14283     \Hy@endcolorlink
14284     \@pdfm@mark{eann}%
14285   \fi
14286   \global\advance\c@Hy@AnnotLevel\m@ne
14287   \ifmmode\else\endL\fi%
14288 }
14289 \def\hyper@link#1#2#3{%
14290   \hyper@linkstart{#1}{#2}\ifmmode\else\ifRTL\beginR\fi\fi#3\ifmmode\else\ifRTL\endR\fi\fi
14291 }
14292 \def\hyper@linkfile#1#2#3{%
14293   \leavevmode
14294   \Hy@BeginAnnot{%
14295     \def\Hy@pstringF{#2}%
14296     \Hy@CleanupFile\Hy@pstringF
14297     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
14298     \Hy@pstringdef\Hy@pstringD{#3}%
14299     \Hy@MakeRemoteAction
14300     \@pdfm@mark{%
14301       bann<<%
14302         /Type/Annot%
14303         /Subtype/Link%
14304         \ifHy@pdfa /F 4\fi
14305         \Hy@setpdfborder
14306         \ifx\@filebordercolor\relax
14307           \else
14308             /C[\@filebordercolor]%
14309           \fi
14310         /A<<%
14311         /S/GoToR%
14312         /F(\Hy@pstringF)%
14313         /D%
14314         \ifx\@#3\%
14315           [\Hy@href@page\@pdfremotestartview]%
14316         \else
14317           (\Hy@pstringD)%
14318         \fi
14319         \Hy@SetNewWindow

```



```

14320         \Hy@href@nextactionraw
14321         >>%
14322         >>%
14323     }%
14324     \Hy@colorlink\@filecolor
14325 }%
14326 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14327 \Hy@endAnnot
14328 }
14329 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
14330 \leavevmode
14331 \Hy@BeginAnnot{%
14332     \Hy@pstringdef\Hy@pstringF{#1}%
14333     \Hy@pstringdef\Hy@pstringP{#3}%
14334     \@pdfm@mark{%
14335         bann<<%
14336         /Type/Annot%
14337         /Subtype/Link%
14338         \ifHy@pdfa /F 4\fi
14339         \Hy@setpdfborder
14340         \ifx\@runbordercolor\relax
14341         \else
14342             /C[\@runbordercolor]%
14343         \fi
14344         /A<<%
14345         /F(\Hy@pstringF)%
14346         /S/Launch%
14347         \Hy@SetNewWindow
14348         \ifx\#3\%
14349         \else
14350             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
14351         \fi
14352         \Hy@href@nextactionraw
14353         >>%
14354         >>%
14355     }%
14356     \Hy@colorlink\@runcolor
14357 }%
14358 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14359 \Hy@endAnnot
14360 }
14361 \def\hyper@linkurl#1#2{%
14362 \leavevmode
14363 \Hy@BeginAnnot{%
14364     \Hy@pstringdef\Hy@pstringURI{#2}%
14365     \@pdfm@mark{%
14366         bann<<%
14367         /Type/Annot%
14368         /Subtype/Link%
14369         \ifHy@pdfa /F 4\fi
14370         \Hy@setpdfborder
14371         \ifx\@urlbordercolor\relax
14372         \else
14373             /C[\@urlbordercolor]%

```



```

14374      \fi
14375      /A<<%
14376      /S/URI%
14377      /URI(\Hy@pstringURI)%
14378      \ifHy@href@ismap
14379      /IsMap true%
14380      \fi
14381      \Hy@href@nextactionraw
14382      >>%
14383      >>%
14384      }%
14385      \Hy@colorlink\@urlcolor
14386      }%
14387      \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14388      \Hy@EndAnnot
14389  }
14390  \def\Acrobatmenu#1#2{%
14391    \Hy@Acrobatmenu{#1}{#2}%
14392    \Hy@BeginAnnot{%
14393      \EdefEscapeName\Hy@temp@menu{#1}%
14394      \@pdfm@mark{%
14395        bann<<%
14396        /Type/Annot%
14397        /Subtype/Link%
14398        \ifHy@pdfa /F 4\fi
14399        \Hy@setpdfborder
14400        \ifx\@menubordercolor\relax
14401        \else
14402          /C[\@menubordercolor]%
14403        \fi
14404        /A<<%
14405        /S/Named%
14406        /N/\Hy@temp@menu
14407        \Hy@href@nextactionraw
14408        >>%
14409        >>%
14410      }%
14411      \Hy@colorlink\@menucolor
14412      }%
14413      \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14414      \Hy@EndAnnot
14415    }%
14416  }
14417  \def\hyper@natlinkstart#1{%
14418    \Hy@backout{#1}%
14419    \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
14420    \def\hyper@nat@current{#1}%
14421  }
14422  \def\hyper@natlinkend{%
14423    \if@RTL\endR\fi\hyper@linkend
14424  }
14425  \def\hyper@natlinkbreak#1#2{%
14426    \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
14427  }%

```



```

14428 }
14429 \pdfstringdefDisableCommands{%
14430 \let\LRE\@firstofone
14431 \let\LR\@firstofone
14432 \let\RLE\@firstofone
14433 \let\RL\@firstofone
14434 \def\XeTeX{Xe\TeX}%
14435 \def\XeLaTeX{Xe\LaTeX}%
14436 }
14437 \ifpackageloaded{longtable}{%
14438 \begingroup
14439 \def\y{\LT@array}%
14440 \ifundefined{scr@LT@array}{%
14441 \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
14442 }{\def\y{\scr@LT@array}}%
14443 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
14444 \expandafter\endgroup
14445 \expandafter\def\y[##1]##2{%
14446 \H@refstepcounter{#1}%
14447 \hyper@makecurrent{table}%
14448 \let\Hy@LT@currentHref\@currentHref
14449 #2\@sharp####4%
14450 }%
14451 }%
14452 \expandafter\expandafter\expandafter\x\y[##1]##2\@nil
14453 \begingroup
14454 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
14455 \endgroup
14456 \def\LT@start{%
14457 #1%
14458 \ifvoid\LT@foot#2\fi
14459 \let\@currentHref\Hy@LT@currentHref
14460 \Hy@raisedlink{%
14461 \hyper@anchorstart{\@currentHref}\hyper@anchorend
14462 }%
14463 #3%
14464 }%
14465 }%
14466 \expandafter\x\LT@start\@nil
14467 }{}
14468 \bidi@patchcmd\@TextField{%
14469 \@pdfmark
14470 }{%
14471 \if@RTL
14472 \hskip\Fld@width
14473 \fi
14474 \@pdfmark
14475 }{}{}
14476 \bidi@patchcmd\@TextField{%
14477 \unhbox
14478 }{%
14479 \if@RTL
14480 \hskip-\Fld@width
14481 \fi

```



```

14482 \unhbox
14483 }{}{}
14484 \bidi@patchcmd\@@Radio{%
14485 \@pdfm@mark
14486 }{%
14487 \if@RTL
14488 \hskip\Fld@width
14489 \fi
14490 \@pdfm@mark
14491 }{}{}
14492 \bidi@patchcmd\@@Radio{%
14493 \unhcopy
14494 }{%
14495 \if@RTL
14496 \hskip-\Fld@width
14497 \fi
14498 \unhcopy
14499 }{}{}
14500 \bidi@patchcmd\@Submit{%
14501 \@pdfm@mark
14502 }{%
14503 \if@RTL
14504 \null
14505 \hskip\wd\pdfm@box
14506 \fi
14507 \@pdfm@mark
14508 }{}{}
14509 \bidi@patchcmd\@Submit{%
14510 \unhbox
14511 }{%
14512 \if@RTL
14513 \hskip-\wd\pdfm@box
14514 \fi
14515 \unhbox
14516 }{}{}
14517 \bidi@patchcmd\@Reset{%
14518 \@pdfm@mark
14519 }{%
14520 \if@RTL
14521 \null
14522 \hskip\wd\pdfm@box
14523 \fi
14524 \@pdfm@mark
14525 }{}{}
14526 \bidi@patchcmd\@Reset{%
14527 \unhbox
14528 }{%
14529 \if@RTL
14530 \hskip-\wd\pdfm@box
14531 \fi
14532 \unhbox
14533 }{}{}

```



89 File imspdoc-xetex-bidi.def

```

14534 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for
14535 \newenvironment{thebibliography}[1]{%
14536   \@bibtitlestyle
14537   \normalfont\bibliofont\labelsep .5em\relax
14538   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
14539   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14540   \bidi@thebibliography@font@hook
14541   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
14542     \leftmargin\labelwidth \advance\leftmargin\labelsep
14543     \usecounter{enumiv}}%
14544   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
14545   \sfcode`\.=\@m
14546 }{%
14547   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
14548   \endlist
14549 }
14550
14551 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
14552   \columnseprule\z@ \columnsep 35\p@
14553   \@indextitlestyle
14554   \thispagestyle{plain}%
14555   \let\item\@idxitem
14556   \parindent\z@ \parskip\z@\@plus.3\p@\relax
14557   \ifRTL\raggedleft\else\raggedright\fi
14558   \hyphenpenalty\@M
14559   \footnotesize}
14560 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
14561 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
14562 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
14563
14564 \def\right@footnoterule{%
14565   \kern-.4\p@
14566   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
14567   \kern11\p@\kern-\footnotesep}
14568 \def\left@footnoterule{\kern-.4\p@
14569   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
14570 \def\@makefnmark{%
14571   \leavevmode
14572   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
14573 }
14574
14575 \def\part{\@startsection{part}{0}%
14576   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
14577   {\normalfont\bfseries\ifRTL\raggedleft\else\raggedright\fi}}
14578 \def\@tocline#1#2#3#4#5#6#7{\relax
14579   \ifnum #1>\c@tocdepth % then omit
14580   \else
14581     \par \addpenalty\@secpenalty\addvspace{#2}%
14582     \begingroup \hyphenpenalty\@M
14583     \@ifempty{#4}{%
14584       \@tempdima\csname r@tocindent\number#1\endcsname\relax
14585     }{%

```



```

14586      \@tempdima#4\relax
14587    }%
14588    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
14589    \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14590    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
14591    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
14592    \nobreak
14593    \endgroup
14594  \fi}
14595 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
14596 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
14597 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
14598 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
14599 \def\maketitle{\par
14600   \@topnum\z@ % this prevents figures from falling at the top of page 1
14601   \@setcopyright
14602   \thispagestyle{firstpage}% this sets first page specifications
14603   \uppercasenonmath\shorttitle
14604   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
14605   \else \andify\shortauthors
14606   \fi
14607   \@maketitle@hook
14608   \begingroup
14609   \@maketitle
14610   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
14611   \toks4{\def\\{\ignorespaces}}% defend against questionable usage
14612   \edef\@tempa{%
14613     \@nx\markboth{\the\toks4
14614       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
14615   \@tempa
14616   \endgroup
14617   \c@footnote\z@
14618   \@cleartopmattertags
14619 }

```

90 File leqno-xetex-bidi.def

```

14620 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
14621 \renewcommand\@eqnnum{\hbxt@.01p@{}}%
14622      \rlap{\hskip -\displaywidth
14623      {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

91 File letter-xetex-bidi.def

```

14624 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
14625 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
14626   \thispagestyle{firstpage}%
14627   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
14628   \else % home address
14629     \thispagestyle{empty}%
14630     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
14631       \fromaddress \\*[2\parskip]%
14632       \@date \end{tabular}\par}%
14633   \fi

```




```

14634 \vspace{2\parskip}%
14635 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \toaddress \par}%
14636 \vspace{2\parskip}%
14637 #1\par\nobreak}
14638 \renewcommand\left@footnoterule{%
14639 \kern-\p@
14640 \hrule \@width .4\columnwidth
14641 \kern .6\p@}
14642 \renewcommand\right@footnoterule{%
14643 \kern-\p@
14644 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14645 \kern .6\p@}

```

92 File lettrine-xetex-bidi.def

```

14646 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package]
14647 \def\@lettrine[#1]#2#3{%
14648 \def\l@initial{#2}\let\l@refstring\l@initial
14649 \setcounter{L@lines}{\value{DefaultLines}}%
14650 \setcounter{L@depth}{\value{DefaultDepth}}%
14651 \renewcommand*{\L@hang}{\DefaultLhang}%
14652 \renewcommand*{\L@oversize}{\DefaultLoversize}%
14653 \renewcommand*{\L@raise}{\DefaultLraise}%
14654 \renewcommand*{\L@ante}{}%
14655 \setlength{\L@Findent}{\DefaultFindent}%
14656 \setlength{\L@Nindent}{\DefaultNindent}%
14657 \setlength{\L@slope}{\DefaultSlope}%
14658 \setlength{\L@novskip}{\DiscardVskip}%
14659 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
14660 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
14661 \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
14662 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
14663 \setkeys{L}{#1}%
14664 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
14665 \ifL@realh
14666 \def\@tempa{#3}%
14667 \ifx\@tempa\@empty
14668 \PackageWarning{lettrine.sty}%
14669 {Empty second argument,\MessageBreak
14670 ignoring option `realheight';}%
14671 \else
14672 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
14673 \fi
14674 \fi
14675 \if\DefaultOptionsFile\relax
14676 \else
14677 \begingroup
14678 \InputIfFileExists{\DefaultOptionsFile}%
14679 {}%
14680 {\PackageWarning{lettrine.sty}%
14681 {File \DefaultOptionsFile\space not found}}%
14682 }%
14683 \def\color##1##{\l@color{##1}}%
14684 \let\l@color\@gobbletwo

```



```

14685 \def\textcolor##1##{\l@textcolor{##1}}%
14686 \def\l@textcolor##1##2##3{##3}%
14687 \expandafter\ifx\csname l@#2-keys\endcsname\relax
14688 \gdef\l@LOKeys{}%
14689 \else
14690 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
14691 \fi
14692 \endgroup
14693 \def\KV@prefix{KV@L@}%
14694 \let\@tempc\relax
14695 \expandafter\KV@do\l@LOKeys,\relax,
14696 \setupL@lbox
14697 \setlength{\LettrineWidth}{\wd\L@lbox}%
14698 \def\KV@prefix{KV@L@}%
14699 \let\@tempc\relax
14700 \expandafter\KV@do\l@LOKeys,\relax,
14701 \setkeys{L}{#1}%
14702 \fi
14703 \setupL@lbox
14704 \setlength{\LettrineWidth}{\wd\L@lbox}%
14705 \setlength{\LettrineHeight}{\ht\L@lbox}%
14706 \setlength{\LettrineDepth}{\dp\L@lbox}%
14707 \begingroup
14708 \def\IeC##1{##1}%
14709 \@tempdima=\L@oversize pt\relax
14710 \PackageInfo{lettrine.sty}%
14711 {Targeted height = \the\L@target@tth\MessageBreak
14712 (no accent, loversize=0),\MessageBreak
14713 Lettrine height = \the\LettrineHeight\space (#2)%
14714 \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
14715 \MessageBreak reported}%
14716 \endgroup
14717 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
14718 \setlength{\L@first}{\LettrineHeight}%
14719 \setlength{\L@lraise}{\L@raise\L@target@tth}%
14720 \addtolength{\L@first}{\L@lraise}%
14721 \ifnum\value{L@lines}=1
14722 \addtolength{\L@first}{-\ht\L@tbox}%
14723 \else
14724 \addtolength{\L@first}{-\L@target@tth}%
14725 \addtolength{\L@lraise}{-\L@target@dp}%
14726 \fi
14727 \par
14728 \ifdim\L@first>\L@novskip
14729 \ifL@grid
14730 \@tempdima=\baselineskip
14731 \@tempdimb=\@tempdima
14732 \advance\@tempdimb by \L@novskip
14733 \@tempcnta=1
14734 \loop\ifdim\L@first>\@tempdimb
14735 \advance\@tempcnta by 1
14736 \advance\L@first by -\@tempdima
14737 \repeat
14738 \L@first=\@tempcnta\baselineskip

```



```

14739 \fi
14740 \vskip\L@first
14741 \fi
14742 \setlength{\L@Pindent}{\wd\L@lbox}%
14743 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
14744 \settowidth{\L@first}{\L@ante}%
14745 \addtolength{\L@Pindent}{\L@first}%
14746 \addtolength{\L@Pindent}{\L@Findent}%
14747 \setlength{\L@first}{\linewidth}%
14748 \addtolength{\L@first}{-\L@Pindent}%
14749 \addtolength{\L@Nindent}{\L@Pindent}%
14750 \setlength{\L@next}{\linewidth}%
14751 \addtolength{\L@next}{-\L@Nindent}%
14752 \addtolength{\L@Pindent}{\@totalleftmargin}%
14753 \addtolength{\L@Nindent}{\@totalleftmargin}%
14754 \addtocounter{L@lines}{1}%
14755 \addtocounter{L@lines}{\value{L@depth}}%
14756 \if@RTL
14757 \def\L@parshape{\c@L@lines \z@ \the\L@first}%
14758 \else
14759 \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
14760 \fi
14761 \@tempcnta=\tw@
14762 \@whilenum \@tempcnta<\c@L@lines\do{%
14763 \if@RTL
14764 \edef\L@parshape{\L@parshape \z@ \the\L@next}%
14765 \else
14766 \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
14767 \fi
14768 \addtolength{\L@Nindent}{\L@slope}%
14769 \addtolength{\L@next}{-\L@slope}%
14770 \advance\@tempcnta\@ne}%
14771 \if@RTL
14772 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
14773 \else
14774 \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
14775 \fi
14776 \noindent
14777 \parshape=\L@parshape\relax
14778 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
14779 \hskip \the\L@Findent}}%
14780 \usebox{\L@tbox}%
14781 \ifnum\@listdepth>0 \lreset@listparshape \fi
14782 }

```

93 File lineno-xetex-bidi.def

```

14783 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
14784 \bidi@patchcmd{\MakeLineNo}{%
14785 \hb@xt@\z@{\makeLineNumber}%
14786 }{%
14787 \hboxL to \z@{\makeLineNumber}%
14788 }{}{}
14789

```



```

14790 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
14791   \if@RTL
14792     \hb@xt@\linenumberwidth{\LineNumber\hss}%
14793   \else
14794     \LineNumber
14795   \fi
14796 }{}{}
14797
14798 \bidi@patchcmd{\makeLineNumberRight}{%
14799   \hb@xt@\linenumberwidth{\hss\LineNumber}%
14800 }{}%
14801 \if@RTL
14802   \LineNumber
14803 \else
14804   \hb@xt@\linenumberwidth{\hss\LineNumber}%
14805 \fi
14806 }{}{}
14807
14808 \bidi@AfterPreamble{%
14809   \if@RTLmain
14810     \rightlinenumbers*
14811   \else
14812     \leftlinenumbers*
14813   \fi
14814   \@ifpackagewith{lineno}{left}{%
14815     \leftlinenumbers*
14816   }{}
14817   \@ifpackagewith{lineno}{right}{%
14818     \rightlinenumbers*
14819   }{}
14820 }
14821

```

94 File listings-xetex-bidi.def

```

14822 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
14823 \lst@Key{captiondirection}{textdirection}{%
14824   \lstKV@SwitchCases{#1}%
14825   {textdirection:\\%
14826     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
14827     LTR:\chardef\bidi@lst@caption@direction\z@%
14828   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
14829
14830 \lst@Key{captionscript}{textscript}{%
14831   \lstKV@SwitchCases{#1}%
14832   {textscript:\\%
14833     latin:\chardef\bidi@lst@caption@script\@ne\\%
14834     nonlatin:\chardef\bidi@lst@caption@script\z@%
14835   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
14836
14837 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
14838   \@ifundefined{bidi@lst@caption@direction}{}{%
14839     \ifnum\bidi@lst@caption@direction=\z@%
14840       #1%

```



```

14841 \else%
14842 \ifnum\bidilst@caption@direction=\@ne%
14843 #2%
14844 \fi%
14845 \fi%
14846 }}
14847
14848 \newcommand*{\bidilst@ensure@caption@script}[2]{%
14849 \@ifundefined{bidilst@caption@script}{\%
14850 \ifnum\bidilst@caption@script=\z@%
14851 #1%
14852 \else%
14853 \ifnum\bidilst@caption@script=\@ne%
14854 #2%
14855 \fi%
14856 \fi%
14857 }}
14858
14859 \long\def\@bidilst@makecaption#1#2{%
14860 \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
14861 \vskip\abovecaptionskip
14862 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14863 \sbox\@tempboxa{%
14864 \bidilst@ensure@caption@direction{\beginL}{\beginR}%
14865 #1: #2%
14866 \bidilst@ensure@caption@direction{\endL}{\endR}%
14867 }%
14868 \ifdim \wd\@tempboxa >\hsize
14869 #1: #2\par
14870 \else
14871 \global \@minipagefalse
14872 \hbxt\@hsize{\hfil\box\@tempboxa\hfil}%
14873 \fi
14874 \vskip\belowcaptionskip}%
14875 \def\lst@makecaption{\@bidilst@makecaption}
14876 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
14877 \bidilst@AtEndPreamble{%
14878 \bidilst@patchcmd{\lst@MakeCaption}{%
14879 \ifx #1t%
14880 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
14881 \expandafter\refstepcounter
14882 \fi \lstlisting}%
14883 }{%
14884 \ifx #1t%
14885 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14886 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
14887 \expandafter\refstepcounter
14888 \fi \lstlisting}%
14889 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
14890 }{}%
14891 \bidilst@patchcmd{\lst@MakeCaption}{%
14892 \addcontentsline{lol}{\lstlisting}%
14893 {\protect\numberline{\thelstlisting}\lst@@caption}%
14894 }{}%

```



```

14895 \begingroup%
14896         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14897         \addcontentsline{lol}{lstlisting}%
14898             {\protect\numberline{\thelstlisting}\lst@@caption}%
14899 \endgroup%
14900 }{}{}%
14901 }
14902 \@ifpackageloaded{caption}{%
14903     \AtBeginCaption{%
14904         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
14905         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14906     }
14907     \let\bidi@lst@makecaption\caption@makecaption%
14908     \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
14909     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}%
14910 }{}%
14911 \AtBeginDocument{%
14912     \@ifundefined{captionlabelfalse}{}{}%
14913     \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\empty}%
14914     \@ifundefined{caption@startrue}{}{}%
14915     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}%
14916 }%
14917 }
14918 \AtBeginDocument{
14919     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
14920     \lst@ifnumberbychapter
14921         \gdef\thelstlisting%
14922             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
14923     \else
14924         \gdef\thelstlisting{\@arabic\c@lstlisting}
14925     \fi

```

95 File loadingorder-xetex-bidi.def

```

14926 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
14927 \bidi@isloaded{amsmath}
14928 \bidi@isloaded{amstext}
14929 \bidi@isloaded{amsthm}
14930 \bidi@isloaded{animate}
14931 \bidi@isloaded{breqn}
14932 \bidi@isloaded{cals}
14933 \bidi@isloaded{caption}
14934 \bidi@isloaded{crop}
14935 \bidi@isloaded{cuted}
14936 \bidi@isloaded{cutwin}
14937 \bidi@isloaded{color}
14938 \bidi@isloaded{dblfnote}
14939 \bidi@isloaded{diagbox}
14940 \bidi@isloaded{xcolor}
14941 \bidi@isloaded{colortbl}
14942 \bidi@isloaded{float}
14943 \bidi@isloaded{floatrow}
14944 \bidi@isloaded{flowfram}
14945 \bidi@isloaded{framed}

```



```

14946 \bidi@isloaded{ftnright}
14947 \bidi@isloaded{xltextra}
14948 \bidi@isloaded{xunicode}
14949 \bidi@isloaded{wrapfig}
14950 \bidi@isloaded{graphicx}
14951 \bidi@isloaded{geometry}
14952 \bidi@isloaded{hvfloat}
14953 \bidi@isloaded{mdframed}
14954 \bidi@isloaded{midfloat}
14955 \bidi@isloaded{ntheorem}
14956 \bidi@isloaded{ntheorem-hyper}
14957 \bidi@isloaded{hyperref}
14958 \bidi@isloaded{fancybox}
14959 \bidi@isloaded{fancyhdr}
14960 \bidi@isloaded{fix2col}
14961 \bidi@isloaded{draftwatermark}
14962 \bidi@isloaded{empheq}
14963 \bidi@isloaded{overpic}
14964 \bidi@isloaded{pdfpages}
14965 \bidi@isloaded{listings}
14966 \bidi@isloaded{lettrine}
14967 \bidi@isloaded{lineno}
14968 \bidi@isloaded{media9}
14969 \bidi@isloaded{pstricks}
14970 \bidi@isloaded{pgf}
14971 \bidi@isloaded{picinpar}
14972 \bidi@isloaded{quotchap}
14973 \bidi@isloaded{tikz}
14974 \bidi@isloaded{titlesec}
14975 \bidi@isloaded{titletoc}
14976 \bidi@isloaded{array}
14977 \bidi@isloaded{soul}
14978 \bidi@isloaded{stabular}
14979 \bidi@isloaded{subfig}
14980 \bidi@isloaded{subfigure}
14981 \bidi@isloaded{supertabular}
14982 \bidi@isloaded{xtab}
14983 \bidi@isloaded{longtable}
14984 \bidi@isloaded{arydshln}
14985 \bidi@isloaded{multicol}
14986 \bidi@isloaded{multienum}
14987 \bidi@isloaded{minitoc}
14988 \bidi@isloaded{natbib}
14989 \bidi@isloaded{newfloat}
14990 \bidi@isloaded{ragged2e}
14991 \bidi@isloaded{rotating}
14992 \bidi@isloaded{tabls}
14993 \bidi@isloaded{tabulary}
14994 \bidi@isloaded{tocbasic}
14995 \bidi@isloaded{tocstyle}
14996 \bidi@isloaded{tocbibind}
14997 \bidi@isloaded{fontspec}
14998 \bidi@isloaded{arabxetex}
14999 \bidi@isloaded{polyglossia}

```



```

15000 \bidi@isloaded{fancyvrb}
15001 \AtBeginDocument{
15002   \if@bidi@amsmathloaded@else
15003     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packag
15004   \fi%
15005   \if@bidi@amstextloaded@else
15006     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packag
15007   \fi%
15008   \if@bidi@amsthmloaded@else
15009     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packag
15010   \fi%
15011   \if@bidi@animateloaded@else
15012     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packag
15013   \fi%
15014   \if@bidi@breqnloaded@else
15015     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
15016   \fi%
15017   \if@bidi@calsloaded@else
15018     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi packag
15019   \fi%
15020   \if@bidi@captionloaded@else
15021     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packag
15022   \fi%
15023   \if@bidi@croplloaded@else
15024     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi packag
15025   \fi%
15026   \if@bidi@colorloaded@else
15027     \@ifpackageloaded{hyperref}{}{%
15028       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
15029     \fi%
15030   \if@bidi@cutwinloaded@else
15031     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
15032   \fi%
15033   \if@bidi@cutedloaded@else
15034     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
15035   \fi%
15036   \if@bidi@dblfnoteloaded@else
15037     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
15038   \fi%
15039   \if@bidi@diagboxloaded@else
15040     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
15041   \fi%
15042   \if@bidi@xcolorloaded@else
15043     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
15044   \fi%
15045   \if@bidi@colortblloaded@else
15046     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
15047   \fi%
15048   \if@bidi@floatloaded@else
15049     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
15050   \fi%
15051   \if@bidi@floatrowloaded@else
15052     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
15053   \fi%

```




```

15054 \if@bidi@flowframloaded@else
15055 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
15056 \fi%
15057 \if@bidi@framedloaded@else
15058 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
15059 \fi%
15060 \if@bidi@ftnrightloaded@else
15061 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
15062 \fi%
15063 \if@bidi@xltxttraloaded@else
15064 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi pack
15065 \fi%
15066 \if@bidi@xunicodeloaded@else
15067 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
15068 \fi%
15069 \if@bidi@wrapfigloaded@else
15070 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
15071 \fi%
15072 \if@bidi@graphicxloaded@else
15073 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
15074 \fi%
15075 \if@bidi@geometryloaded@else
15076 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac
15077 \fi%
15078 \if@bidi@hvfloatloaded@else
15079 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
15080 \fi%
15081 \if@bidi@mdframedloaded@else
15082 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
15083 \fi%
15084 \if@bidi@midfloatloaded@else
15085 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
15086 \fi%
15087 \if@bidi@ntheoremloaded@else
15088 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
15089 \fi%
15090 \if@bidi@hyperrefloaded@else
15091 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
15092 \fi%
15093 \if@bidi@fancyboxloaded@else
15094 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
15095 \fi%
15096 \if@bidi@fancyhdrloaded@else
15097 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
15098 \fi%
15099 \if@bidi@draftwatermarkloaded@else
15100 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
15101 \fi%
15102 \if@bidi@empheqloaded@else
15103 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
15104 \fi%
15105 \if@bidi@overpicloaded@else
15106 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
15107 \fi%

```



```

15108 \if@bidi@pdfpagesloaded@else
15109     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
15110 \fi%
15111 \if@bidi@lettrineloaded@else
15112     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
15113 \fi%
15114 \if@bidi@linenoloaded@else
15115     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
15116 \fi%
15117 \if@bidi@listingsloaded@else
15118     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
15119 \fi%
15120 \csname if@bidi@media9loaded@endcsname\else
15121     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
15122 \fi%
15123 \if@bidi@pstricksloaded@else
15124     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
15125 \fi%
15126 \if@bidi@pgfloaded@else
15127     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
15128 \fi%
15129 \if@bidi@picinparloaded@else
15130     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
15131 \fi%
15132 \if@bidi@quotchaploaded@else
15133     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
15134 \fi%
15135 \if@bidi@tikzloaded@else
15136     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
15137 \fi%
15138 \if@bidi@titlesecloaded@else
15139     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
15140 \fi%
15141 \if@bidi@titletocloaded@else
15142     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
15143 \fi%
15144 \if@bidi@arrayloaded@else
15145     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
15146 \fi%
15147 \if@bidi@stabularloaded@else
15148     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
15149 \fi%
15150 \if@bidi@soulloaded@else
15151     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
15152 \fi%
15153 \if@bidi@subfigloaded@else
15154     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
15155 \fi%
15156 \if@bidi@subfigureloaded@else
15157     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
15158 \fi%
15159 \if@bidi@supertabularloaded@else
15160     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
15161 \fi%

```



```

15162 \if@bidi@xtabloaded@else
15163   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package}{}]
15164 \fi%
15165 \if@bidi@longtableloaded@else
15166   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package}{}]
15167 \fi%
15168 \if@bidi@arydshnloaded@else
15169   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshn after bidi package}{}]
15170 \fi%
15171 \if@bidi@multicolloaded@else
15172   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package}{}]
15173 \fi%
15174 \if@bidi@multienumloaded@else
15175   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package}{}]
15176 \fi%
15177 \if@bidi@minitocloaded@else
15178   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package}{}]
15179 \fi%
15180 \if@bidi@natbibloaded@else
15181   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package}{}]
15182 \fi%
15183 \if@bidi@newfloatloaded@else
15184   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package}{}]
15185 \fi%
15186 \csname if@bidi@ragged2eloaded@endcsname\else
15187   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package}{}]
15188 \fi%
15189 \if@bidi@rotatingloaded@else
15190   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package}{}]
15191 \fi%
15192 \if@bidi@tblsloaded@else
15193   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package}{}]
15194 \fi%
15195 \if@bidi@tabularyloaded@else
15196   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package}{}]
15197 \fi%
15198 \if@bidi@tocbasicloaded@else
15199   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package}{}]
15200 \fi%
15201 \if@bidi@tocstyleloaded@else
15202   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package}{}]
15203 \fi%
15204 \if@bidi@tocbibindloaded@else
15205   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package}{}]
15206 \fi%
15207 \if@bidi@fontspecloaded@else
15208   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package}{}]
15209 \fi%
15210 \if@bidi@arabxetexloaded@else
15211   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package}{}]
15212 \fi%
15213 \if@bidi@polyglossialloaded@else
15214   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi package}{}]
15215 \fi%

```



```

15216 \if@bidi@fancyvrbloaded@else
15217 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
15218 \fi%
15219 }

```

96 File longtable-xetex-bidi.def

```

15220 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
15221 \def\LT@array[#1]#2{%
15222 \refstepcounter{table}\stepcounter{LT@tables}%
15223 \if l#1%
15224 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
15225 \else\if r#1%
15226 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
15227 \else\if c#1%
15228 \LTleft\fill \LTright\fill
15229 \fi\fi\fi
15230 \let\LT@mc\multicolumn
15231 \let\LT@@tabarray\@tabarray
15232 \let\LT@hline\hline
15233 \def\@tabarray{%
15234 \let\hline\LT@hline
15235 \LT@@tabarray}%
15236 \let\\\LT@tabularcr\let\tabularnewline\\%
15237 \def\newpage{\noalign{\break}}%
15238 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
15239 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
15240 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
15241 \@tempdima\ht\strutbox
15242 \let\@endpbox\LT@endpbox
15243 \ifx\extrarowheight\@undefined
15244 \let\@acol\@tabacol
15245 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
15246 \def\@startpbox{\vtop\LT@startpbox}%
15247 \let\@@startpbox\@startpbox
15248 \let\@@endpbox\@endpbox
15249 \let\LT@LL@FM@cr\@tabularcr
15250 \else
15251 \advance\@tempdima\extrarowheight
15252 \col@sep\@tabcolsep
15253 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
15254 \fi
15255 \setbox\@arstrutbox\hbox{\vrule
15256 \@height \arraystretch \@tempdima
15257 \@depth \arraystretch \dp \strutbox
15258 \@width \z@}%
15259 \let\@sharp##\let\protect\relax
15260 \begingroup
15261 \mkpream{#2}%
15262 \xdef\LT@bchunk{%
15263 \global\advance\c@LT@chunks\@ne
15264 \global\LT@rows\z@\setbox\z@\vbox\bgroup
15265 \LT@setprevdepth
15266 \tabskip\LTleft \noexpand\halign to\hsize\bgroup

```



```

15267 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
15268 \endgroup
15269 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
15270 \LT@make@row
15271 \m@th\let\par\@empty
15272 \everycr{}\lineskip\z@\baselineskip\z@
15273 \LT@bchunk}
15274 \def\LT@makecaption#1#2#3{%
15275 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
15276 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
15277 \ifdim\wd\@tempboxa>\hsize
15278 #1{#2: }#3%
15279 \else
15280 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
15281 \fi
15282 \endgraf\vskip\baselineskip}%
15283 \hss}}}%
15284 \ifpackageloaded{caption}{%
15285 \renewcommand\LT@makecaption[3]{%
15286 \caption@LT@make{%
15287 \caption@LT@settype\LTcaptiontype
15288 \caption@LT@setup
15289 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
15290 \caption@startrue#1\caption@starfalse
15291 \caption@prepare@stepcounter\LTcaptiontype
15292 \caption@begin\LTcaptiontype
15293 \caption@normalsize
15294 \vskip-\ht\strutbox
15295 \caption@ifdefined\FBifcapttop{%
15296 \let\caption@belowskip\@empty}}}%
15297 \caption@make@above
15298 \caption@@make{#2}{#3}\endgraf
15299 \caption@make@below
15300 \caption@end}}}%
15301 }{}
15302 \def\LT@startpbox#1{%
15303 \bgroup\color@begingroup
15304 \let\@footnotetext\LT@p@ftntext
15305 \let\@LTRfootnotetext\LT@p@LTRftntext
15306 \let\@RTLfootnotetext\LT@p@RTLftntext
15307 \setlength\hsize{#1}%
15308 \@arrayparboxrestore
15309 \vrule \@height \ht\@arstrutbox \@width \z@}
15310 \def\LT@p@LTRftntext#1{%
15311 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
15312 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
15313 \def\LT@p@RTLftntext#1{%
15314 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
15315 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
15316
15317
15318 \def\LT@output{%
15319 \ifnum\outputpenalty <-\@Mi
15320 \ifnum\outputpenalty > -\LT@end@open

```



```

15321 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
15322 \else
15323 \setbox\z@\vbox{\unvbox\@cclv}%
15324 \ifdim \ht\LT@lastfoot>\ht\LT@foot
15325 \dimen@\pagegoal
15326 \advance\dimen@-\ht\LT@lastfoot
15327 \ifdim\dimen@<\ht\z@
15328 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
15329 \@makecol
15330 \@outputpage
15331 \setbox\z@\vbox{\box\LT@head}%
15332 \fi
15333 \fi
15334 \global\@colroom\@colht
15335 \global\vsizel\@colht
15336 \vbox
15337 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
15338 \fi
15339 \else
15340 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
15341 \@makecol
15342 \@outputpage
15343 \global\vsizel\@colroom
15344 \copy\LT@head\nobreak
15345 \fi}

```

97 File lscape-xetex-bidi.def

```

15346 \ProvidesFile{lscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscape package for
15347 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
15348 \if@RTL
15349 \rotatebox[origin=br]{-90}{\box\@outputbox}%
15350 \else
15351 \rotatebox{90}{\box\@outputbox}%
15352 \fi
15353 }{}{}
15354 \g@addto@macro{\landscape}{%
15355 \let\ bidi@left@footnoterule\left@footnoterule
15356 \let\ bidi@right@footnoterule\right@footnoterule
15357 \def\left@footnoterule{%
15358 \if@RTL
15359 \bidi@right@footnoterule
15360 \else
15361 \bidi@left@footnoterule
15362 \fi
15363 }%
15364 \def\right@footnoterule{%
15365 \if@RTL
15366 \bidi@left@footnoterule
15367 \else
15368 \bidi@right@footnoterule
15369 \fi
15370 }%
15371 }

```



98 File mathtools-xetex-bidi.def

```

15372 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
15373 \MHInternalSyntaxOn
15374 \def\MT_define_tagform:nwnn #1[#2]#3#4{
15375   \@namedef{MT_tagform_#1:n}##1
15376   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
15377 }
15378 \renewtagform{default}{\{ }\}}
15379 \MHInternalSyntaxOff

```

99 File mdframed-xetex-bidi.def

```

15380 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
15381 \newif\if@bidi@mdf@RTL
15382 \def\mdf@lrbox#1{%
15383   \mdf@patchamsthm\patch amsthm
15384   \if@RTL\@bidi@mdf@RTLtrue\fi%
15385   \@RTLfalse%
15386   \setbox#1\vbox\bgroup%
15387   \color@begingroup%
15388   \if@bidi@mdf@RTL\@RTLtrue\fi%
15389   \mdf@horizontalmargin@equation%
15390   \columnwidth=\hsize%
15391   \textwidth=\hsize%
15392   \let\if@nobreak\iffalse%
15393   \let\if@noskipsec\iffalse%
15394   \let\par\@par%
15395   \let\-\@dischyph%
15396   \let'\@acci\let`\@accii\let=\@acciii%
15397   \parindent\z@ \parskip\z@skip%
15398   \linewidth\hsize%
15399   \@totalleftmargin\z@%
15400   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
15401   \parfillskip\@flushglue \lineskip\normallineskip%
15402   \baselineskip\normalbaselineskip%
15403   %% \sloppy%
15404   \let\\\@normalcr%
15405   \mdf@par@local%New feature to restore parskip/parindent local in save box
15406   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
15407   \@afterindentfalse%
15408   %\@afterheading%
15409 }
15410 \renewrobustcmd\mdfframedtitleenv[1]{%
15411   \mdf@lrbox{\mdf@frametitlebox}%
15412   \mdf@frametitlealignment%
15413   \leavevmode{\color{\mdf@frametitlefontcolor}%
15414     \normalfont\mdf@frametitlefont{#1}
15415     \ifbool{mdf@ignorelastdescenders}%
15416       {%
15417         \par\strut\par
15418         \unskip\unskip\setbox0=\lastbox
15419         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
15420       }{}}%

```



```

15421 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
15422 \endmdf@lrbox\relax%
15423 \mdf@ignorevbadness%
15424 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
15425 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
15426 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
15427 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
15428 \mdfframetitleboxtotalheight=\dimexpr
15429 \ht\mdf@frametitlebox
15430 +\dp\mdf@frametitlebox%
15431 +\mdf@frametitleaboveskip@length
15432 +\mdf@frametitlebelowskip@length
15433 \relax%
15434 }
15435
15436 \renewrobustcmd*\mdf@footnoteoutput{%
15437 \ifvoid\@mpfootins\else%
15438 \nobreak%
15439 \vskip\mdf@footnotedistance@length%
15440 \normalcolor%
15441 \bidi@mpfootnoterule%
15442 \unvbox\@mpfootins%
15443 \fi%
15444 }
15445
15446
15447 \renewrobustcmd*\mdf@footnoteinput{%
15448 \def\@mpfn{\mpfootnote}%
15449 \def\thempfn{\thempfootnote}%
15450 \c@mpfootnote\z@%
15451 \let\@footnotetext\@mpfootnotetext%
15452 \let\@LTRfootnotetext\@mpLTRfootnotetext%
15453 \let\@RTLfootnotetext\@mpRTLfootnotetext%
15454 }

```

100 File bidi-media9.sty

```

15455 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
15456 {bidi fixes for media9 package for the XeTeX engine}
15457
15458 \keys_define:nn{media9/mbtn}{
15459 draft .code:n = {},
15460 final .code:n = {},
15461
15462 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
15463 tooltip .value_required:n = {true},
15464
15465 overface .code:n = {
15466 \sbox\l_mix_poster_box{
15467 \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
15468 \mix_pdfxform:n{\l_mix_poster_box}
15469 \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
15470 },
15471 overface .value_required:n = {true},

```




```

15472
15473 downface .code:n = {
15474     \sbox\l_mix_poster_box{
15475         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
15476         \mix_pdfxform:n{\l_mix_poster_box}
15477         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
15478     },
15479 downface .value_required:n = {true},
15480
15481 3Dgotoview .code:n = {
15482     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
15483     \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
15484     \tl_trim_spaces:N\l_tmpa_tl
15485     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
15486         \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
15487             \tl_set:Nx\l_tmpb_tl{#1} %extract idx
15488             \regex_replace_once:nnN{([~:~]+:~?){}\1}\l_tmpb_tl
15489             \tl_trim_spaces:N\l_tmpb_tl
15490             \tl_if_blank:VF\l_tmpb_tl{
15491                 \regex_match:nVTF{^[DFLNP]$}\1}\l_tmpb_tl{
15492                     \tl_set:Nx\l_mix_vidx_tl{/}\1}\l_tmpb_tl
15493                 }{
15494                     \regex_match:nVTF{^[~d+~$]\1}\l_tmpb_tl{
15495                         \tl_set:Nx\l_mix_vidx_tl{~}\1}\l_tmpb_tl
15496                     }{
15497                         \regex_replace_once:nnN{^[~\s*~$]\1}\l_tmpb_tl
15498                         \regex_replace_once:nnN{[~\s*~$]\1}\l_tmpb_tl
15499                         \tl_set:Nx\l_mix_vidx_tl{~(\1}\l_tmpb_tl)
15500                     }
15501                 }
15502             }
15503             \mix_pdfobj:nnn{}{dict}{
15504                 /S/JavaScript/JS~(
15505                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15506                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15507                         annotRM['\l_tmpa_tl']=
15508                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15509                     }
15510                     annotRM['\l_tmpa_tl'].activated=true;
15511                 )
15512                 \tl_if_blank:VF\l_tmpb_tl{
15513                     /Next~<<
15514                     /S/GoTo3DView
15515                     /TA~\tl_use:c{ann@\l_tmpa_tl}
15516                     /V\l_mix_vidx_tl
15517                     >>
15518                 }
15519             }
15520             \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15521         }
15522     }{
15523         \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
15524         \cs_if_exist:NF\g_mix_refundefwarned_tl{
15525             \tl_new:N\g_mix_refundefwarned_tl

```



```

15526         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
15527     }
15528 }
15529 },
15530 3Dgotoview .value_required:n = {true},
15531
15532 mediacommand .code:n = {
15533     \tl_set:Nx\l_tmpa_tl{#1}
15534     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl %extract ref
15535     \tl_trim_spaces:N\l_tmpa_tl
15536     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
15537         \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
15538             \tl_set:Nx\l_tmpb_tl{#1}
15539             \regex_replace_once:nnN{[~:~]+~:~}{\1}\l_tmpb_tl
15540             \tl_trim_spaces:N\l_tmpb_tl
15541             \regex_replace_all:nnN{^~{|\}~}{\1}\l_tmpb_tl
15542             \tl_set:Nx\l_mix_cmd_tl{
15543                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
15544             \tl_trim_spaces:N\l_mix_cmd_tl
15545             \tl_set:Nx\l_mix_arg_tl{
15546                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
15547             \tl_trim_spaces:N\l_mix_arg_tl
15548             \mix_pdfobj:nnn{}{dict}{
15549                 /S/JavaScript/JS~(
15550                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15551                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15552                         annotRM['\l_tmpa_tl']=
15553                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15554                     }
15555                     annotRM['\l_tmpa_tl'].activated=true;
15556                 )
15557                 \tl_if_blank:VF\l_mix_cmd_tl{
15558                     /Next~<<
15559                     /S/RichMediaExecute
15560                     /TA~\tl_use:c{ann@\l_tmpa_tl}
15561                     /TI~\tl_use:c{main@\l_tmpa_tl}
15562                     /CMD~<<
15563                     /C~(\l_mix_cmd_tl)
15564                     \tl_if_blank:VF\l_mix_arg_tl{
15565                         /A~[\l_mix_arg_tl]
15566                     }
15567                     >>
15568                 >>
15569             }
15570         }
15571         \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15572     }
15573 }{
15574     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
15575     \cs_if_exist:NF\g_mix_refundefwarned_tl{
15576         \tl_new:N\g_mix_refundefwarned_tl
15577         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
15578     }
15579 }

```



```

15580 },
15581 mediacommand .value_required:n = {true},
15582
15583 jsaction .code:n = {
15584   \tl_set:Nx\l_tmpa_tl{#1}
15585   \regex_match:nVTF{^[^\{:\}+:\.*$}\l_tmpa_tl{
15586     \regex_replace_once:nnN{([^\{:\}+:\.]*)}{\1}\l_tmpa_tl %extract ref
15587     \tl_trim_spaces:N\l_tmpa_tl
15588   }\tl_clear:N\l_tmpa_tl}
15589   \tl_set:Nx\l_tmpb_tl{#1}
15590   \tl_if_blank:VF\l_tmpa_tl{
15591     \tl_if_exist:cF{ann@\l_tmpa_tl}{
15592       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
15593       \cs_if_exist:NF\g_mix_refundefwarned_tl{
15594         \tl_new:N\g_mix_refundefwarned_tl
15595         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
15596       }
15597     }
15598     \regex_replace_once:nnN{[^\{:\}+:\.]*}{\1}\l_tmpb_tl
15599   }
15600   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
15601   \tl_trim_spaces:N\l_tmpb_tl
15602   \tl_if_blank:VF\l_tmpb_tl{
15603     \mix_pdfobj:nnn{}{dict}{
15604       /S/JavaScript/JS~(
15605         try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
15606   \bool_lazy_and:nnT{
15607     \tl_if_exist_p:c{ann@\l_tmpa_tl}
15608   }{
15609     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
15610   }{
15611     \mix_pdfobj:nnn{}{dict}{
15612       /S/JavaScript/JS~(
15613         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15614         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15615           annotRM['\l_tmpa_tl']=
15616             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15617         }
15618         annotRM['\l_tmpa_tl'].activated=true;
15619       )
15620       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
15621     }
15622   }
15623   \bool_if:nT{
15624     \bool_lazy_and_p:nn{
15625       \tl_if_exist_p:c{ann@\l_tmpa_tl}
15626     }{
15627       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
15628     }
15629     || !\tl_if_blank_p:V\l_tmpb_tl
15630   }{
15631     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15632   }
15633 },

```



```

15634 jsaction .value_required:n = {true},
15635
15636 unknown .code:n = {
15637     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
15638 }
15639 }
15640
15641 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
15642 \mix_uriend:
15643 \group_begin:
15644 \mix_beginLTR:
15645 \mode_leave_vertical:
15646 %empty stream as appearance dummy
15647 \cs_if_exist:NF\g_mix_appearance_tl{
15648     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
15649     \mix_pdfxform:n{\l_mix_poster_box}
15650     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
15651 }
15652 \mix_reset:
15653 \mix_uribegin: %treat URI characters correctly
15654 \keys_set:nn{media9/user}{#1}
15655 \mix_uriend:
15656 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
15657 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
15658 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
15659 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
15660 \tl_gtrim_spaces:N\g_mix_flashvars_tl
15661
15662 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
15663
15664 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
15665 %\hbox_set:Nn\l_mix_poster_box{#2}
15666 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
15667 \mix_scale:n{\l_mix_poster_box}
15668 \bool_if:nTF{
15669     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
15670     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
15671 }{
15672     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
15673 }
15674 \bool_if:NTF\g_mix_usrdraft_bool{
15675     \tl_if_empty:NF\g_mix_usrlabel_tl{
15676         \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
15677     }
15678     \tl_if_blank:oTF{#2}{
15679         \mix_uribegin: %treat URI characters correctly
15680         \mix_draftbox:n{\tl_to_str:n{#3}}
15681         \mix_uriend:
15682     }{
15683         \hbox_to_wd:nn{\g_mix_wd_tl}{
15684             \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
15685             \box_use:N\l_mix_poster_box\hss
15686         }
15687     }

```



```

15688 }{
15689   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
15690     %attach script that switches off play button overlay upon activation
15691     \mix_pdfobj:nnn{}{stream}{
15692       {}{
15693         var~ocgs=host.getOCGs(host.pageNum);
15694         for(var~i=0;i<ocgs.length;i++){
15695           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
15696             ocgs[i].state=false;
15697           }
15698         }
15699       }
15700     }
15701     \mix_pdfobj:nnn{}{dict}{
15702       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
15703     }
15704     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
15705     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
15706     %enforce plain playbutton overlay for XeTeX
15707     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
15708   }
15709   %embed main asset
15710   \mix_uribegin:
15711   \mix_embedasset:n{#3}
15712   \bool_if:nTF{
15713     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
15714   }{
15715     \bool_gset_true:N\g_mix_iiid_bool
15716     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
15717   }{
15718     \str_case_e:nnF{\l_mix_base_tl}{
15719       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
15720       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
15721       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15722       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15723       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15724     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
15725   }
15726   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
15727   \mix_uriend:
15728   %secondary assets (added by addresource)
15729   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
15730   \seq_map_inline:Nn\g_mix_script_seq{
15731     \mix_embedasset:n{##1}
15732     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
15733   }
15734   %attach 3D calculation script
15735   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
15736     \mix_embedasset:n{3Dmenu.js}
15737     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
15738   }
15739   %create 3D views from file (option 3Dviews)
15740   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
15741     \tl_set:Nn\l_mix_level_tl{-1}

```



```

15742 \int_zero:N\l_mix_viewcnt_int
15743 \int_zero:N\l_mix_lineno_int
15744
15745 \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
15746 \ior_map_inline:Nn\l_mix_vfile_stream{
15747   \int_incr:N\l_mix_lineno_int
15748   \keys_set:nn{media9/views}{##1} %process input line
15749 }
15750 \ior_close:N\l_mix_vfile_stream
15751 }
15752 \bool_if:nT{ %create default 3D view if required
15753   \g_mix_iiid_bool &&
15754   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
15755 }{
15756   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
15757   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
15758   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
15759   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
15760   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
15761   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
15762   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
15763
15764   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
15765   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
15766   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
15767   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
15768
15769   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
15770   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
15771   \tl_clear:N\l_mix_naarray_tl
15772
15773   \bool_if:NF\l_mix_ciiw_bool{
15774     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
15775     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
15776   }
15777
15778   \tl_clear:N\l_mix_naarray_tl
15779   \tl_clear:N\l_mix_saarray_tl
15780   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
15781
15782   \mix_view:n{Default}
15783   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
15784
15785 }
15786 \mix_pdfobj:nnn{}{dict}{
15787   /Type/RichMediaInstance
15788   /Subtype/\g_mix_mainassetsub_tl
15789   /Asset~\g_mix_mainasset_tl
15790   \bool_if:NF\g_mix_iiid_bool{
15791     /Params~<<
15792     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
15793       /Foreground
15794     }{
15795       /Background

```



```

15796     }
15797     \tl_if_blank:VF\g_mix_flashvars_tl{
15798       /FlashVars~(\g_mix_flashvars_tl)
15799     }
15800     >>
15801   }
15802 }
15803 \tl_if_empty:NF\g_mix_usrlabel_tl{
15804   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
15805 }
15806 \mix_pdfobj:nnn{}{dict}{
15807   /Type/RichMediaConfiguration
15808   /Subtype/\g_mix_mainassetsub_tl
15809   /Instances~[\mix_pdflastobj:]
15810 }
15811 \mix_pdfobj:nnn{}{dict}{
15812   /Type/RichMediaContent
15813   /Assets~<</Names~[\g_mix_assets_tl]>>
15814   /Configurations~[\mix_pdflastobj:]
15815   \bool_if:nT{
15816     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
15817   }{
15818     /Views~[\l_mix_iiidviewarray_tl]
15819   }
15820 }
15821 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
15822 \bool_if:nT{
15823   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
15824 }{
15825   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
15826 }
15827 %determine floating window size
15828 \bool_if:NT\g_mix_opt_windowed_bool{
15829   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
15830 }
15831 \mix_pdfobj:nnn{}{dict}{
15832   /Activation~<<
15833   /Condition\g_mix_act_tl
15834   \bool_if:nT{
15835     \g_mix_iiid_bool &&
15836     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
15837   }{%seems to work only with 3D content
15838     /Animation~<<
15839     /Subtype/\g_mix_playtpe_tl
15840     /PlayCount~\g_mix_playcnt_tl
15841     /Speed~\g_mix_playspd_tl
15842     >>
15843   }
15844   \bool_if:nT{
15845     \g_mix_iiid_bool && (
15846       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
15847     )
15848   }{/View~\l_mix_dfltview_tl}
15849   /Presentation~<<

```



```

15850 /Transparent~\g_mix_transp_tl
15851 \bool_if:NTF\g_mix_opt_windowed_bool{
15852 /Style/Windowed
15853 /Window~<<
15854 /Width~<</Default~\tl_mix_fltd>>
15855 /Height~<</Default~\tl_mix_flht>>
15856 /Position~<<
15857 /HOffset~0/VOffset~0
15858 \str_case_e:nnF{\g_mix_winpos_tl}{
15859 {tl}{/VAlign/Near/HAlign/Near}
15860 {cl}{/VAlign/Center/HAlign/Near}
15861 {bl}{/VAlign/Far/HAlign/Near}
15862 {bc}{/VAlign/Far/HAlign/Center}
15863 {br}{/VAlign/Far/HAlign/Far}
15864 {cr}{/VAlign/Center/HAlign/Far}
15865 {tr}{/VAlign/Near/HAlign/Far}
15866 {tc}{/VAlign/Near/HAlign/Center}
15867 }{/HAlign/Center/VAlign/Center}
15868 >>
15869 >>
15870 }{
15871 /Style/Embedded
15872 }
15873 \bool_if:NTF\g_mix_iiid_bool{
15874 /Toolbar~\g_mix_tools_tl
15875 /NavigationPane~\g_mix_nav_tl
15876 }{
15877 /PassContextClick~\g_mix_contextclick_tl
15878 }
15879 >>
15880 \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
15881 >>
15882 /Deactivation~<</Condition\g_mix_deact_tl>>
15883 }
15884 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
15885 \tl_if_empty:NF\g_mix_usrlabel_tl{
15886 \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
15887 }
15888 % #1:width, #2:height, #3:depth, #4:content (key-value)
15889 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
15890 /Subtype/RichMedia
15891 /F~4
15892 /BS~<</W~0/S/S>>
15893 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
15894 /NM~(\g_mix_label_tl)
15895 /AP~<</N~\g_mix_appearance_tl>>
15896 /RichMediaSettings~\l_mix_settings_tl
15897 /RichMediaContent~\l_mix_content_tl
15898 }
15899 \tl_if_empty:NF\g_mix_usrlabel_tl{
15900 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
15901 \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
15902 \noexpand\the\g@mix@page@int}
15903 }

```




```

15904 \mix_pdfobj:nnn{}{dict}{
15905   /S/JavaScript/JS~(
15906     try{
15907       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15908       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
15909         annotRM['\g_mix_label_tl']=
15910           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
15911       }
15912       \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
15913         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
15914           var~ocgs=this.getOCGs(this.pageNum);
15915           for(var~i=0;i<ocgs.length;i++){
15916             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
15917               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
15918             }
15919           }
15920         }
15921         if(
15922           !annotRM['\g_mix_label_tl'].activated&&(
15923             app.viewerType=='Reader' ||
15924             app.viewerType=='Exchange' ||
15925             app.viewerType=='Exchange-Pro'
15926           )&&app.viewerVersion>=9
15927         ){
15928           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
15929         }
15930       }
15931     }catch(e){}
15932     this.dirty=false;
15933   )
15934 }
15935 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
15936   /Subtype/Widget
15937   /FT/Btn/Ff~65537/F~2
15938   /BS~<</W~0>>
15939   /T~(fd@\g_mix_label_tl)
15940   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
15941 }
15942 \mix_appendtofields:n{\mix_pdflastann:}
15943 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
15944 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
15945   \hbox_to_wd:nn{\g_mix_wd_tl}{
15946     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
15947   }
15948 }{%insert play button overlay
15949   \mix_insert_btnocg: %create OCG
15950   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
15951   \group_begin:
15952   \cs_if_exist:NT\textdir{\textdir TLT}
15953   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
15954   \box_move_down:nn{\g_mix_dp_tl}{
15955     \hbox_to_wd:nn{\g_mix_wd_tl}{
15956       \vbox_to_ht:nn{\g_mix_tt_tl}{
15957         \vss

```



```

15958         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
15959         \box_use:N\l_mix_pbtn_box
15960         \ocgbase_oc_emc:
15961     }
15962 }
15963 }
15964 \group_end:
15965 }
15966 \int_gincr:N\g_mix_rmcnt_int
15967 }
15968 \mix_endLTR:
15969 \group_end:
15970 }
15971 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
15972 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
15973
15974 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
15975     \mix_uridend:
15976     \group_begin:
15977     \mix_beginLTR:
15978     \mode_leave_vertical:
15979     %reset various variables
15980     \tl_gclear:N\g_mix_overbtn_tl
15981     \tl_gclear:N\g_mix_downbtn_tl
15982     \tl_gclear:N\g_mix_btnactions_tl
15983     \tl_gclear:N\g_mix_tooltip_tl
15984     %process options
15985     \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
15986     \mix_uribegin: %treat URI characters correctly
15987     \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
15988     \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
15989     \mix_uridend:
15990     %normal button appearance
15991     %\hbox_set:Nn\l_mix_poster_box{#2}
15992     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
15993     \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
15994     \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
15995     \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
15996     \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
15997         \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
15998             \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
15999         \mix_pdfxform:n{\l_mix_poster_box}
16000         \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
16001         %insert widget annotation
16002         \mix_pdfannot:nnnn{\width}{\height}{\depth}{
16003             /Subtype/Widget
16004             /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
16005             \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
16006             /FT/Btn/Ff~65536
16007             \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
16008             /AP~<<
16009             /N~\g_mix_normalbtn_tl
16010             \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
16011             \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}

```



```

16012 >>
16013 /MK~<<
16014 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
16015 /I~\g_mix_normalbtn_tl
16016 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
16017 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
16018 >>
16019 /A~<<
16020 /S/JavaScript/JS~(app.focusRect=false;)
16021 %sequence of actions to perform
16022 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
16023 >>
16024 }
16025 \mix_appendtofields:n{\mix_pdflastann:}
16026 \hbox_to_wd:nn{\width}{
16027 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
16028 }
16029 \int_gincr:N\g_mix_mbtncnt_int
16030 }
16031 \mix_endLTR:
16032 \group_end:
16033 }
16034 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
16035 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
16036

```

101 File memoir-xetex-bidi.def

```

16037 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
16038 \renewcommand{\keepthetitle}{%
16039 \@bsmtitleempty
16040 \global\let\thanks\relax
16041 \global\let\LTRthanks\relax
16042 \global\let\RTLthanks\relax
16043 \global\let\and\relax
16044 \global\let\andnext\relax
16045 \global\let\@thanks\@empty
16046 \global\let\@title\@empty
16047 \global\let\@author\@empty
16048 \global\let\@date\@empty}
16049 \renewcommand{\maketitle}{\par
16050 \begin{group}
16051 \@bsmarkseries
16052 \def\@makefnmark{\@textsuperscript{%
16053 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
16054 \long\def\@makefntext##1{\makethanksmark ##1}
16055 \if@twocolumn
16056 \ifnum \col@number=\@one
16057 \@maketitle
16058 \else
16059 \twocolumn[\@maketitle]%
16060 \fi
16061 \else
16062 \ifdim\pagetotal>\z@

```



```

16063         \newpage
16064         \fi
16065         \global\@topnum\z@
16066         \@maketitle
16067         \fi
16068         \thispagestyle{title}\@thanks
16069     \endgroup
16070     \@bscontmark % \setcounter{footnote}{0}%
16071 }
16072 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
16073 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
16074 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
16075 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
16076 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
16077 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
16078 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
16079 \renewcommand*{\thesubsection}{%
16080     \thesection\@SepMark\@arabic\csubsection}
16081 \renewcommand*{\thesubsubsection}{%
16082     \thesubsection\@SepMark\@arabic\csubsubsection}
16083 \renewcommand*{\theparagraph}{%
16084     \thesubsubsection\@SepMark\@arabic\c@paragraph}
16085 \renewcommand*{\thesubparagraph}{%
16086     \theparagraph\@SepMark\@arabic\c@subparagraph}
16087 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
16088 \renewcommand{\theequation}{%
16089     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16090 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
16091 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
16092 \ifartopt
16093     \chapterstyle{article}
16094     \counterwithout{figure}{chapter}
16095     \counterwithout{table}{chapter}
16096     \counterwithout{footnote}{chapter}
16097     \counterwithout{equation}{chapter}
16098     \renewcommand{\chaptername}{%
16099         \renewcommand{\maketitlehookb}{%
16100             \vskip -1.5\topsep\vskip -1.5\partopsep}
16101         \renewcommand{\maketitlehookc}{%
16102             \vskip -1.5\topsep\vskip -1.5\partopsep}
16103     \fi
16104     \long\def\@makecaption#1#2{\let\@memtempa\relax
16105         \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
16106         \else \def\@memtempa{\vbox to\topskip{}}\fi
16107         \let\@contfnote\footnote \renewcommand{\footnote}[2][]{%
16108             \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][]{%
16109                 \sbox\@tempboxa{\@contfnote #1\@contdelim \@conttfont #2\@contfinal}
16110                 \let\footnote\@contfnote
16111                 \let\footnotemark\@contfmark
16112                 \ifdim\wd\@tempboxa<\linewidth \centering \fi
16113                 \if@contcw
16114                     \centering
16115                     \parbox{\@contcwidth}{%
16116                         \ifdim\wd\@tempboxa<\@contcwidth \centering \fi

```



```

16117 \fi
16118 \ifdim\wd\@tempboxa<\linewidth
16119 \contpre
16120 {\contnfont #1\contdelim}\memtempa
16121 {\contcshortstyle \conttfont #2\contfinal\par}
16122 \else
16123 \if@conthang
16124 \sbox\@tempboxa{\contnfont #1\contdelim}
16125 \contpre%
16126 {\contcstyle\hangindent=\wd\@tempboxa
16127 \noindent\box\@tempboxa\memtempa \conttfont #2\contfinal\par}
16128 \else
16129 \if@contindent
16130 \contpre%
16131 {\contnfont #1\contdelim}\memtempa
16132 {\contcstyle\hangindent=\@contindw
16133 \hangafter=\@one\conttfont #2\contfinal\par}% <- v1.4
16134 \else
16135 \contpre%
16136 {\contnfont #1\contdelim}\memtempa
16137 {\contcstyle \conttfont #2\contfinal\par}
16138 \fi
16139 \fi
16140 \fi
16141 \contpost
16142 \if@contcw
16143 \par
16144 } % end of the \parbox
16145 \fi
16146 \vskip\belowcaptionskip}
16147 \ifpackageloaded{caption}{%
16148 \AtBeginPackage{caption}{
16149 \ClassWarningNoLine{memoir}{%
16150 You are using the caption package with the memoir \MessageBreak
16151 class. This may cause unexpected or inconsistent \MessageBreak
16152 results if you use any of memoir's captioning facilities}
16153 }
16154 \long\def\makecaption##1##2{%
16155 \vskip\abovecaptionskip
16156 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
16157 \ifdim \wd\@tempboxa >\hsize
16158 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
16159 \else
16160 \global \@minipagefalse
16161 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
16162 \fi
16163 \vskip\belowcaptionskip}
16164
16165 \def\caption{%
16166 \ifx\@capytype\undefined
16167 \latexerror{\noexpand\caption outside float}\@ehd
16168 \expandafter\@gobble
16169 \else
16170 \refstepcounter\@capytype

```



```

16171 \expandafter\@firstofone
16172 \fi
16173 {\@dblarg{\@caption\@capttype}}%
16174 }
16175
16176 \long\def\@caption##1[##2]##3{%
16177 \par
16178 \addcontentsline{\csname ext@##1\endcsname}{##1}%
16179 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
16180 \begingroup
16181 \@parboxrestore
16182 \if@minipage
16183 \setminipage
16184 \fi
16185 \normalsize
16186 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
16187 \endgroup}
16188 }}{}
16189 \renewenvironment{thebibliography}[1]{%
16190 \bibsection
16191 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16192 \bidi@thebibliography@font@hook%
16193 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

102 File midfloat-xetex-bidi.def

```

16194 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
16195 \def\RTL\outputdblcol{%
16196 \if@firstcolumn
16197 \global\@firstcolumnfalse
16198 \global\setbox\@leftcolumn\copy\@outputbox
16199 \splitmaxdepth\maxdimen
16200 \vbadness\maxdimen
16201 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16202 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16203 \toks@\expandafter{\topmark}%
16204 \xdef\@firstcoltopmark{\the\toks@}%
16205 \toks@\expandafter{\splitfirstmark}%
16206 \xdef\@firstcolfirstmark{\the\toks@}%
16207 \ifx\@firstcolfirstmark\@empty
16208 \global\let\@setmarks\relax
16209 \else
16210 \gdef\@setmarks{%
16211 \let\firstmark\@firstcolfirstmark
16212 \let\topmark\@firstcoltopmark}%
16213 \fi
16214 \global\c@colht\@colht\global\c@advvipersep\z@
16215 \ifnum\jua@sk>0
16216 \remove@strip\jua@sar
16217 \global\@colht\the\jua@pr
16218 \ifdim\right@cor>\z@
16219 \global\advance\@colht by\right@cor
16220 \fi
16221 \global\advance\@colht by\cor@height

```



```

16222     \global\cor@height=0pt
16223     \fi
16224     \global \setbox\@rightcolumn \vbox{}%
16225   \else
16226     \ifdim\c@colht>\@colht
16227       \@tempdima\@colht
16228       \ifdim\@colht>\z@
16229         \global\setbox\@rightcolumn \vbox{%
16230           \unvbox\@rightcolumn
16231           \vbox to\@tempdima{%
16232             \vskip\c@addvipersep\unvbox\@outputbox}%
16233           \vskip\stripsep
16234           \vrule height\the\juo@ht width 0pt depth 0pt
16235           \vskip\stripsep
16236         }%
16237       \global\c@addvipersep\m@addvipersep
16238     \else
16239       \global\setbox\@rightcolumn \vbox{%
16240         \unvbox\@rightcolumn
16241         \vrule height\the\juo@ht width 0pt depth 0pt
16242         \vskip\stripsep
16243       }%
16244     \fi
16245     \ifnum\juo@sk>0
16246       \remove@strip\juo@sar
16247       \global\@colht\the\juo@pr
16248       \global\advance\@colht by -\ht\@rightcolumn
16249       \global\advance\@colht by\cor@height
16250       \global\cor@height=0pt
16251     \else
16252       \global\advance\c@colht by-\ht\@rightcolumn
16253       \global\@colht\c@colht
16254     \fi
16255   \else
16256     \global\@firstcolumntrue
16257     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
16258       \unvbox\@rightcolumn
16259       \vskip\c@addvipersep
16260       \unvbox\@outputbox
16261     }%
16262     \setbox\@outputbox \vbox {%
16263       \hb@xt@\textwidth {%
16264         \hskip \columnwidth
16265         \hfil
16266         \vrule \@width\columnseprule
16267         \hfil
16268         \hb@xt@\columnwidth {%
16269           \bidi@firstcolumn@status@write%
16270           \box\@leftcolumn \hss}%
16271         \hskip-\textwidth
16272         \hb@xt@\columnwidth {%
16273           \bidi@lastcolumn@status@write%
16274           \box\@outputbox \hss}%
16275         \hskip\columnwidth

```



```

16276             \hskip\columnsep}%
16277             }%
16278     \@combinedblfloats
16279     \@setmarks
16280     \@outputpage
16281     \begingroup
16282     \@dblfloatplacement
16283     \@startdblcolumn
16284     \@whiles\if@colmade \fi
16285     {\@outputpage
16286     \@startdblcolumn}%
16287     \endgroup
16288     \global\jua@sk=0\global\jua@sar={}%
16289     \global\cor@height\z@\global\c@advipersep\z@
16290     \fi
16291 \fi
16292 }
16293
16294
16295 \def\LTR@outputdblcol{%
16296   \if@firstcolumn
16297     \global \@firstcolumnfalse
16298     \global\setbox\@leftcolumn\copy\@outputbox
16299     \splitmaxdepth\maxdimen
16300     \vbadness\maxdimen
16301     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16302     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16303     \toks@\expandafter{\topmark}%
16304     \xdef\@firstcoltopmark{\the\toks@}%
16305     \toks@\expandafter{\splitfirstmark}%
16306     \xdef\@firstcolfirstmark{\the\toks@}%
16307     \ifx\@firstcolfirstmark\@empty
16308       \global\let\@setmarks\relax
16309     \else
16310       \gdef\@setmarks{%
16311         \let\firstmark\@firstcolfirstmark
16312         \let\topmark\@firstcoltopmark}%
16313     \fi
16314     \global\c@colht\@colht\global\c@advipersep\z@
16315     \ifnum\jua@sk>0
16316       \remove@strip\jua@sar
16317       \global\@colht\the\jua@pr
16318       \ifdim\right@cor>\z@
16319         \global\advance\@colht by\right@cor
16320       \fi
16321       \global\advance\@colht by\cor@height
16322       \global\cor@height=0pt
16323     \fi
16324     \global \setbox\@rightcolumn \vbox{%
16325 \else
16326   \ifdim\c@colht>\@colht
16327     \@tempdima\@colht
16328     \ifdim\@colht>\z@
16329     \global\setbox\@rightcolumn \vbox{%

```




```

16330             \unvbox\@rightcolumn
16331             \vbox to\@tempdima{%
16332                 \vskip\c@addvipersep\unvbox\@outputbox}%
16333             \vskip\stripsep
16334             \vrule height\the\jua@ht width 0pt depth 0pt
16335             \vskip\stripsep
16336             }%
16337         \global\c@addvipersep\m@addvipersep
16338     \else
16339         \global\setbox\@rightcolumn \vbox{%
16340             \unvbox\@rightcolumn
16341             \vrule height\the\jua@ht width 0pt depth 0pt
16342             \vskip\stripsep
16343             }%
16344     \fi
16345     \ifnum\jua@sk>0
16346         \remove@strip\jua@sar
16347         \global\@colht\the\jua@pr
16348         \global\advance\@colht by -\ht\@rightcolumn
16349         \global\advance\@colht by\cor@height
16350         \global\cor@height=0pt
16351     \else
16352         \global\advance\c@colht by-\ht\@rightcolumn
16353         \global\@colht\c@colht
16354     \fi
16355 \else
16356     \global\@firstcolumntrue
16357     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
16358         \unvbox\@rightcolumn
16359         \vskip\c@addvipersep
16360         \unvbox\@outputbox
16361         }%
16362     \setbox\@outputbox \vbox {%
16363         \hb@xt@\textwidth {%
16364             \hb@xt@\columnwidth {%
16365                 \bidi@firstcolumn@status@write%
16366                 \box\@leftcolumn \hss}%
16367             \hfil
16368             \vrule \@width\columnseprule
16369             \hfil
16370             \hb@xt@\columnwidth {%
16371                 \bidi@lastcolumn@status@write%
16372                 \box\@outputbox \hss}%
16373             }%
16374         }%
16375     \@combinedblfloats
16376     \@setmarks
16377     \@outputpage
16378     \begingroup
16379         \@dblfloatplacement
16380         \@startdblcolumn
16381     \@whilesw\if@fcolmade \fi
16382     {\@outputpage
16383         \@startdblcolumn}%

```



```

16384 \endgroup
16385 \global\jua@sk=0\global\jua@sar={}%
16386 \global\cor@height\z@\global\c@advvipersep\z@
16387 \fi
16388 \fi
16389 }
16390
16391
16392 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
16393 \global \setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
16394 \hsize\textwidth
16395 \@parboxrestore
16396 \col@number \@ne
16397 \vrule height\topskip width0pt depth0pt
16398 }
16399
16400 \def\endstrip{%
16401 \egroup\egroup
16402 \if@firstcolumn
16403 \ifdim\pagetotal>\z@
16404 \vskip\stripsep
16405 \global\ht@strip\pagegoal
16406 \global\advance\ht@strip by-\pagetotal
16407 \global\advance\ht@strip by-\stripsep
16408 \global\advance\ht@strip by-\ht\@viper
16409 \global\advance\ht@strip by-\stripsep
16410 \global\jua@ht=\ht\@viper
16411 \else
16412 \global\ht@strip\z@
16413 \fi
16414 \ifdim\ht@strip>\z@
16415 \unvbox\@viper
16416 \vskip\stripsep
16417 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
16418 \global\advance\jua@sk by1
16419 \else
16420 \@latex@error{Strip needs more place!}\@ehc
16421 \if@vihproof
16422 \framebox[\columnwidth]{??? Strip ???}%
16423 \fi
16424 \fi
16425 \else
16426 \@latex@error{Strip is used only on left column!}\@ehc
16427 \if@vihproof
16428 \framebox[\columnwidth]{??? Strip ???}%
16429 \fi
16430 \fi
16431 }

```

103 File minitoc-xetex-bidi.def

```

16432 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
16433 \def\@undottedtocline#1#2#3#4#5{%
16434 \ifnum #1>\c@tocdepth\relax \else

```



```

16435 \vskip \z@ plus.2\p@
16436 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16437 \parindent #2\relax\@afterindenttrue
16438 \interlinepenalty\@M
16439 \leavevmode
16440 \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
16441 \hskip -\if@RTL\righskip\else\leftskip\fi
16442 #4\nobreak\hfill \nobreak
16443 \null\par}%
16444 \fi}
16445 \def\@Undottedtocline#1#2#3#4#5{%
16446 \ifnum #1>\c@tocdepth\relax \else
16447 \vskip \z@ \@plus.2\p@
16448 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
16449 \parindent #2\relax\@afterindenttrue
16450 \interlinepenalty\@M
16451 \leavevmode
16452 \@tempdima #3\relax
16453 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
16454 {\coffefont #4}\nobreak \nobreak\null
16455 \par}%
16456 \fi}
16457 \def\@Undottedtoclinep#1#2#3#4#5{%
16458 \ifnum #1>\c@tocdepth\relax \else
16459 \vskip \z@ \@plus.2\p@
16460 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
16461 \parindent #2\relax\@afterindenttrue
16462 \interlinepenalty\@M
16463 \leavevmode
16464 \@tempdima #3\relax
16465 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
16466 {\#4}\nobreak \hfill \nobreak\null
16467 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
16468 \par}%
16469 \fi}

```

104 File multicol-xetex-bidi.def

```

16470 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package]
16471 \def\page@sofar{%
16472 \process@cols\mult@rightbox
16473 {\ifvoid\count@
16474 \setbox\count@\hbox to\hsize{}%
16475 \else
16476 \wd\count@\hsize
16477 \fi}%
16478 \count@\col@number \advance\count@\m@ne
16479 \mult@info\z@
16480 {Column spec: \the\full@width\space = indent
16481 + columns + sep =\MessageBreak
16482 \the\multicol@leftmargin\space
16483 + \the\col@number\space
16484 x \the\hsize\space
16485 + \the\count@\space

```



```

16486         x \the\columnsep
16487     }%
16488 \ifvmode\else\errmessage{Multicol Error}\fi
16489     \nointerlineskip
16490     \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
16491     \moveright\multicol@leftmargin
16492     \hbox to\full@width{%
16493         \bidi@multicol@align@columns
16494         \rlap{\phantom p}%
16495     }%
16496 \prevdepth\z@
16497 \kern-\dimen\tw@
16498 \ifdim\dimen\tw@ > \mc@gridwarn
16499     \PackageWarning{multicol}%
16500         {Very deep columns!\MessageBreak
16501         Grid alignment might be broken}%
16502 \fi
16503 }
16504 \def\LTR@column@boxes{%
16505     \process@cols\mult@firstbox{%
16506         \ifdim\dp\count@>\dimen\tw@
16507             \global\dimen\tw@\dp\count@ \fi
16508         \mc@col@status@write
16509         \box\count@
16510         \hss{\columnseprulecolor\vrule
16511             \@width\columnseprule}\hss}%
16512     \ifdim\dp\mult@rightbox>\dimen\tw@
16513         \global\dimen\tw@\dp\mult@rightbox \fi
16514     \mc@lastcol@status@write
16515     \box\mult@rightbox
16516 }
16517
16518 \def\RTL@column@boxes{%
16519     \process@cols\mult@firstbox{%
16520         \hskip\hsize
16521         \hss{\columnseprulecolor\vrule
16522             \@width\columnseprule}\hss
16523     }%
16524     \hskip\hsize
16525     \process@cols\mult@firstbox{%
16526         \ifdim\dp\count@>\dimen\tw@
16527             \global\dimen\tw@\dp\count@ \fi
16528         \hskip-\hsize
16529         \mc@col@status@write
16530         \box\count@
16531         \hskip-\hsize
16532         \hskip-\columnsep
16533     }%
16534     \ifdim\dp\mult@rightbox>\dimen\tw@
16535         \global\dimen\tw@\dp\mult@rightbox \fi
16536     \hskip-\hsize
16537     \mc@lastcol@status@write
16538     \box\mult@rightbox
16539     \hskip-\hsize

```



```

16540     \hskip\full@width
16541 }
16542
16543 \newcommand\RTLmulticolcolumns
16544   {\let\bidimulticol@align@columns
16545     \RTL@column@boxes}
16546 \newcommand\LTRmulticolcolumns
16547   {\let\bidimulticol@align@columns
16548     \LTR@column@boxes}
16549 \newcommand\bidimulticol@align@columns
16550   {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
16551 \bidimulticol@AtEndPreamble{%
16552   \if@bidi@csdef{footinsv@l}{%
16553     \def\footnoterule{\kern-3\p@
16554       \hrule \@width \textwidth \kern 2.6\p@}%
16555   }{}%
16556 }
16557 \def\multicols#1{\col@number#1\relax
16558   \ifnum\col@number<\tw@
16559     \PackageWarning{multicol}%
16560       {Using `\'number\col@number'
16561         columns doesn't seem a good idea.^^J
16562         I therefore use two columns instead}%
16563     \col@number\tw@ \fi
16564   \ifnum\col@number>20
16565     \PackageError{multicol}%
16566       {Too many columns}%
16567       {Current implementation doesn't
16568         support more than 20 columns.%
16569       \MessageBreak
16570       I therefore use 20 columns instead}%
16571     \col@number20 \fi
16572   \ifx\@footnotetext\mult@footnotetext
16573     \else
16574       \let\orig@footnotetext\@footnotetext
16575       \let\@footnotetext\mult@footnotetext
16576     \fi
16577   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
16578     \else
16579       \let\orig@LTRfootnotetext\@LTRfootnotetext
16580       \let\@LTRfootnotetext\mult@LTRfootnotetext
16581     \fi
16582   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
16583     \else
16584       \let\orig@RTLfootnotetext\@RTLfootnotetext
16585       \let\@RTLfootnotetext\mult@RTLfootnotetext
16586     \fi
16587   \@ifnextchar[\mult@cols{\mult@cols[]}]{}
16588 \long\def\mult@footnotetext#1{\begingroup
16589   \hsize\textwidth
16590   \columnwidth\textwidth
16591   \orig@footnotetext{#1}\endgroup}
16592 \long\def\mult@LTRfootnotetext#1{\begingroup
16593   \hsize\textwidth

```



```

16594         \columnwidth\textwidth
16595         \orig@LTRfootnotetext{#1}\endgroup}
16596 \long\def\mult@RTLfootnotetext#1{\begingroup
16597         \hsize\textwidth
16598         \columnwidth\textwidth
16599         \orig@RTLfootnotetext{#1}\endgroup}
16600 \def\right@footnoterule{%
16601     \kern-3\p@
16602     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
16603     \kern2.6\p@}
16604 \def\textwidth@footnoterule{\kern-3\p@
16605     \hrule \@width \textwidth \kern 2.6\p@}
16606 \def\bidileave@mult@copyins{%
16607     \advance\dimen@-\skip\@bidi@copyins@
16608     \advance\dimen@-\ht\@bidi@copyins@
16609 }
16610 \bidi@AtEndPreamble{%
16611     \if@bidi@csdef{footinsv@l}{%
16612         \def\bidileave@mult@footinsv@r{%
16613             \advance\dimen@-\skip\footinsv@r
16614             \advance\dimen@-\ht\footinsv@r
16615         }%
16616         \def\bidileave@mult@footinsv@l{%
16617             \advance\dimen@-\skip\footinsv@l
16618             \advance\dimen@-\ht\footinsv@l
16619         }%
16620         \def\bidii@init@mult@footinsv@r{%
16621             \multiply\count\footinsv@r\col@number
16622             \multiply\skip \footinsv@r\col@number
16623         }%
16624         \def\bidii@init@mult@footinsv@l{%
16625             \multiply\count\footinsv@l\col@number
16626             \multiply\skip \footinsv@l\col@number
16627         }%
16628         \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
16629             \insert\footinsv@r{}\fi}%
16630         \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
16631             \insert\footinsv@l{}\fi}%
16632         \bidi@patchcmd{\prepare@multicols}{%
16633             \reinsert@footnotes
16634         }{%
16635             \reinsert@footnotes
16636             \bidii@init@mult@footinsv@r
16637             \bidireinsert@footnotesv@r
16638             \bidii@init@mult@footinsv@l
16639             \bidireinsert@footnotesv@l
16640         }{}{}%
16641         \bidi@patchcmd{\multi@column@out}{%
16642             \ifnum \c@tracingmulticols>\thr@@
16643         }{%
16644             \ifvoid\footinsv@r
16645             \ifvoid\footinsv@l
16646             \else
16647                 \PackageWarning{multicol}%

```



```

16648         {I moved some lines to
16649         the next page.\MessageBreak
16650         Footnotes on page
16651         \thepage\space might be wrong}%
16652     \fi
16653 \else
16654     \PackageWarning{multicol}%
16655     {I moved some lines to
16656     the next page.\MessageBreak
16657     Footnotes on page
16658     \thepage\space might be wrong}%
16659 \fi
16660 \ifnum \c@tracingmulticols>\thr@@
16661 }{}{}%
16662 \bidi@patchcmd{\endmulticols}{%
16663 \reinsert@footnotes
16664 }{}{}%
16665 \reinsert@footnotes
16666 \bidi@reinsert@footnotesv@r
16667 \bidi@reinsert@footnotesv@l
16668 }{}{}%
16669 \bidi@patchcmd{\speci@ls}{%
16670 \reinsert@footnotes
16671 }{}{}%
16672 \reinsert@footnotes
16673 \bidi@reinsert@footnotesv@r
16674 \bidi@reinsert@footnotesv@l
16675 }{}{}%
16676 \bidi@patchcmd{\speci@ls}{%
16677 \reinsert@footnotes
16678 }{}{}%
16679 \reinsert@footnotes
16680 \bidi@reinsert@footnotesv@r
16681 \bidi@reinsert@footnotesv@l
16682 }{}{}%
16683 }{}{}%
16684 \bidi@patchcmd{\multi@column@out}{%
16685 \ifvbox \@kludgeins
16686 }{}{}%
16687 \if@bidi@csdef{footinsv@l}{%
16688 \divide\skip\footinsv@r\col@number
16689 \ifvoid\footinsv@r \else
16690 \bidi@leave@mult@footins@vr
16691 \fi
16692 \divide\skip\footinsv@l\col@number
16693 \ifvoid\footinsv@l \else
16694 \bidi@leave@mult@footins@vl
16695 \fi
16696 }{}{}%
16697 \ifvoid\@bidi@copyins@ \else
16698 \bidi@leave@mult@copyins
16699 \fi
16700 \ifvbox \@kludgeins
16701 }{}{}%

```



16702 }

105 File multienum-xetex-bidi.def

```
16703 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
16704 \renewcommand{\itemx}[1]{\parbox[t]{%
16705 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16706 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
16707 \renewcommand{\itemxx}[2]{\parbox[t]{%
16708 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16709 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
16710 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16711 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
16712 \renewcommand{\itemxxx}[3]{\parbox[t]{%
16713 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16714 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
16715 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16716 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
16717 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16718 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
16719 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
16720 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16721 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
16722 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16723 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16724 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16725 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
16726 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16727 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
16728 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
16729 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16730 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
16731 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16732 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
16733 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16734 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
16735 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16736 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
16737 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16738 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
16739 \renewcommand{\itemxox}[2]{\parbox[t]{%
16740 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16741 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
16742 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16743 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
16744 \renewcommand{\itemxox}[2]{\parbox[t]{%
16745 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16746 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
16747 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16748 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
16749 \renewcommand{\itemxox}[3]{\parbox[t]{%
16750 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16751 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
16752 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
```




```

16753 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16754 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16755 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
16756 \renewcommand{\itemxxox}[3]{\parbox[t]{%
16757 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16758 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
16759 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16760 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
16761 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16762 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
16763 \renewcommand{\itemxxox}[3]{\parbox[t]{%
16764 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16765 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
16766 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16767 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16768 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16769 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

106 File natbib-xetex-bidi.def

```

16770 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
16771 \renewenvironment{thebibliography}[1]{%
16772 \bibsection
16773 \parindent\z@
16774 \bibpreamble
16775 \bibfont
16776 \if@RTL\if@LTR\bibitems\@RTLfalse\else\fi\else\if@RTL\bibitems\@RTLtrue\else\fi\fi
16777 \bidi@thebibliography@font@hook%
16778 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
16779 \ifNAT@openbib
16780 \renewcommand\newblock{\par}%
16781 \else
16782 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
16783 \fi
16784 \sloppy\clubpenalty4000\widowpenalty4000
16785 \sfcode\.\@m
16786 \let\NAT@bibitem@first@sw\@firstoftwo
16787 \let\citeN\cite \let\shortcite\cite
16788 \let\citeasnoun\cite
16789 }{%
16790 \bibitem@fin
16791 \bibpostamble
16792 \def\@noitemerr{%
16793 \PackageWarning{natbib}{Empty `thebibliography' environment}%
16794 }%
16795 \endlist
16796 \bibcleanup
16797 }%

```

107 File newfloat-xetex-bidi.def

```

16798 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package
16799 \renewcommand*\newfloat@setwithin[2]{%
16800 \ifcsname c@chapter\endcsname

```



```

16801 \@removefromreset{#1}{chapter}%
16802 \fi
16803 \@removefromreset{#1}{section}%
16804 \edef\@tempa{#2}%
16805 \ifx\@tempa\@empty
16806 \def\@tempa{none}%
16807 \fi
16808 \def\@tempb{none}%
16809 \ifx\@tempa\@tempb
16810 \ifcsname c@chapter\endcsname
16811 \chapterlistsgap@off{#1}%
16812 \fi
16813 \newfloat@@setwithin{#1}{\{}}%
16814 \else
16815 \def\@tempb{chapter}%
16816 \ifx\@tempa\@tempb
16817 \@addtoreset{#1}{chapter}%
16818 \@chapterlistsgap@on{#1}%
16819 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
16820 \else
16821 \def\@tempb{section}%
16822 \ifx\@tempa\@tempb
16823 \@addtoreset{#1}{section}%
16824 \ifcsname c@chapter\endcsname
16825 \@addtoreset{#1}{chapter}%
16826 \@chapterlistsgap@on{#1}%
16827 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
16828 \else
16829 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
16830 \fi
16831 \else
16832 \newfloat@Error{Invalid value `#2' for option `within'}%
16833 \fi
16834 \fi
16835 \fi}

```

108 File ntheorem-xetex-bidi.def

```

16836 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
16837 \gdef\@thm#1#2#3{%
16838 \if@thmmarks
16839 \stepcounter{end\InTheoType ctr}%
16840 \fi
16841 \renewcommand{\InTheoType}{#1}%
16842 \if@thmmarks
16843 \stepcounter{curr#1ctr}%
16844 \setcounter{end#1ctr}{0}%
16845 \fi
16846 \refstepcounter{#2}%
16847 \theorem@prework
16848 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
16849 \ifvmode \advance\thm@topsepadd\partopsep\fi
16850 \trivlist
16851 \@topsep \theorem@preskipamount

```



```

16852 \topsepadd \thm@topsepadd % used by \@endparenv
16853 \advance\linewidth -\theorem@indent
16854 \advance\@totalleftmargin \theorem@indent
16855 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
16856 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

109 File ntheorem-hyper-xetex-bidi.def

```

16857 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h
16858 \gdef\@thm#1#2#3{%
16859 \if@thmmarks
16860 \stepcounter{end\InTheoType ctr}%
16861 \fi
16862 \renewcommand{\InTheoType}{#1}%
16863 \if@thmmarks
16864 \stepcounter{curr#1ctr}%
16865 \setcounter{end#1ctr}{0}%
16866 \fi
16867 \refstepcounter{#2}%
16868 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
16869 \ifvmode \advance\thm@topsepadd\partopsep\fi
16870 \trivlist
16871 \@topsep \theorempreskipamount
16872 \topsepadd \thm@topsepadd % used by \@endparenv
16873 \advance\linewidth -\theorem@indent
16874 \advance\@totalleftmargin \theorem@indent
16875 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
16876 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

110 File overpic-xetex-bidi.def

```

16877 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
16878 \renewenvironment{overpic}[2][{}]{%
16879 \sbox{\z@}{\includegraphics[#1]{#2}}%
16880 \settodepth{\@tempcnta}{\usebox{\z@}}%
16881 \settoheight{\@tempcntb}{\usebox{\z@}}%
16882 \advance\@tempcntb\@tempcnta%
16883 \settowidth{\@tempcnta}{\usebox{\z@}}%
16884 \setlength{\@tempdima}{\unitlength}%
16885 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
16886 %
16887 \OVP@calc%
16888 %
16889 \begin{picture}(\@tempcnta,\@tempcntb)%
16890 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
16891 \ifGin@grid%
16892 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
16893 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
16894 \fi\fi%
16895 % reset the graphics parameter
16896 \let\Gin@outer@scalex\relax
16897 \let\Gin@outer@scaley\relax
16898 \let\Gin@angle\relax
16899 \let\Gin@ewidth\Gin@exclamation

```



```

16900 \let\Gin@eheight\Gin@ewidth
16901 \def\Gin@scalex{1}
16902 \let\Gin@scaley\Gin@exclamation
16903 }{%
16904 \if@RTL\ifGin@grid%
16905 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
16906 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
16907 \fi%
16908 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
16909 \end{picture}%
16910 }%

```

111 File pdfbase-xetex-bidi.def

```

16911 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
16912 \ExplSyntaxOn
16913 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
16914 \cs_set_nopar:Npn\@outputpage{
16915 \int_gincr:N\g_pbs_page_int
16916 \box_if_vertical:cTF{\outputbox}{
16917 \bool_set_true:N\l_pbs_is_vertical_bool
16918 }{
16919 \bool_set_false:N\l_pbs_is_vertical_bool
16920 }
16921 \hbox_set:Nn\@outputbox{
16922 %begin of page
16923 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
16924 \box_use_drop:N\@outputbox
16925 %end of page
16926 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
16927 }
16928 \bool_if:NT\l_pbs_is_vertical_bool{
16929 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
16930 }
16931 \pbs_outputpage_orig:
16932 }
16933 \ExplSyntaxOff

```

112 File pdfscape-xetex-bidi.def

```

16934 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
16935 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
16936 \if@RTL
16937 \PLS@Rotate{-90}%
16938 \else
16939 \PLS@Rotate{90}%
16940 \fi
16941 }{}{}

```

113 File pdfpages-xetex-bidi.def

```

16942 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package
16943 \renewcommand*{\includepdf}[2] [] {%
16944 \begingroup

```



```

16945 \@RTLfalse
16946 \let\AM@threadname\relax
16947 \AM@split@options{pdfpages}{#1}%
16948 \edef\AM@temp{\pdfpages{\the\@temptokena}}%
16949 \expandafter\setkeys\AM@temp
16950 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
16951   \let\AM@currentdocname\relax
16952   \renewcommand\includegraphics[2][]{Survey in draft-mode}%
16953   \def\AM@pagecount{0}%
16954 }{%
16955   \AM@findfile{#2}%
16956   \if\AM@threadname\relax
16957     \def\AM@threadname{\AM@currentdocname}%
16958   \fi
16959 }%
16960 \ifAM@survey
16961   \def\AM@pagestemp{}%
16962   \@tempcnta=0
16963   \def\foo{%
16964     \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
16965     {\let\foo\relax}
16966     {\expandafter\ifx\expandafter\\AM@pagestemp\\
16967       \edef\AM@pagestemp{%
16968         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
16969       \else
16970         \edef\AM@pagestemp{\AM@pagestemp,%
16971           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
16972       \fi
16973       \advance\@tempcnta 1\relax
16974     }%
16975     \foo
16976   }%
16977   \foo
16978   \expandafter\ifx\expandafter\\AM@pagestemp\\
16979   \def\AM@pagestemp{1}%
16980   \fi
16981 \fi
16982 \ifAM@output
16983   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
16984   \AM@output{#1}%
16985 \fi
16986 \AM@CheckAtEnd
16987 \endgroup
16988 \AM@ClearShipoutPicture
16989 }

```

114 File pgfcorescopes.code-xetex-bidi.def

```

16990 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
16991 \def\pgfpicture{%
16992   \begingroup%
16993   \ifmmode\else\@RTLfalse\beginL\fi%
16994   \pgfpicturetrue%
16995   \global\advance\pgf@picture@serial@count by1\relax%

```



```

16996 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
16997 \let\pgf@nodecallback=\pgfutil@gobble%
16998 \pgf@picmaxx=-16000pt\relax%
16999 \pgf@picminx=16000pt\relax%
17000 \pgf@picmaxy=-16000pt\relax%
17001 \pgf@picminy=16000pt\relax%
17002 \pgf@relevantforpicturesizetrue%
17003 \pgf@resetpathsizes%
17004 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
17005 \def\endpgfpicture{%
17006     \ifpgfrememberpicturerepositiononpage%
17007         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
17008     \fi%
17009     % ok, now let's position the box
17010     \ifdim\pgf@picmaxx=-16000pt\relax%
17011         % empty picture. make size 0.
17012         \global\pgf@picmaxx=0pt\relax%
17013         \global\pgf@picminx=0pt\relax%
17014         \global\pgf@picmaxy=0pt\relax%
17015         \global\pgf@picminy=0pt\relax%
17016     \fi%
17017     % Shift baseline outside:
17018     \pgf@relevantforpicturesizefalse%
17019     \pgf@process{\pgf@baseline}%
17020     \xdef\pgf@shift@baseline{\the\pgf@y}%
17021     %
17022     \pgf@process{\pgf@trimleft}%
17023     \global\advance\pgf@x by-\pgf@picminx
17024     % prepare \hskip\pgf@trimleft@final.
17025     % note that \pgf@trimleft@final is also queried
17026     % by the pgf image externalization.
17027     \xdef\pgf@trimleft@final{-\the\pgf@x}%
17028     %
17029     \pgf@process{\pgf@trimright}%
17030     \global\advance\pgf@x by-\pgf@picmaxx
17031     % prepare \hskip\pgf@trimright@final.
17032     % note that \pgf@trimright@final is also queried
17033     % by the pgf image externalization.
17034     \xdef\pgf@trimright@final{\the\pgf@x}%
17035     %
17036     \pgf@remember@layerlist@globally
17037     \endgroup%
17038     \hss%
17039     \egroup%
17040     \pgf@restore@layerlist@from@global
17041     \pgf@insertlayers%
17042     \endgroup%
17043     \pgfsys@discardpath%
17044     \endgroup%
17045     \pgfsys@endscope%
17046     \pgfsys@endpicture%
17047     \endgroup%
17048     \hss
17049 \egroup%

```



```

17050 \pgfsys@typesetpicturebox\pgfpic%
17051 \ifmmode\else\endL\fi%
17052 \endgroup%
17053 }

```

115 File pgfsys.code-xetex-bidi.def

```

17054 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
17055 \def\pgfsys@shadingoutsidepgfpicture#1{%
17056 \beginL#1\endL%
17057 }
17058
17059

```

116 File picinpar-xetex-bidi.def

```

17060 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
17061 \long\def\@makewincaption#1#2{%
17062 \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
17063 \ifdim\wd\@tempboxa>\picwd
17064 {\footnotesize{\bf #1:\enspace}{#2\par}}
17065 \else
17066 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
17067 \fi}
17068 \def\endwindow{%
17069 \global\tcd=\tcdsav
17070 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
17071 \vbadness=10000
17072 \splittopskip=0pt
17073 %
17074 % Typeset the lines above the window
17075 %
17076 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
17077 \tcn=\tcd
17078 \loop\advance\tcn -1
17079 \setbox\fslice=\vsplit\holder to\baselineskip
17080 \prune\fslice\linewidth
17081 \topheight=0pt
17082 \ifnum\dp\fslice>\dp\wstrutbox
17083 \advance\topheight-\dp\fslice
17084 \advance\topheight\dp\wstrutbox
17085 \advance\topheight\ilg\fi
17086 \hbox to\linewidth{\box\fslice}
17087 \vskip-\topheight
17088 \ifdim\ht\holder>0pt\repeat
17089 \fi
17090 %
17091 % Now we build the boxes beside the window
17092 %
17093 \global\topheight=\tcl\baselineskip
17094 \ifnum\cumpartcl>0\global\tcl=\cumtcl
17095 \global\topheight=\vpic
17096 \fi
17097 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi

```



```

17098 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
17099 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
17100 \tcn=\tcl \na=0 \nb=0
17101 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
17102 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
17103 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
17104 \ifnum\na=0\ifnum\nb=0
17105     \setbox\waslice=\vbox to\vpic{\vss}
17106     \setbox\wbslice=\vbox to\vpic{\vss}
17107     \bl=1\br=1
17108     \vskip\ilg
17109 \fi\fi
17110 %
17111 % both sides
17112 %
17113 \ifnum\na>0 \ifnum\nb>0
17114 \loop\advance\nb -1
17115 \advance\na -1
17116 \if@RTL%
17117 \setbox\bslice=\vsplit\holder to\baselineskip
17118 \prune\bslice\rtside
17119 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17120 to\rtside{\box\bslice\hfil}}
17121 \setbox\aslice=\vsplit\holder to\baselineskip
17122 \prune\aslice\lftside
17123 \setbox\waslice=\vbox{\unvbox\waslice\hbox
17124 to\lftside{\box\aslice\hfil}}
17125 \else%
17126 \setbox\aslice=\vsplit\holder to\baselineskip
17127 \prune\aslice\lftside
17128 \setbox\waslice=\vbox{\unvbox\waslice\hbox
17129 to\lftside{\box\aslice\hfil}}
17130 \setbox\bslice=\vsplit\holder to\baselineskip
17131 \prune\bslice\rtside
17132 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17133 to\rtside{\box\bslice\hfil}}
17134 \fi%
17135 \ifnum\nb>0\repeat
17136 \fi\fi
17137 %
17138 % only text on the left side
17139 %
17140 \ifnum\na>0
17141     \loop\advance\na -1
17142     \setbox\aslice=\vsplit\holder to\baselineskip
17143     \prune\aslice\lftside
17144     \setbox\waslice=\vbox{\unvbox\waslice\hbox
17145 to\lftside{\box\aslice\hfil}}
17146     \ifdim\ht\holder>0pt\repeat
17147 \fi
17148 %
17149 % only text on the right side
17150 %
17151 \ifnum\nb>0

```




```

17152 \loop\advance\nb -1
17153 \setbox\bslice=\vsplit\holder to\baselineskip
17154 \prune\bslice\rtside
17155 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17156 to\rtside{\box\bslice\hfil}}
17157 \ifdim\ht\holder>0pt\repeat
17158 \fi
17159 %
17160 % fixing the dimensions of the window part
17161 %
17162 \ifnum\bl=0\topheight=\ht\wbslice
17163 \else\ifnum\br=0\topheight=\ht\waslice
17164 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
17165 \else\topheight=\ht\wbslice\fi\fi\fi
17166 %
17167 % ship out the window material to the main vertical list
17168 %
17169 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
17170 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
17171 \fi\fi\fi
17172 \setbox>windowbox=\vbox{\hbox to\linewidth{%
17173 \ifnum\bl>0\box\waslice\hfill\fi%
17174 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
17175 \vfill\unvbox\picbox%
17176 \ifnum\picwd>0\vfill\fi%
17177 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
17178 \unvbox>windowbox%
17179 \loop
17180 \setbox\bslice=\vsplit\rawtext to\baselineskip
17181 \prune\bslice\linewidth
17182 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
17183 \unvbox\wbslice
17184 \ifdim\ht\rawtext>0pt
17185 \repeat
17186 }% FINITO

```

117 File plain-xetex-bidi.def

```

17187 \def\TeXXeTOn{\TeXXeTstate=1 }
17188 \def\TeXXeTOff{\TeXXeTstate=0 }
17189 \TeXXeTOn
17190 \def\usebox#1{\leavevmode\copy #1\relax}
17191 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
17192 \let\bidi@o@everypar=\everypar
17193 \newtoks\bidi@n@everypar
17194 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
17195 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
17196 \let\everypar=\bidi@n@everypar
17197 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17198 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17199 \protected\def\hboxR{\hbox\bgroup
17200 \everyhbox{%
17201 \aftergroup\egroup
17202 \everyhbox{}}%

```



```

17203 \beginR
17204 \@hboxRconstructtrue
17205 \bgroup
17206 \aftergroup\endR
17207 \aftergroup\egroup
17208 }\hbox}
17209 \protected\def\hboxL{\hbox\bgroup
17210 \everyhbox{%
17211 \aftergroup\egroup
17212 \everyhbox}%
17213 \beginL
17214 \@hboxRconstructfalse
17215 \bgroup
17216 \aftergroup\endL
17217 \aftergroup\egroup
17218 }\hbox}
17219 \protected\def\vboxR{\vbox\bgroup
17220 \everyvbox{%
17221 \aftergroup\egroup
17222 \everyvbox}%
17223 \@RTLtrue
17224 \bgroup
17225 \aftergroup\egroup
17226 }\vbox}
17227 \protected\def\vboxL{\vbox\bgroup
17228 \everyvbox{%
17229 \aftergroup\egroup
17230 \everyvbox}%
17231 \@RTLfalse
17232 \bgroup
17233 \aftergroup\egroup
17234 }\vbox}
17235 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
17236 \def\endLTR{\par}
17237 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
17238 \def\endRTL{\par}
17239 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
17240 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
17241 \let\unsetRTL=\setLTR
17242 \let\unsetLTR=\setRTL
17243 \let\LR=\LRE
17244 \let\RL=\RLE
17245 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
17246 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
17247 \let\@ensure@RL=\@ensure@RTL
17248 \let\@ensure@LR=\@ensure@LTR
17249 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17250 \let\@ensure@maindir=\@ensure@dir
17251 \def\@RTL{RTL}
17252 \def\@LTR{LTR}
17253 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
17254 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
17255 \let\@TeX\TeX
17256 \def\TeX{\@ensure@LTR{\@TeX}}

```



```

17257 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
17258 \dimen@=\dp\cclv \unvbox\cclv % open up \box255
17259 \ifvoid\footins\else % footnote info is present
17260 \vskip\skip\footins
17261 \footnoterule
17262 \unvbox\footins\fi
17263 \ifrggedbottom \kern-\dimen@ \vfil \fi
17264 \ifvoid\@bidi@copyins@
17265 \else
17266 \vskip\skip\@bidi@copyins@
17267 \unvbox\@bidi@copyins@
17268 \fi
17269 }
17270 \long\def\@bidi@reflect@box#1{%
17271 \leavevmode
17272 \setbox\z@\hbox{#1}%
17273 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
17274 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
17275 }
17276 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
17277 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
17278 \let\setRL=\setRTL
17279 \let\setLR=\setLTR
17280 \let\unsetRL=\setLTR
17281 \let\@bidi@samed@eqno=\eqno
17282 \let\@bidi@samed@leqno=\leqno
17283 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@leqno \else \@bidi@samed@eqno \fi}
17284 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@eqno \else \@bidi@samed@leqno \fi}
17285 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
17286 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
17287 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

118 File pstricks-xetex-bidi.def

```

17288 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
17289 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\begingroup\pst@ifstar\pst@picture}
17290 \def\endpspicture{%
17291 \ifshowgrid\ifnum\showgridp>0
17292 \psgrid[xunit=\sh@wgridxunit,yunit=\sh@wgridyunit,style=gridstyle]\fi\fi%
17293 \pst@killglue
17294 % \global\pst@shift=\pst@shift% in fact of the following endgroup
17295 \endgroup
17296 \egroup
17297 \ifdim\wd\pst@hbox=\z@\else
17298 %\@pstrickserr{Extraneous space in the pspicture environment}%
17299 %\Type \space <return> \space to proceed.}%
17300 \fi
17301 \ht\pst@hbox=\pst@dimd
17302 \dp\pst@hbox=-\pst@dimb
17303 \setbox\pst@hbox=\hbox{%
17304 \kern-\pst@dimd
17305 % Orig version -----
17306 %\ifx\pst@tempa\@empty\else
17307 %\advance\pst@dimd-\pst@dimb

```



```

17308 %\pst@dimd=\pst@tempa\pst@dimd
17309 %\advance\pst@dimd\pst@dimb
17310 %\lower\pst@dimd
17311 %\fi
17312 %----- end Orig
17313 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
17314 \advance\pst@dimd-\pst@dimb
17315 \pst@dimd=0.5\pst@dimd
17316 \else\pst@dimd-\pst@shift\fi
17317 \advance\pst@dimd\pst@dimb
17318 \lower\pst@dimd
17319 \box\pst@hbox
17320 \kern\pst@dimc}%
17321 \ifstar\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
17322 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
17323 \fboxsep=0pt
17324 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
17325 \ifmmode\else\endL\fi
17326 \endgroup%
17327 \psset[pstricks]{shift=0}% reset value
17328 }

```

119 File quotchap-xetex-bidi.def

```

17329 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
17330 \renewcommand{\qauthor}[1]{%
17331 \par\smallskip
17332 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
17333 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
17334 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
17335 {\chapnumfont
17336 \ifnum \c@secnumdepth >\m@ne%
17337 \if@mainmatter\thechapter%
17338 \fi\fi
17339 \par\nobreak}%
17340 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
17341 \nobreak\chapterheadendvskip}}
17342 \renewcommand*{\@iprintcites}{%
17343 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
17344 \global\let\@printcites\relax}

```

120 File ragged2e-xetex-bidi.def

```

17345 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
17346 \renewcommand{\Centering}{%
17347 \ifx\\ \@raggedtwoe@savedcr
17348 \let\\ \@centercr
17349 \fi
17350 \let\@gnewline\@raggedtwoe@gnewline
17351 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
17352 \@rightskip\CenteringRightskip
17353 \if@RTL\leftskip\else\rightskip\fi\@rightskip
17354 \parfillskip\CenteringParfillskip
17355 \parindent\CenteringParindent

```



```

17356 \@raggedtwo@spaceskiptrue
17357 \@raggedtwo@everyselectfont
17358 }
17359 \renewcommand{\RaggedLeft}{%
17360 \ifx\\ \@raggedtwo@savedcr
17361 \let\\ @centercr
17362 \fi
17363 \let@gnewline \@raggedtwo@gnewline
17364 \if@RTL\righskip\else\leftskip\fi\RaggedLeftLeftskip
17365 \@rightskip\RaggedLeftRightskip
17366 \if@RTL\leftskip\else\righskip\fi@rightskip
17367 \parfillskip\RaggedLeftParfillskip
17368 \parindent\RaggedLeftParindent
17369 \@raggedtwo@spaceskiptrue
17370 \@raggedtwo@everyselectfont
17371 }
17372 \renewcommand{\RaggedRight}{%
17373 \ifx\\ \@raggedtwo@savedcr
17374 \let\\ @centercr
17375 \fi
17376 \let@gnewline \@raggedtwo@gnewline
17377 \if@RTL\righskip\else\leftskip\fi\RaggedRightLeftskip
17378 \@rightskip\RaggedRightRightskip
17379 \if@RTL\leftskip\else\righskip\fi@rightskip
17380 \parfillskip\RaggedRightParfillskip
17381 \parindent\RaggedRightParindent
17382 \@raggedtwo@spaceskiptrue
17383 \@raggedtwo@everyselectfont
17384 }
17385 \renewcommand{\justifying}{%
17386 \let\\ \@raggedtwo@savedcr
17387 \let@gnewline \@raggedtwo@saved@gnewline
17388 \if@RTL\righskip\else\leftskip\fi\z@
17389 \@rightskip\z@
17390 \if@RTL\leftskip\else\righskip\fi@rightskip
17391 \parfillskip\JustifyingParfillskip
17392 \parindent\JustifyingParindent
17393 \@raggedtwo@spaceskipfalse
17394 \@raggedtwo@everyselectfont
17395 }
17396 \def\@raggedtwo@raggedrightboxes@opt{%
17397 \renewcommand{\@arrayparboxrestore}{%
17398 \let\if@nobreak\iffalse
17399 \let\if@noskipsec\iffalse
17400 \let\par\@par
17401 \let\-\@dischyp
17402 \let'\@acci\let`\@accii\let\=@acciii
17403 \parskip\z@skip
17404 \everypar{}%
17405 \linewidth\hsize
17406 \@totalleftmargin\z@
17407 \if@RTL
17408 \RaggedLeft
17409 \else

```



```

17410     \RaggedRight
17411     \fi
17412     \lineskip\normallineskip
17413     \baselineskip\normalbaselineskip
17414     \sloppy}%
17415 \let\@raggedtwoe@raggedrightboxes@opt\relax
17416 }
17417 \def\@raggedtwoe@document@opt{%
17418 \AtBeginDocument{\@raggedtwoe@abdhook}%
17419 \@raggedtwoe@raggedrightboxes@opt
17420 \@raggedtwoe@footmisctrue
17421 \let\@raggedtwoe@document@opt\relax
17422 }
17423 \def\@raggedtwoe@abdhook{%
17424 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
17425 right to left documents and '\string\RaggedRight' for left
17426 to right documents}%
17427 \ifRTL
17428 \RaggedLeft
17429 \else
17430 \RaggedRight
17431 \fi
17432 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
17433 \let\@raggedtwoe@abdhook\relax
17434 }
17435 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
17436 \@raggedtwoe@raggedrightboxes@opt
17437 }{}
17438 \@ifpackagewith{ragged2e}{document}{%
17439 \@raggedtwoe@document@opt
17440 }{}
17441 \let\origin@RaggedLeft=\RaggedLeft
17442 \let\origin@RaggedRight=\RaggedRight
17443 \def\RaggedLeft{\ifRTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
17444 \def\RaggedRight{\ifRTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

121 File rapport1-xetex-bidi.def

```

17445 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
17446 \renewenvironment{theindex}{%
17447 \if@twocolumn
17448 \@restonecolfalse
17449 \else
17450 \@restonecoltrue
17451 \fi
17452 \columnseprule \z@
17453 \columnsep 35\p@
17454 \twocolumn[\@makeschapterhead{\indexname}]{%
17455 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
17456 \thispagestyle{plain}\parindent\z@
17457 \parskip\z@ \@plus .3\p@\relax
17458 \let\item\@idxitem
17459 }{%
17460 \if@restonecol\onecolumn\else\clearpage\fi}

```



```

17461 \renewcommand*\head@style{%
17462     \interlinepenalty \@M
17463     \hyphenpenalty=\@M \exhyphenpenalty=\@M
17464     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
17465 \if@titlepage
17466     \renewenvironment{abstract}{%
17467         \titlepage
17468         \null\vfil
17469         \section*{\SectFont\abstractname}%
17470         \noindent\ignorespaces}
17471     {\par\vfil\null\endtitlepage}
17472 \else
17473     \renewenvironment{abstract}{%
17474         \if@twocolumn
17475             \section*{\abstractname}%
17476         \else
17477             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
17478             \section*{\small\SectFont\abstractname}%
17479             \noindent\ignorespaces
17480             \fi}
17481     {\if@twocolumn\else\par\egroup\fi}
17482 \fi
17483 \renewcommand*\@regtocline[3]{%
17484     \ifnum #1>\c@tocdepth
17485     \else
17486         \vskip\z@ \@plus.2\p@
17487         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
17488         \if@RTL\rightskip\else\leftskip\fi\unitindent
17489         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
17490         \parfillskip\z@
17491         \@tempdima\unitindent
17492         \parindent\z@
17493         \leavevmode
17494         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
17495         \hskip 1em \nobreak{\slshape #3}\par
17496         }%
17497     \fi}
17498 \if@oldtoc
17499 \renewcommand*\l@part[2]{%
17500     \ifnum \c@tocdepth >-2\relax
17501         \addpenalty{-\@highpenalty}%
17502         \addvspace{2.25em \@plus\p@}%
17503         \begingroup
17504             \setlength\@tempdima{3em}%
17505             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17506             \parfillskip -\@pnumwidth
17507             {\leavevmode
17508             \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17509             \nobreak
17510             \global\@nobreaktrue
17511             \everypar{\global\@nobreakfalse\everypar{}}%
17512         \endgroup
17513     \fi}
17514 \else

```



```

17515 \renewcommand*\l@part{%
17516 \ifnum \c@tocdepth >-2\relax
17517 \addpenalty{-\@highpenalty}%
17518 \addvspace{2.25em \@plus \p@}%
17519 \@regtocline{0}%
17520 \fi}
17521 \fi
17522 \if@oldtoc
17523 \renewcommand*\l@chapter[2]{%
17524 \addpenalty{-\@highpenalty}%
17525 \vskip 1.0em \@plus \p@
17526 \setlength\@tempdima{1.5em}%
17527 \begingroup
17528 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17529 \parfillskip -\@pnumwidth
17530 \leavevmode \bfseries
17531 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
17532 \hskip -\if@RTL\rightskip\else\leftskip\fi
17533 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17534 \penalty\@highpenalty
17535 \endgroup}
17536 \else
17537 \renewcommand*\l@chapter{\@regtocline{0}}
17538 \fi
17539 \renewcommand*\left@footnoterule{%
17540 \kern-3\p@
17541 \kern.5\baselineskip
17542 \hrule\@width\unitindent
17543 \kern.4\baselineskip
17544 }
17545 \renewcommand*\right@footnoterule{%
17546 \kern-3\p@
17547 \kern.5\baselineskip
17548 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
17549 \kern.4\baselineskip}
17550 \renewenvironment{thebibliography}[1]
17551 {\chapter*{\bibname}%
17552 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17553 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17554 \bidi@thebibliography@font@hook%
17555 \list{\@biblabel{\@arabic\c@enumiv}}%
17556 {\settowidth\labelwidth{\@biblabel{#1}}%
17557 \leftmargin\labelwidth
17558 \advance\leftmargin\labelsep
17559 \@openbib@code
17560 \usecounter{enumiv}%
17561 \let\p@enumiv\@empty
17562 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
17563 \sloppy\clubpenalty4000\widowpenalty4000%
17564 \sfcode`. \@m}
17565 {\def\@noitemerr
17566 {\@latex@warning{Empty `thebibliography' environment}}%
17567 \endlist}
17568 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}

```




```

17569 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17570 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
17571 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17572 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
17573 \renewcommand*\theequation{%
17574   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
17575 \renewcommand*\thefigure{%
17576   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
17577 \renewcommand*\thetable{%
17578   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
17579 \if@titlepage
17580 \renewcommand*\TitleFont{\rmfamily}
17581 \renewcommand*\maketitle{%
17582   \begin{titlepage}%
17583     \let\footnotesize\small
17584     \let\right@footnoterule\relax
17585     \let\left@footnoterule\relax
17586     \let\textwidth\footnoterule\relax
17587     \let \footnote \thanks
17588     \long\def\@makefntext##1{\parindent\z@
17589       \def\labelitemi{\textendash}\@revlabeltrue
17590       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
17591     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17592     \if@compatibility\setcounter{page}{0}\fi
17593     \null\vfil
17594     \vskip 60\p@
17595     \begin{center}%
17596       \TitleFont
17597       {\LARGE \def\\{\penalty -\@M}
17598         \if@allcaps
17599           \expandafter\uc@nothanks\@title\thanks\relax
17600         \else
17601           \@title
17602         \fi\par}%
17603       \vskip 3em%
17604       {\large
17605         \lineskip .75em \parindent\z@
17606         \begin{tabular}[t]{c}%
17607           \if@allcaps
17608             \expandafter\uc@authornothanks\@author\and\relax
17609           \else
17610             \@author
17611           \fi
17612         \end{tabular}\par}%
17613       \vskip 1.5em%
17614       {\large
17615         \if@allcaps
17616           \uppercase\expandafter{\@date}%
17617         \else
17618           \@date
17619         \fi\par}%
17620       \end{center}\par
17621     \@thanks
17622     \vfil\null

```



```

17623 \end{titlepage}%
17624 \setcounter{footnote}{0}%
17625 \global\let\thanks\relax
17626 \global\let\maketitle\relax
17627 \global\let\@thanks\@empty
17628 \global\let\@author\@empty
17629 \global\let\@title\@empty
17630 \global\let\@date\@empty
17631 \global\let\title\relax
17632 \global\let\author\relax
17633 \global\let\date\relax
17634 \global\let\and\relax
17635 }
17636 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
17637 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
17638 \futurelet\@tempa\uc@ax}
17639 \def\uc@ax{%
17640 \ifx\@tempa\relax
17641 \else
17642 \ \andname \ \expandafter\uc@authornothanks
17643 \fi}
17644 \def\uc@tx{\ifx\@tempa\relax
17645 \else \expandafter\uc@ty \fi}
17646 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
17647 \else
17648 \renewcommand*\maketitle{\par
17649 \begingroup
17650 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17651 \def\@makefnmark{\rlap{%
17652 \textsuperscript{\normalfont\@thefnmark}}}%
17653 \long\def\@makefntext{\@xmakefntext{%
17654 \textsuperscript{\normalfont\@thefnmark}}}%
17655 \if@twocolumn
17656 \ifnum \col@number=\@ne
17657 \maketitle
17658 \else
17659 \twocolumn[\maketitle]%
17660 \fi
17661 \else
17662 \newpage
17663 \global\@topnum\z@
17664 \maketitle
17665 \fi
17666 \thispagestyle{plain}\@thanks
17667 \endgroup
17668 \setcounter{footnote}{0}%
17669 \global\let\thanks\relax
17670 \global\let\maketitle\relax
17671 \global\let\@maketitle\relax
17672 \global\let\@thanks\@empty
17673 \global\let\@author\@empty
17674 \global\let\@title\@empty
17675 \global\let\@date\@empty
17676 \global\let\title\relax

```



```

17677 \global\let\author\relax
17678 \global\let\date\relax
17679 \global\let\and\relax
17680 }
17681 \def\@maketitle{%
17682 \newpage
17683 \null
17684 \vskip 2em%
17685 \begin{center}%
17686 \let \footnote \thanks
17687 {\LARGE \TitleFont \@title \par}%
17688 \vskip 1.5em%
17689 {\large \TitleFont
17690 \lineskip .5em%
17691 \begin{tabular}[t]{c}%
17692 \@author
17693 \end{tabular}\par}%
17694 \vskip 1em%
17695 {\large \TitleFont \@date}%
17696 \end{center}%
17697 \par
17698 \vskip 1.5em}
17699 \fi

```

122 File rapport3-xetex-bidi.def

```

17700 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
17701 \renewenvironment{theindex}{%
17702 \if@twocolumn
17703 \@restonecolfalse
17704 \else
17705 \@restonecoltrue
17706 \fi
17707 \columnseprule \z@
17708 \columnsep 35\p@
17709 \twocolumn[\@makeschapterhead{\indexname}]%
17710 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
17711 \thispagestyle{plain}\parindent\z@
17712 \parskip\z@ \@plus .3\p@\relax
17713 \let\item\@idxitem
17714 }{%
17715 \if@restonecol\onecolumn\else\clearpage\fi}
17716 \if@titlepage
17717 \renewcommand*\TitleFont{\rmfamily}
17718 \renewcommand*\maketitle{%
17719 \begin{titlepage}%
17720 \let\footnotesize\small
17721 \let\right@footnoterule\relax
17722 \let\left@footnoterule\relax
17723 \let\textwidth\footnoterule\relax
17724 \let \footnote \thanks
17725 \let \LTRfootnote \LTRthanks
17726 \let \RTLfootnote \RTLthanks
17727 \long\def\@makefntext##1{\parindent\z@

```



```

17728         \def\labelitemi{\textendash}\@revlabeltrue
17729         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
17730     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17731     \if@compatibility\setcounter{page}{0}\fi
17732     \null\vfil
17733     \vskip 60\p@
17734     \begin{center}%
17735         \TitleFont
17736         {\LARGE \def\{\{\penalty -\@M}
17737         \if@allcaps
17738             \expandafter\uc@nothanks\@title\thanks\relax
17739         \else
17740             \@title
17741             \fi\par}%
17742     \vskip 3em%
17743     {\large
17744         \lineskip .75em \parindent\z@
17745         \begin{tabular}[t]{c}%
17746             \if@allcaps
17747                 \expandafter\uc@authornothanks\@author\and\relax
17748             \else
17749                 \@author
17750             \fi
17751         \end{tabular}\par}%
17752     \vskip 1.5em%
17753     {\large
17754         \if@allcaps
17755             \uppercase\expandafter{\@date}%
17756         \else
17757             \@date
17758         \fi\par}%
17759     \end{center}\par
17760     \@thanks
17761     \vfil\null
17762     \end{titlepage}%
17763     \setcounter{footnote}{0}%
17764     \global\let\thanks\relax
17765     \global\let\LTRthanks\relax
17766     \global\let\RTLthanks\relax
17767     \global\let\maketitle\relax
17768     \global\let\@thanks\@empty
17769     \global\let\@author\@empty
17770     \global\let\@title\@empty
17771     \global\let\@date\@empty
17772     \global\let\title\relax
17773     \global\let\author\relax
17774     \global\let\date\relax
17775     \global\let\and\relax
17776 }
17777 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
17778 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
17779     \futurelet\@tempa\uc@ax}
17780 \def\uc@ax{%
17781     \ifx\@tempa\relax

```



```

17782 \else
17783   \\\andname \\\expandafter\uc@authornothanks
17784 \fi}
17785 \def\uc@tx{\ifx\@tempa\relax
17786   \else \expandafter\uc@ty \fi}
17787 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
17788 \else
17789 \renewcommand*\maketitle{\par
17790 \begin{group}
17791   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17792   \def\@makefnmark{\rlap{%
17793     \@textsuperscript{\normalfont\@thefnmark}}}%
17794   \long\def\@makefnmark{\@xmakefnmark}%
17795   \@textsuperscript{\normalfont\@thefnmark}}}%
17796   \if@twocolumn
17797     \ifnum \col@number=\@ne
17798       \@maketitle
17799     \else
17800       \twocolumn[\@maketitle]%
17801     \fi
17802   \else
17803     \newpage
17804     \global\@topnum\z@
17805     \@maketitle
17806   \fi
17807   \thispagestyle{plain}\@thanks
17808 \end{group}
17809 \setcounter{footnote}{0}%
17810 \global\let\thanks\relax
17811 \global\let\LTRthanks\relax
17812 \global\let\RTLthanks\relax
17813 \global\let\maketitle\relax
17814 \global\let\@maketitle\relax
17815 \global\let\@thanks\@empty
17816 \global\let\@author\@empty
17817 \global\let\@title\@empty
17818 \global\let\@date\@empty
17819 \global\let\title\relax
17820 \global\let\author\relax
17821 \global\let\date\relax
17822 \global\let\and\relax
17823 }
17824 \def\@maketitle{%
17825 \newpage
17826 \null
17827 \vskip 2em%
17828 \if@titlecentered
17829 \begin{center}%
17830 \let \footnote \thanks
17831 \let \LTRfootnote \LTRthanks
17832 \let \RTLfootnote \RTLthanks
17833 {\LARGE \TitleFont \@title \par}%
17834 \vskip 1.5em%
17835 {\large \TitleFont

```



```

17836     \lineskip .5em%
17837     \begin{tabular}[t]{c}%
17838         \@author
17839     \end{tabular}\par}%
17840     \vskip 1em%
17841     {\large \TitleFont \@date}%
17842 \end{center}%
17843 \else
17844     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
17845     {\large \TitleFont \lineskip .5em \tabcolsep\z@
17846         \def\and{%% \begin{tabular} has already started
17847             \end{tabular}\hskip 1em plus .17fil
17848             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
17849             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
17850         \vskip 1em {\large \TitleFont \@date}
17851 \fi
17852 \par
17853 \vskip 1.5em}
17854 \fi
17855 \renewcommand*\@regtocline[3]{%
17856     \ifnum #1>\c@tocdepth
17857     \else
17858         \vskip\z@\@plus.2\p@
17859         {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
17860             \if@RTL\righskip\else\leftskip\fi\unitindent
17861             \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
17862             \parfillskip\z@
17863             \@tempdima\unitindent
17864             \parindent\z@
17865             \leavevmode
17866             \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
17867             \hskip 1em \nobreak{\slshape #3}\par
17868         }%
17869     \fi}
17870 \if@oldtoc
17871 \renewcommand*\l@part[2]{%
17872     \ifnum \c@tocdepth >-2\relax
17873         \addpenalty{-\@highpenalty}%
17874         \addvspace{2.25em \@plus\p@}%
17875         \begingroup
17876             \setlength\@tempdima{3em}%
17877             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
17878             \parfillskip -\@pnumwidth
17879             {\leavevmode
17880                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17881                 \nobreak
17882                 \global\@nobreaktrue
17883                 \everypar{\global\@nobreakfalse\everypar{}}%
17884             \endgroup
17885     \fi}
17886 \else
17887     \renewcommand*\l@part{%
17888         \ifnum \c@tocdepth >-2\relax
17889             \addpenalty{-\@highpenalty}%

```



```

17890     \addvspace{2.25em \@plus \p@}%
17891     \@regtocline{0}%
17892   \fi}
17893 \fi
17894 \if@oldtoc
17895 \renewcommand*\l@chapter[2]{%
17896   \addpenalty{-\@highpenalty}%
17897   \vskip 1.0em \@plus\p@
17898   \setlength\@tempdima{1.5em}%
17899   \begingroup
17900   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17901   \parfillskip -\@pnumwidth
17902   \leavevmode \bfseries
17903   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17904   \hskip -\if@RTL\rightskip\else\leftskip\fi
17905   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17906   \penalty\@highpenalty
17907   \endgroup}
17908 \else
17909 \renewcommand*\l@chapter{\@regtocline{0}}
17910 \fi
17911 \renewcommand*\head@style{%
17912   \interlinepenalty \@M
17913   \hyphenpenalty=\@M \exhyphenpenalty=\@M
17914   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
17915 \if@titlepage
17916 \renewenvironment{abstract}{%
17917   \titlepage
17918   \null\vfil
17919   \section*{\SectFont\abstractname}%
17920   \noindent\ignorespaces}
17921   {\par\vfil\null\endtitlepage}
17922 \else
17923 \renewenvironment{abstract}{%
17924   \if@twocolumn
17925     \section*{\abstractname}%
17926   \else
17927     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
17928     \section*{\small\SectFont\abstractname}%
17929     \noindent\ignorespaces
17930   \fi}
17931   {\if@twocolumn\else\par\egroup\fi}
17932 \fi
17933 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
17934 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17935 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
17936 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17937 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
17938 \renewcommand*\thefigure{%
17939   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
17940 \renewcommand*\thetable{%
17941   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
17942 \renewcommand*\theequation{%
17943   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}

```



```

17944 \renewenvironment{thebibliography}[1]
17945     {\chapter*{\bibname}%
17946      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17947      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17948      \bidi@thebibliography@font@hook%
17949      \list{\@biblabel{\@arabic\c@enumiv}}%
17950          {\settowidth\labelwidth{\@biblabel{#1}}%
17951           \leftmargin\labelwidth
17952           \advance\leftmargin\labelsep
17953           \@openbib@code
17954           \usecounter{enumiv}%
17955           \let\p@enumiv\@empty
17956           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
17957      \sloppy\clubpenalty4000\widowpenalty4000%
17958      \sfcode\.\@m}
17959      {\def\@noitemerr
17960       {\@latex@warning{Empty `thebibliography' environment}}}%
17961      \endlist}
17962 \renewcommand*\left@footnoterule{%
17963   \kern-3\p@
17964   \kern.5\baselineskip
17965   \hrule\@width\unitindent
17966   \kern.4\baselineskip
17967 }
17968 \renewcommand*\right@footnoterule{%
17969   \kern-3\p@
17970   \kern.5\baselineskip
17971   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
17972   \kern.4\baselineskip}
17973 \renewcommand*\head@style{%
17974   \interlinepenalty \@M
17975   \hyphenpenalty=\@M \exhyphenpenalty=\@M
17976   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

123 File refrep-xetex-bidi.def

```

17977 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
17978 \if@titlepage
17979   \renewcommand\maketitle{\begin{titlepage}%
17980     \let\footnotesize\small
17981     \let\right@footnoterule\relax
17982     \let\left@footnoterule\relax
17983     \let\textwidth\footnoterule\relax
17984     \let\footnote\thanks
17985     \let\LTRfootnote\LTRthanks
17986     \let\RTLfootnote\RTLthanks
17987     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
17988     \def\@makefnmark%
17989       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
17990     \long\def\@makefntext##1{%
17991       \@setpar{\@par
17992         \@tempdima = \hsize
17993         \advance\@tempdima -1em
17994         \parshape \@ne 1em \@tempdima}%

```




```

17995      \par\parindent 1em \noindent
17996      \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
17997 \null\vfil
17998 \vskip 60\p@
17999 \begin{center}%
18000   {\LARGE \@title \par}%
18001   \vskip 3em%
18002   {\large
18003    \lineskip .75em%
18004    \begin{tabular}[t]{c}%
18005      \@author
18006      \end{tabular}\par}%
18007   \vskip 1.5em%
18008   {\large \@date \par}%           % Set date in \large size.
18009 \end{center}\par
18010 \@thanks
18011 \vfil\null
18012 \end{titlepage}%
18013 \setcounter{footnote}{0}%
18014 \global\let\thanks\relax
18015 \global\let\LTRthanks\relax
18016 \global\let\RTLthanks\relax
18017 \global\let\maketitle\relax
18018 \global\let\@thanks\@empty
18019 \global\let\@author\@empty
18020 \global\let\@date\@empty
18021 \global\let\@title\@empty
18022 \global\let\title\relax
18023 \global\let\author\relax
18024 \global\let\date\relax
18025 \global\let\and\relax
18026 }
18027 \else
18028 \renewcommand\maketitle{\par
18029   \begingroup
18030     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
18031     \def\@makefnmark%
18032       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
18033     \long\def\@makefntext##1{%
18034       \@setpar{\@par
18035         \@tempdima = \hsize
18036         \advance\@tempdima -1em
18037         \parshape \@ne 1em \@tempdima}%
18038       \par\parindent 1em \noindent
18039       \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
18040     \if@twocolumn
18041       \ifnum \col@number=\@ne
18042         \@maketitle
18043       \else
18044         \twocolumn[\@maketitle]%
18045       \fi
18046     \else
18047       \newpage
18048       \global\@topnum\z@      % Prevents figures from going at top of page.

```



```

18049         \@maketitle
18050     \fi
18051     \thispagestyle{empty}\@thanks
18052 \endgroup
18053 \setcounter{footnote}{0}%
18054 \global\let\thanks\relax
18055 \global\let\LTRthanks\relax
18056 \global\let\RTLthanks\relax
18057 \global\let\maketitle\relax
18058 \global\let\@maketitle\relax
18059 \global\let\@thanks\@empty
18060 \global\let\@author\@empty
18061 \global\let\@date\@empty
18062 \global\let\@title\@empty
18063 \global\let\title\relax
18064 \global\let\author\relax
18065 \global\let\date\relax
18066 \global\let\and\relax
18067 }
18068 \def\@maketitle{%
18069     \newpage
18070     \null
18071     \longthickrule\vskip1.5em%
18072     \let \footnote \thanks
18073     \let \LTRfootnote \LTRthanks
18074     \let \RTLfootnote \RTLthanks
18075     {\secshape \parskip\z@ \parindent\z@
18076     \Large\bfseries \@title \par}%
18077     \vskip1.5em\longthickrule\vskip1.5em%
18078     {\normalsize
18079     \lineskip .5em%
18080     \begin{flushright}%
18081         {\slshape\@author\par}
18082         \vskip 1em%
18083         {\@date}%
18084     \end{flushright}\par}%
18085     \vskip 1.5em}
18086 \fi
18087 \renewcommand*\l@part[2]{%
18088     \ifnum \c@tocdepth >-2\relax
18089         \addpenalty{-\@highpenalty}%
18090         \addvspace{2.25em \@plus\p@}%
18091         \begingroup
18092             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18093             \parfillskip -\@pnumwidth
18094             {\leavevmode
18095             \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
18096             \nobreak
18097             \global\@nobreaktrue
18098             \everypar{\global\@nobreakfalse\everypar{}}%
18099         \endgroup
18100     \fi}
18101 \renewcommand*\l@chapter[2]{%
18102     \ifnum \c@tocdepth >\m@ne

```



```

18103 \addpenalty{-\@highpenalty}%
18104 \vskip 1.0em \@plus\p@
18105 \setlength\@tempdima{1.5em}%
18106 \begingroup
18107 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18108 \parfillskip -\@pnumwidth
18109 \leavevmode \bfseries
18110 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18111 \hskip -\if@RTL\rightskip\else\leftskip\fi
18112 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18113 \penalty\@highpenalty
18114 \endgroup
18115 \fi}
18116 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
18117 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
18118 \hyphenpenalty=2000}
18119 \renewcommand\left@footnoterule{%
18120 \kern-3\p@
18121 \hrule\@width.4\columnwidth
18122 \kern 2.6\p@}
18123 \renewcommand\right@footnoterule{%
18124 \kern-3\p@
18125 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18126 \kern2.6\p@}
18127 \renewcommand\theequation
18128 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
18129 \renewcommand\thefigure
18130 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
18131 \renewcommand\thetable%
18132 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
18133 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
18134 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
18135 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
18136 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
18137 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
18138 \renewenvironment{thebibliography}[1]
18139 {\chapter*{\bibname
18140 \mkboth{\bibname}{\bibname}}%
18141 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18142 \bidi@thebibliography@font@hook%
18143 \list{\@biblabel{\@arabic\c@enumiv}}%
18144 {\settowidth\labelwidth{\@biblabel{#1}}%
18145 \leftmargin\labelwidth
18146 \advance\leftmargin\labelsep
18147 \@openbib@code
18148 \usecounter{enumiv}%
18149 \let\p@enumiv\@empty
18150 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18151 \sloppy
18152 \clubpenalty4000
18153 \@clubpenalty \clubpenalty
18154 \widowpenalty4000%
18155 \sfcode`\.=\@m}
18156 {\def\@noitemerr

```



```

18157         {\@latex@warning{Empty `thebibliography' environment}}}%
18158         \endlist}

```

124 File report-xetex-bidi.def

```

18159 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
18160 \renewenvironment{theindex}
18161         {\if@twocolumn
18162           \@restonecolfalse
18163           \else
18164             \@restonecoltrue
18165           \fi
18166           \columnseprule \z@
18167           \columnsep 35\p@
18168           \twocolumn[\@makeschapterhead{\indexname}]%
18169           \@mkboth{\MakeUppercase\indexname}%
18170                   {\MakeUppercase\indexname}%
18171           \thispagestyle{plain}\parindent\z@
18172           \parskip\z@ \@plus .3\p@\relax
18173           \let\item\@idxitem}
18174         {\if@restonecol\onecolumn\else\clearpage\fi}
18175 \if@titlepage
18176 \renewcommand\maketitle{\begin{titlepage}%
18177 \let\footnotesize\small
18178 \let\right@footnoterule\relax
18179 \let\left@footnoterule\relax
18180 \let\textwidth\footnoterule\relax
18181 \let \footnote \thanks
18182 \let \LTRfootnote \LTRthanks
18183 \let \RTLfootnote \RTLthanks
18184 \null\vfil
18185 \vskip 60\p@
18186 \begin{center}%
18187   {\LARGE \@title \par}%
18188   \vskip 3em%
18189   {\large
18190     \lineskip .75em%
18191     \begin{tabular}[t]{c}%
18192       \@author
18193     \end{tabular}\par}%
18194     \vskip 1.5em%
18195     {\large \@date \par}%           % Set date in \large size.
18196 \end{center}\par
18197 \@thanks
18198 \vfil\null
18199 \end{titlepage}%
18200 \setcounter{footnote}{0}%
18201 \global\let\thanks\relax
18202 \global\let\LTRthanks\relax
18203 \global\let\RTLthanks\relax
18204 \global\let\maketitle\relax
18205 \global\let\@thanks\@empty
18206 \global\let\@author\@empty
18207 \global\let\@date\@empty

```



```

18208 \global\let\@title\@empty
18209 \global\let\title\relax
18210 \global\let\author\relax
18211 \global\let\date\relax
18212 \global\let\and\relax
18213 }
18214 \else
18215 \renewcommand\maketitle{\par
18216 \begin{group}
18217 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
18218 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
18219 \long\def\@makefntext##1{\parindent 1em\noindent
18220 \hb@xt@1.8em{%
18221 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
18222 \if@twocolumn
18223 \ifnum \col@number=\@ne
18224 \maketitle
18225 \else
18226 \twocolumn[\maketitle]%
18227 \fi
18228 \else
18229 \newpage
18230 \global\@topnum\z@ % Prevents figures from going at top of page.
18231 \maketitle
18232 \fi
18233 \thispagestyle{plain}\@thanks
18234 \endgroup
18235 \setcounter{footnote}{0}%
18236 \global\let\thanks\relax
18237 \global\let\LTRthanks\relax
18238 \global\let\RTLthanks\relax
18239 \global\let\maketitle\relax
18240 \global\let\@maketitle\relax
18241 \global\let\@thanks\@empty
18242 \global\let\@author\@empty
18243 \global\let\@date\@empty
18244 \global\let\@title\@empty
18245 \global\let\title\relax
18246 \global\let\author\relax
18247 \global\let\date\relax
18248 \global\let\and\relax
18249 }
18250 \def\@maketitle{%
18251 \newpage
18252 \null
18253 \vskip 2em%
18254 \begin{center}%
18255 \let \footnote \thanks
18256 \let \LTRfootnote \LTRthanks
18257 \let \RTLfootnote \RTLthanks
18258 {\LARGE \@title \par}%
18259 \vskip 1.5em%
18260 {\large
18261 \lineskip .5em%

```



```

18262     \begin{tabular}[t]{c}%
18263     \@author
18264     \end{tabular}\par}%
18265     \vskip 1em%
18266     {\large \@date}%
18267 \end{center}%
18268 \par
18269 \vskip 1.5em}
18270 \fi
18271 \renewcommand*\l@part[2]{%
18272 \ifnum \c@tocdepth >-2\relax
18273 \addpenalty{-\@highpenalty}%
18274 \addvspace{2.25em \@plus\p@}%
18275 \setlength\@tempdima{3em}%
18276 \begingroup
18277 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18278 \parfillskip -\@pnumwidth
18279 {\leavevmode
18280 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
18281 \nobreak
18282 \global\@nobreaktrue
18283 \everypar{\global\@nobreakfalse\everypar{}}}%
18284 \endgroup
18285 \fi}
18286 \renewcommand*\l@chapter[2]{%
18287 \ifnum \c@tocdepth >\m@ne
18288 \addpenalty{-\@highpenalty}%
18289 \vskip 1.0em \@plus\p@
18290 \setlength\@tempdima{1.5em}%
18291 \begingroup
18292 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18293 \parfillskip -\@pnumwidth
18294 \leavevmode \bfseries
18295 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18296 \hskip -\if@RTL\rightskip\else\leftskip\fi
18297 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18298 \penalty\@highpenalty
18299 \endgroup
18300 \fi}
18301 \renewcommand\left@footnoterule{%
18302 \kern-3\p@
18303 \hrule\@width.4\columnwidth
18304 \kern2.6\p@}
18305 \renewcommand\right@footnoterule{%
18306 \kern-3\p@
18307 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18308 \kern2.6\p@}
18309 \renewcommand\theequation
18310 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
18311 \renewcommand \thefigure
18312 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
18313 \renewcommand \thetable
18314 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
18315 \renewcommand \thechapter {\@arabic\c@chapter}

```



```

18316 \renewcommand \thesection {\thechapter \@SepMark \@arabic \c@section}
18317 \renewcommand \thesubsection {\thesection \@SepMark \@arabic \c@subsection}
18318 \renewcommand \thesubsubsection {\thesubsection \@SepMark \@arabic \c@subsubsection}
18319 \renewcommand \theparagraph {\thesubsubsection \@SepMark \@arabic \c@paragraph}
18320 \renewcommand \thesubparagraph {\theparagraph \@SepMark \@arabic \c@subparagraph}
18321 \def \makechapterhead #1 {%
18322   \vspace*{50\p@}%
18323   {\parindent \z@ \if@RTL \raggedleft \else \raggedright \fi \normalfont
18324     \ifnum \c@secnumdepth > \m@ne
18325       \huge \bfseries \chapapp \space \thechapter
18326       \par \nobreak
18327       \vskip 20\p@
18328     \fi
18329     \interlinepenalty \@M
18330     \Huge \bfseries #1 \par \nobreak
18331     \vskip 40\p@
18332   }}
18333 \def \makeschapterhead #1 {%
18334   \vspace*{50\p@}%
18335   {\parindent \z@ \if@RTL \raggedleft \else \raggedright \fi
18336     \normalfont
18337     \interlinepenalty \@M
18338     \Huge \bfseries #1 \par \nobreak
18339     \vskip 40\p@
18340   }}
18341 \renewenvironment {thebibliography} [1]
18342   {\chapter* {\bibname}%
18343     \@mkboth {\MakeUppercase \bibname} {\MakeUppercase \bibname}%
18344     \if@RTL \if@LTRbibitems \@RTLfalse \else \fi \else \if@RTLbibitems \@RTLtrue \else \fi \fi
18345     \bidi@thebibliography@font@hook%
18346     \list {\@biblabel {\@arabic \c@enumiv}} %
18347       {\settowidth \labelwidth {\@biblabel {#1}}%
18348         \leftmargin \labelwidth
18349         \advance \leftmargin \labelsep
18350         \@openbib@code
18351         \usecounter {enumiv}%
18352         \let \p@enumiv \empty
18353         \renewcommand \theenumiv {\@arabic \c@enumiv}}%
18354     \sloppy
18355     \clubpenalty 4000
18356     \@clubpenalty \clubpenalty
18357     \widowpenalty 4000%
18358     \sfcode \.\@m}
18359 {\def \noitemerr
18360   {\@latex@warning {Empty `thebibliography' environment}}}%
18361 \endlist}

```

125 File rotating-xetex-bidi.def

```

18362 \ProvidesFile {rotating-xetex-bidi.def} [2013/05/22 v0.2 bidi adaptations for rotating package]
18363 \def \end@rotfloat {%
18364   \end {minipage} \end {lrbox} %
18365   \stepcounter {r@tfl@t} %
18366   \rot@label {RF \ther@tfl@t} %

```



```

18367 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
18368 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
18369 \rot@mess@toks\expandafter{\@tempa}
18370 \wd\rot@float@box\z@
18371 \ht\rot@float@box\z@
18372 \dp\rot@float@box\z@
18373 \vboxL to \textheight{%
18374 \setkeys{Grot}{units=360}%
18375 \if@rot@twoside
18376 \else
18377 \let\R@@page\rot@LR
18378 \fi
18379 \ifthenelse{\isodd{\R@@page}}{%
18380 \if@rot@twoside
18381 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
18382 \fi
18383 \vfill
18384 \@@line{%
18385 \hskip\rotFPtop
18386 \rotatebox{90}{\box\rot@float@box}%
18387 \hskip\rotFPbot
18388 }%
18389 }{%
18390 \if@rot@twoside
18391 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
18392 \fi
18393 \@@line{%
18394 \hskip\rotFPbot
18395 \rotatebox{-90}{\box\rot@float@box}%
18396 \hskip\rotFPtop
18397 }%
18398 \vfill
18399 }%
18400 \rot@message{\the\rot@mess@toks}
18401 }%
18402 \end@float
18403 }
18404 \let\endsidewaysfigure\end@rotfloat
18405 \let\endsidewaystable\end@rotfloat
18406 \def\end@rotdblfloat{%
18407 \end{minipage}\end{lrbox}%
18408 \stepcounter{r@tfl@t}%
18409 \rot@label{RF\ther@tfl@t}%
18410 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
18411 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
18412 \rot@mess@toks\expandafter{\@tempa}
18413 \@tempdima\ht\rot@float@box
18414 \advance\@tempdima by \dp\rot@float@box
18415 \wd\rot@float@box\z@
18416 \ht\rot@float@box\z@
18417 \dp\rot@float@box\z@
18418 \vboxL to \textheight{%
18419 \setkeys{Grot}{units=360}%
18420 \if@rot@twoside

```




```

18421 \else
18422 \let\R@@page\rot@LR
18423 \fi
18424 \ifthenelse{\isodd{\R@@page}}{%
18425 \ifrot@messages
18426 \if@rot@twoside
18427 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
18428 \fi
18429 \fi
18430 \vfill
18431 \@@line{%
18432 \hskip\rotFPtop
18433 \rotatebox{90}{\box\rot@float@box}%
18434 \hskip\rotFPbot
18435 }%
18436 }{%
18437 \ifrot@messages
18438 \if@rot@twoside
18439 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
18440 \fi
18441 \fi%
18442 \@@line{%
18443 \hskip\rotFPbot
18444 \rotatebox{-90}{\box\rot@float@box}%
18445 \hskip\rotFPtop
18446 }%
18447 \vfill
18448 }%
18449 \rot@message{\the\rot@mess@toks}%
18450 }%
18451 \end@dblfloat
18452 }
18453 \def\turn#1{%
18454 \Grot@setangle{#1}%
18455 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18456 \def\endturn{%
18457 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18458 \unskip\color@endbox
18459 \Grot@x\z@
18460 \Grot@y\z@
18461 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18462 }
18463 \def\rotate#1{%
18464 \Grot@setangle{#1}%
18465 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18466 \def\endrotate{%
18467 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18468 \unskip\color@endbox
18469 \Grot@x\z@
18470 \Grot@y\z@
18471 \wd0\z@\dp0\z@\ht0\z@
18472 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18473 }
18474 \def\turnbox#1#2{%

```



```

18475 \Grot@setangle{#1}%
18476 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
18477 \Grot@x\z@\Grot@y\z@
18478 \wd0\z@\dp0\z@\ht0\z@
18479 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18480 }
18481 \def\sideways{%
18482 \Grot@setangle{90}%
18483 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18484 \def\endsideways{%
18485 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18486 \unskip\color@endbox
18487 \Grot@x\z@
18488 \Grot@y\z@
18489 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18490 }

```

126 File scrartcl-xetex-bidi.def

```

18491 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
18492 \newcommand{\scr@saved@LTRfootnotetext}{}
18493 \newcommand{\scr@saved@RTLfootnotetext}{}
18494 \let\scr@saved@footnotetext\@footnotetext
18495 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18496 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18497 \renewcommand{\@footnotetext}[1]{%
18498 \scr@saved@footnotetext{#1}%
18499 \csname FN@mfp@prepare\endcsname
18500 }
18501 \renewcommand{\@LTRfootnotetext}[1]{%
18502 \scr@saved@LTRfootnotetext{#1}%
18503 \csname FN@mfp@prepare\endcsname
18504 }
18505 \renewcommand{\@RTLfootnotetext}[1]{%
18506 \scr@saved@RTLfootnotetext{#1}%
18507 \csname FN@mfp@prepare\endcsname
18508 }
18509 \renewcommand\deffootnote[4][1]{%
18510 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
18511 \long\def\@makefntext#1{%
18512 \ExecuteDoHook{footnote/text/begin}%
18513 \raggedfootnote
18514 \if@RTL
18515 \rightskip
18516 \else
18517 \leftskip
18518 \fi
18519 #2
18520 \l@addto@macro\@trivlist{%
18521 \ifnum\@listdepth=\@ne
18522 \if@RTL
18523 \advance\rightmargin #2\relax
18524 \else
18525 \advance\leftmargin #2\relax

```



```

18526         \fi
18527     \fi
18528 }%
18529 \parindent #3\noindent
18530 \IfArgIsEmpty{#1}{-}{%
18531     \hskip \dimexpr #1-#2\relax
18532 }%
18533 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18534 \ExecuteDoHook{footnote/text/end}%
18535 }%
18536 \else
18537     \ClassInfo{\KOMAClassName}{%
18538         Using old \string\@makefnmark\space due to compatibility
18539         level\MessageBreak
18540         less than 3.22}%
18541     \long\def\@makefnmark##1{%
18542         \setlength{\@tempdimc}{#3}%
18543         \def\@tempa{#1}\ifx\@tempa\@empty
18544             \@setpar{\@par
18545                 \@tempdima = \hspace
18546                 \addtolength{\@tempdima}{-#2}%
18547                 \if@RTL
18548                     \parshape \@ne \z@ \@tempdima
18549                 \else
18550                     \parshape \@ne #2 \@tempdima
18551                 \fi}%
18552         \else
18553             \addtolength{\@tempdimc}{#2}%
18554             \addtolength{\@tempdimc}{-#1}%
18555             \@setpar{\@par
18556                 \@tempdima = \hspace
18557                 \addtolength{\@tempdima}{-#1}%
18558                 \@tempdimb = \hspace
18559                 \addtolength{\@tempdimb}{-#2}%
18560                 \if@RTL
18561                     \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
18562                 \else
18563                     \parshape \tw@ #1 \@tempdima #2 \@tempdimb
18564                 \fi
18565             }%
18566         \fi
18567     \par
18568     \parindent\@tempdimc\noindent
18569     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18570 }%
18571 \fi
18572 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18573 }
18574 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18575 \renewcommand*\left@footnoterule{%
18576     \normalsize\ftn@rule@test@values
18577     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18578     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18579     {\usekomafont{footnoterule}{%

```



```

18580      \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18581      \kern 2.6\p@}
18582 \renewcommand*\right@footnoterule{%
18583   \normalsize\ftn@rule@test@values
18584   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18585   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18586   {\usekomafont{footnoterule}{%
18587     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
18588     \kern 2.6\p@}
18589 \renewcommand*\maketitle[1][1]{%
18590   \expandafter\ifnum \curname scr@v@3.12\endcsname>\scr@compatibility\relax
18591   \else
18592     \def\and{%
18593       \end{tabular}%
18594       \hskip 1em \@plus.17fil%
18595       \begin{tabular}[t]{c}%
18596     }%
18597   \fi
18598   \if@titlepage
18599     \begin{titlepage}
18600       \setcounter{page}{%
18601         #1%
18602       }%
18603     \if@titlepageiscoverpage
18604       \edef\titlename@restore{%
18605         \noexpand\endgroup
18606         \noexpand\global\noexpand\@colht\the\@colht
18607         \noexpand\global\noexpand\@colroom\the\@colroom
18608         \noexpand\global\vsizethe\vsizethe
18609         \noexpand\global\noexpand\@titlepageiscoverpagefalse
18610         \noexpand\let\noexpand\titlename@restore\noexpand\relax
18611       }%
18612       \begin{group
18613         \topmargin=\dimexpr \coverpagetopmargin-1in\relax
18614         \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
18615         \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
18616         \textwidth=\dimexpr
18617         \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
18618         \textheight=\dimexpr
18619         \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
18620         \headheight=0pt
18621         \headsep=0pt
18622         \footskip=\baselineskip
18623         \colht=\textheight
18624         \colroom=\textheight
18625         \vsizethe\textheight
18626         \columnwidth=\textwidth
18627         \hsizethe\columnwidth
18628         \linewidth=\hsizethe
18629       \else
18630         \let\titlename@restore\relax
18631       \fi
18632       \let\footnotesize\small
18633       \let\right@footnoterule\relax

```



```

18634 \let\left@footnoterule\relax
18635 \let\textwidth@footnoterule\relax
18636 \let\footnote\thanks
18637 \let\LTRfootnote\LTRthanks
18638 \let\RTLfootnote\RTLthanks
18639 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18640 \let\@oldmakefnmark\@makefnmark
18641 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18642 \ifx\@extratitle\@empty
18643 \ifx\@frontispiece\@empty
18644 \else
18645 \if@twoside\mbox{}\next@tpage\fi
18646 \noindent\@frontispiece\next@tdpage
18647 \fi
18648 \else
18649 \noindent\@extratitle
18650 \ifx\@frontispiece\@empty
18651 \else
18652 \next@tpage
18653 \noindent\@frontispiece
18654 \fi
18655 \next@tdpage
18656 \fi
18657 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18658 \ifx\@titlehead\@empty \else
18659 \begin{minipage}[t]{\textwidth}%
18660 \usekomafont{titlehead}{\@titlehead\par}%
18661 \end{minipage}\par
18662 \fi
18663 \null\vfill
18664 \begin{center}
18665 \ifx\@subject\@empty \else
18666 {\usekomafont{subject}{\@subject\par}}%
18667 \vskip 3em
18668 \fi
18669 {\usekomafont{title}{\huge \@title\par}}%
18670 \vskip 1em
18671 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
18672 \vskip 2em
18673 {%
18674 \usekomafont{author}{%
18675 \lineskip 0.75em
18676 \begin{tabular}[t]{c}
18677 \@author
18678 \end{tabular}\par
18679 }%
18680 }%
18681 \vskip 1.5em
18682 {\usekomafont{date}{\@date \par}}%
18683 \vskip \z@ \@plus3fill
18684 {\usekomafont{publishers}{\@publishers \par}}%
18685 \vskip 3em
18686 \end{center}\par
18687 \@thanks\global\let\@thanks\@empty

```



```

18688 \vfill\null
18689 \if@twoside
18690 \@tempwattrue
18691 \expandafter\ifnum \@nameuse{scr@v03.12}>\scr@compatibility\relax
18692 \else
18693 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
18694 \@tempwafalse
18695 \fi\fi
18696 \fi
18697 \if@tempswa
18698 \next@tpage
18699 \begin{minipage}[t]{\textwidth}
18700 \@uppertitleback
18701 \end{minipage}\par
18702 \vfill
18703 \begin{minipage}[b]{\textwidth}
18704 \@lowertitleback
18705 \end{minipage}\par
18706 \@thanks\global\let\@thanks\@empty
18707 \fi
18708 \else
18709 \ifx\@uppertitleback\@empty\else
18710 \ClassWarning{\KOMAClassName}{%
18711 non empty \string\uppertitleback\space ignored
18712 by \string\maketitle\MessageBreak
18713 in `twoside=false' mode%
18714 }%
18715 \fi
18716 \ifx\@lowertitleback\@empty\else
18717 \ClassWarning{\KOMAClassName}{%
18718 non empty \string\lowertitleback\space ignored
18719 by \string\maketitle\MessageBreak
18720 in `twoside=false' mode%
18721 }%
18722 \fi
18723 \fi
18724 \ifx\@dedication\@empty
18725 \else
18726 \next@tdpage\null\vfill
18727 {\centering\usekomafont{dedication}{\@dedication \par}}%
18728 \vskip \z@ \@plus3fill
18729 \@thanks\global\let\@thanks\@empty
18730 \cleardoubleemptypage
18731 \fi
18732 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
18733 \end{titlepage}
18734 \else
18735 \par
18736 \@tempcnta=%
18737 #1%
18738 \relax\ifnum\@tempcnta=1\else
18739 \ClassWarning{\KOMAClassName}{%
18740 Optional argument of \string\maketitle\space ignored\MessageBreak
18741 in `titlepage=false' mode%

```



```

18742     }%
18743   \fi
18744   \ifx\@uppertitleback\@empty\else
18745     \ClassWarning{\KOMAClassName}{%
18746       non empty \string\uppertitleback\space ignored
18747       by \string\maketitle\MessageBreak
18748       in `titlepage=false' mode%
18749     }%
18750   \fi
18751   \ifx\@lowertitleback\@empty\else
18752     \ClassWarning{\KOMAClassName}{%
18753       non empty \string\lowertitleback\space ignored
18754       by \string\maketitle\MessageBreak
18755       in `titlepage=false' mode%
18756     }%
18757   \fi
18758   \begingroup
18759     \let\titlepage@restore\relax
18760     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18761     \let\@oldmakefnmark\@makefnmark
18762     \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18763     \next@tdpage
18764     \if@twocolumn
18765       \ifnum \col@number=\@one
18766         \ifx\@extratitle\@empty
18767           \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18768         \else
18769           \@makeextratitle
18770         \fi
18771         \ifx\@frontispiece\@empty
18772           \ifx\@extratitle\@empty\else\next@tdpage\fi
18773         \else
18774           \next@tpage
18775           \@makefrontispiece
18776           \next@tdpage
18777         \fi
18778         \@maketitle
18779       \else
18780         \ifx\@extratitle\@empty
18781           \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18782         \else
18783           \twocolumn[\@makeextratitle]%
18784         \fi
18785         \ifx\@frontispiece\@empty
18786           \ifx\@extratitle\@empty\else\next@tdpage\fi
18787         \else
18788           \next@tpage
18789           \twocolumn[\@makefrontispiece]%
18790           \next@tdpage
18791         \fi
18792         \twocolumn[\@maketitle]%
18793       \fi
18794     \else
18795       \ifx\@extratitle\@empty

```



```

18796         \ifx\@frontispiece\@empty\else \mbox{}\fi
18797     \else
18798         \@makeextratitle
18799     \fi
18800     \ifx\@frontispiece\@empty
18801         \ifx\@extratitle\@empty\else\next@tdpage\fi
18802     \else
18803         \next@tpage
18804         \@makefrontispiece
18805         \next@tdpage
18806     \fi
18807     \@maketitle
18808 \fi
18809 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
18810 \@thanks\global\let\@thanks\@empty
18811 \endgroup
18812 \fi
18813 \setcounter{footnote}{0}%
18814 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
18815     \let\thanks\relax
18816     \let\LTRthanks\relax
18817     \let\RTLthanks\relax
18818     \let\maketitle\relax
18819     \let\@maketitle\relax
18820     \global\let\@thanks\@empty
18821     \global\let\@author\@empty
18822     \global\let\@date\@empty
18823     \global\let\@title\@empty
18824     \global\let\@subtitle\@empty
18825     \global\let\@extratitle\@empty
18826     \global\let\@frontispiece\@empty
18827     \global\let\@titlehead\@empty
18828     \global\let\@subject\@empty
18829     \global\let\@publishers\@empty
18830     \global\let\@uppertitleback\@empty
18831     \global\let\@lowertitleback\@empty
18832     \global\let\@dedication\@empty
18833     \global\let\author\relax
18834     \global\let\title\relax
18835     \global\let\extratitle\relax
18836     \global\let\titlehead\relax
18837     \global\let\subject\relax
18838     \global\let\publishers\relax
18839     \global\let\uppertitleback\relax
18840     \global\let\lowertitleback\relax
18841     \global\let\dedication\relax
18842     \global\let\date\relax
18843 \fi
18844 \global\let\and\relax
18845 }%
18846 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18847 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
18848 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18849 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}

```




```

18850 \renewcommand*{\thesubsubsection}{%
18851   \thesubsection\@SepMark\@arabic\c@subsubsection
18852 }
18853 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18854 \renewcommand*{\thesubparagraph}{%
18855   \theparagraph\@SepMark\@arabic\c@subparagraph
18856 }
18857 \renewenvironment{thebibliography}[1]{%
18858   \if@bib@break@
18859     \bib@beginhook
18860   \else
18861     \bib@heading
18862     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18863       \noindent\bibpreamble\par\nobreak
18864     \fi\fi
18865     \bib@beginhook
18866     \bib@before@hook
18867   \fi
18868   \renewcommand{\BreakBibliography}[1]{%
18869     \@bib@break
18870     \end{thebibliography}%
18871     \begingroup ##1\endgroup
18872     \begin{thebibliography}{#1}
18873   }%
18874   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18875   \bidi@thebibliography@font@hook%
18876   \list{%
18877     \@biblabel{\@arabic\c@enumiv}%
18878   }{%
18879     \settowidth\labelwidth{\@biblabel{#1}}%
18880     \leftmargin\labelwidth
18881     \advance\leftmargin\labelsep
18882     \@openbib@code
18883     \if@bib@break@
18884       \edef\@tempa{%
18885         \noexpand\usecounter{enumiv}%
18886         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18887       }\@tempa
18888       \no@bib@break
18889     \else
18890       \usecounter{enumiv}%
18891     \fi
18892     \let\p@enumiv\@empty
18893     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18894   }%
18895   \sloppy\clubpenalty4000 \widowpenalty4000
18896   \sfcode`\.=\@m
18897 }{%
18898   \if@bib@break@
18899     \def\@noitemerr{%
18900       \@latex@warning{%
18901         \string\BreakBibliography\space at begin of `thebibliography'
18902         environment\MessageBreak
18903         or following \string\BreakBibliography}%

```



```

18904 }%
18905 \else
18906   \def\@noitemerr{%
18907     \@latex@warning{%
18908       Empty `thebibliography' environment or
18909       \string\BreakBibliography\MessageBreak
18910       before end of `thebibliography' environment}%
18911   }%
18912 \fi
18913 \endlist
18914 \if@bib@break@
18915 \else
18916   \bib@after@hook
18917   \let\bib@before@hook\@empty
18918   \let\bib@after@hook\@empty
18919 \fi
18920 \bib@endhook
18921 }
18922 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18923 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18924 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18925 \renewcommand\marginline[1]{%
18926   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
18927 }
18928 \renewcommand{\@makecaption}[3]{%
18929   \cap@margin
18930   \begingroup
18931     \ifonelinecaptions
18932       \def\stepcounter##1{\advance\value{##1}\@ne}%
18933       \let\refstepcounter\stepcounter
18934       \let\label\@gobble
18935       \let\@footnotetext=\@gobble
18936       \let\@LTRfootnotetext=\@gobble
18937       \let\@RTLfootnotetext=\@gobble
18938       \let\hypertarget\@gobbletwo
18939       \edef\xnewline{%
18940         \unexpanded{\ClassInfo{\KOMAClassName}}{%
18941           Workaround for not recommended usage of \string\\ or\MessageBreak
18942           \string\newline in caption text
18943         }%
18944         \hspace*{\linewidth}\hspace{1sp}%
18945       }%
18946       \unexpanded\expandafter{\@xnewline}%
18947     }%
18948     \edef\@xcentercr{%
18949       \unexpanded{\ClassInfo{\KOMAClassName}}{%
18950         Workaround for not recommended usage of \string\\ or\MessageBreak
18951         \string\newline in caption text
18952       }%
18953       \hspace*{\linewidth}\hspace{1sp}%
18954     }%
18955     \unexpanded\expandafter{\@xcentercr}%
18956   }%
18957   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%

```



```

18958     \ifdim\@tempdima>\cap@width
18959     \aftergroup\scr@makemultilinecaption
18960     \else
18961     \aftergroup\scr@makesinglelinecaption
18962     \fi
18963     \else
18964     \aftergroup\scr@makemultilinecaption
18965     \fi
18966 \endgroup
18967 {#1}{#2}{#3}%
18968 }
18969 \renewcommand{\scr@makesinglelinecaption}[3]{%
18970   {%
18971     \usefontofkomafont{caption}{%
18972       \hb@xt@{\hsize{%
18973         \cap@left
18974         \if@RTL
18975         \beginR
18976         \fi
18977         \scr@@makesinglelinecaption{#1}{#2}{#3}%
18978         \if@RTL
18979         \endR
18980         \fi
18981         \cap@right
18982       }}\par\kern\dp\strutbox%
18983     }%
18984   }\kern-\dp\strutbox
18985 }
18986 \renewcommand{\@makecaption}[2]{%
18987   \if@captionabove
18988     \vskip\belowcaptionskip
18989   \else
18990     \vskip\abovecaptionskip
18991   \fi
18992   \@makecaption\@firstofone{#1}{#2}%
18993   \if@captionabove
18994     \vskip\abovecaptionskip
18995   \else
18996     \vskip\belowcaptionskip
18997   \fi
18998 }
18999
19000 \renewcommand{\scr@makesinglelinecaption}[3]{%
19001   {\usekomafont{caption}{\strut\ignorespaces
19002     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
19003     \ignorespaces #3\unskip}}%
19004 }
19005
19006 \renewcommand{\scr@makemultilinecaption}[3]{%
19007   {%
19008     \usefontofkomafont{caption}{%
19009       \hb@xt@{\hsize{%
19010         \cap@left
19011         \vbox{\hsize\cap@width\linewidth\hsize

```



```

19012 \scr@ifundefinedorrelax{@capttype}{%
19013 \ClassWarning{\KOMAClassName}{%
19014   \string\caption' outside float.\MessageBreak
19015   Seems you are using \string\caption' outside a
19016   float.\MessageBreak
19017   Maybe you are using a package that uses
19018   \string\@makecaption'\MessageBreak
19019   without setting \string\@capttype' before.\MessageBreak
19020   Because I cannot detect the caption type, I'm using\MessageBreak
19021   the empty one.%
19022 }%
19023 \let\@capttype\@empty
19024 }{}%
19025 \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
19026   \@nameuse{ragged\@capttype caption}%
19027 }%
19028 \ifdofullc@p
19029   \@hangfrom{%
19030     \strut
19031     \scr@smashdp{%
19032       #1{%
19033         \usekomafont{caption}{%
19034           \usekomafont{captionlabel}{#2\captionformat}%
19035         }%
19036       }%
19037     }%
19038   }%
19039   {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19040 \else
19041   \ifdim\cap@indent<\z@
19042     \strut
19043     #1{%
19044       {\usekomafont{caption}{%
19045         \usekomafont{captionlabel}{#2\captionformat}%
19046       }%
19047     }\par}%
19048     \noindent{{\usekomafont{caption}{%
19049       \hspace*{-\cap@indent}#3\scr@endstrut
19050     }}\par}%
19051   \else
19052     \if@capbreak
19053       \strut
19054       #1{%
19055         {\usekomafont{caption}{%
19056           \usekomafont{captionlabel}{#2\captionformat}%
19057         }%
19058       }\par}%
19059       \noindent\@hangfrom{\hspace*{\cap@indent}}%
19060       {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19061     \else
19062       \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
19063       {%
19064         \hspace{-\cap@indent}%
19065         \scr@smashdp{%

```



```

19066             #1{\usekomafont{caption}{%
19067                 \usekomafont{captionlabel}{#2\captionformat}%
19068             }%
19069         }%
19070     }%
19071     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19072 }%
19073 \fi
19074 \fi
19075 \fi
19076 }%
19077 \cap@right
19078 }\par\kern\dp\strutbox
19079 }%
19080 }\kern-\dp\strutbox
19081 }
19082
19083 \bidi@AfterFile{longtable-xetex-bidi.def}{%
19084 \if@komalongtable
19085     \renewcommand{\LT@makecaption}[3]{%
19086         \noalign{%
19087             \if@captionabove
19088                 \vskip\belowcaptionskip
19089             \else
19090                 \vskip\abovecaptionskip
19091             \fi
19092         }%
19093         \LT@mcol\LT@cols c{%
19094             \hbox to\z@{\hss\parbox[t]\linewidth{%
19095                 \def\@capytype{table}%
19096                 \@makecaption{#1}{#2}{#3}%
19097                 \endgraf
19098                 \if@captionabove
19099                     \vskip\abovecaptionskip
19100                 \else
19101                     \vskip\belowcaptionskip
19102                 \fi
19103             }%
19104             \hss
19105         }%
19106     }%
19107 }%
19108 \renewcommand*\scr@LT@array}{}%
19109 \let\scr@LT@array=\LT@array
19110 \renewcommand*\scr@LT@array}{%
19111     \let\scr@caption=\LT@caption
19112     \def\captionabove{\noalign{\global\@captionabovetrue}%
19113         \scr@caption}%
19114     \def\captionbelow{\noalign{\global\@captionabovetrue}%
19115         \scr@caption}%
19116     \if@tablecaptionabove
19117         \let\LT@caption=\captionabove
19118     \else
19119         \let\LT@caption=\captionbelow

```



```

19120     \fi
19121     \scr@LT@array
19122   }%
19123   \ClassInfo{\KOMAClassName}{%
19124     longtable captions redefined%
19125   }%
19126 \fi
19127 }
19128
19129 \CloneTOCEntryStyle{tocline}{part}
19130 \TOCEntryStyleStartInitCode{part}{%
19131   \expandafter\renewcommand%
19132   \csname scr@tso@#1@linefill\endcsname{\hfill}%
19133   \expandafter\renewcommand%
19134   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
19135   \expandafter\renewcommand%
19136   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19137     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
19138   \expandafter\renewcommand\expandafter*%
19139   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
19140 }
19141
19142 \CloneTOCEntryStyle{tocline}{section}
19143 \TOCEntryStyleStartInitCode{section}{%
19144   \expandafter\renewcommand%
19145   \csname scr@tso@#1@linefill\endcsname{%
19146     \if@sectionentrywithdots
19147       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
19148     \else
19149       \hfill
19150     \fi
19151   }%
19152   \expandafter\renewcommand%
19153   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
19154   \expandafter\renewcommand%
19155   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
19156   \expandafter\renewcommand\expandafter*%
19157   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
19158 }
19159
19160 \CloneTOCEntryStyle{tocline}{subsection}
19161 \TOCEntryStyleStartInitCode{subsection}{%
19162   \expandafter\renewcommand%
19163   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19164   \expandafter\renewcommand%
19165   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19166     {\normalfont\normalcolor ##1}}%
19167 }
19168
19169 \CloneTOCEntryStyle{subsection}{default}
19170
19171 \DeclareSectionCommand[%
19172   style=section,%
19173   level=1,%

```



```

19174 indent=\z@,%
19175 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
19176 afterskip=2.3ex \@plus .2ex,%
19177 tocstyle=section,%
19178 tocindent=0pt,%
19179 tocnumwidth=1.5em%
19180 ]{section}
19181 \DeclareSectionCommand[%
19182 style=part,%
19183 level=\z@,%
19184 tocstyle=part,%
19185 toplevel=\m@ne,%
19186 tocindent=\z@,%
19187 tocnumwidth=2em%
19188 ]{part}
19189 \DeclareSectionCommand[%
19190 style=section,%
19191 level=2,%
19192 indent=\z@,%
19193 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19194 afterskip=1.5ex \@plus .2ex,%
19195 tocstyle=subsection,%
19196 tocindent=1.5em,%
19197 tocnumwidth=2.3em%
19198 ]{subsection}
19199 \DeclareSectionCommand[%
19200 style=section,%
19201 level=3,%
19202 indent=\z@,%
19203 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19204 afterskip=1.5ex \@plus .2ex,%
19205 tocstyle=subsection,%
19206 tocindent=3.8em,%
19207 tocnumwidth=3.2em%
19208 ]{subsubsection}
19209 \DeclareSectionCommand[%
19210 style=section,%
19211 level=4,%
19212 indent=\z@,%
19213 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
19214 afterskip=-1em,%
19215 tocstyle=subsection,%
19216 tocindentfollows=subsubsection,%
19217 tocindent=7.0em,%
19218 tocnumwidth=4.1em%
19219 ]{paragraph}
19220 \DeclareSectionCommand[%
19221 style=section,%
19222 level=5,%
19223 indent=\scr@parindent,%
19224 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
19225 afterskip=-1em,%
19226 tocstyle=subsection,%
19227 tocindent=10em,%

```



```

19228   tocnumwidth=5em%
19229 ]{subparagraph}

```

127 File scrbook-xetex-bidi.def

```

19230 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
19231 \newcommand{\scr@saved@LTRfootnotetext}{}
19232 \newcommand{\scr@saved@RTLfootnotetext}{}
19233 \let\scr@saved@footnotetext\@footnotetext
19234 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19235 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19236 \renewcommand{\@footnotetext}[1]{%
19237   \scr@saved@footnotetext{#1}%
19238   \csname FN@mf@prepare\endcsname
19239 }
19240 \renewcommand{\@LTRfootnotetext}[1]{%
19241   \scr@saved@LTRfootnotetext{#1}%
19242   \csname FN@mf@prepare\endcsname
19243 }
19244 \renewcommand{\@RTLfootnotetext}[1]{%
19245   \scr@saved@RTLfootnotetext{#1}%
19246   \csname FN@mf@prepare\endcsname
19247 }
19248 \renewcommand\deffootnote[4][1]{%
19249   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19250     \long\def\@makefntext##1{%
19251       \ExecuteDoHook{footnote/text/begin}%
19252       \raggedfootnote
19253       \if@RTL
19254         \rightskip
19255       \else
19256         \leftskip
19257       \fi
19258       #2
19259       \l@addto@macro\@trivlist{%
19260         \ifnum\@listdepth=\@ne\advance
19261           \if@RTL
19262             \rightmargin #2\relax
19263           \else
19264             \leftmargin #2\relax
19265           \fi
19266         \fi
19267       }%
19268       \parindent #3\noindent
19269       \IfArgIsEmpty{#1}{-}{%
19270         \hskip \dimexpr #1-#2\relax
19271       }%
19272       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19273       \ExecuteDoHook{footnote/text/end}%
19274     }%
19275   \else
19276     \ClassInfo{\KOMAClassName}{%
19277       Using old \string\@makefntext\space due to compatibility
19278       level\MessageBreak

```




```

19279     less than 3.22}%
19280 \long\def\@makefnmark##1{%
19281   \setlength{\@tempdimc}{#3}%
19282   \def\@tempa{#1}\ifx\@tempa\@empty
19283     \setpar{\@par
19284       \@tempdima = \hsize
19285       \addtolength{\@tempdima}{-#2}%
19286       \if@RTL
19287         \parshape \@ne \z@ \@tempdima
19288       \else
19289         \parshape \@ne #2 \@tempdima
19290       \fi
19291     }%
19292   \else
19293     \addtolength{\@tempdimc}{#2}%
19294     \addtolength{\@tempdimc}{-#1}%
19295     \setpar{\@par
19296       \@tempdima = \hsize
19297       \addtolength{\@tempdima}{-#1}%
19298       \@tempdimb = \hsize
19299       \addtolength{\@tempdimb}{-#2}%
19300       \if@RTL
19301         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19302       \else
19303         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19304       \fi
19305     }%
19306   \fi
19307   \par
19308   \parindent\@tempdimc\noindent
19309   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19310 }%
19311 \fi
19312 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
19313 }
19314 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19315 \renewcommand*\left@footnoterule{%
19316   \normalsize\ftn@rule@test@values
19317   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19318   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19319   {\usekomafont{footnoterule}{%
19320     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
19321   \kern 2.6\p@}
19322 \renewcommand*\right@footnoterule{%
19323   \normalsize\ftn@rule@test@values
19324   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19325   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19326   {\usekomafont{footnoterule}{%
19327     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
19328     \kern 2.6\p@}
19329 \renewcommand*\maketitle[1][1]{%
19330   \expandafter\ifnum \csname scr@v3.12\endcsname>\scr@compatibility\relax
19331   \else
19332     \def\and{%

```



```

19333     \end{tabular}%
19334     \hskip 1em \@plus.17fil%
19335     \begin{tabular}[t]{c}%
19336   }%
19337 \fi
19338 \if@titlepage
19339   \begin{titlepage}
19340     \setcounter{page}{%
19341       #1%
19342     }%
19343     \if@titlepageiscoverpage
19344       \edef\titlepage@restore{%
19345         \noexpand\endgroup
19346         \noexpand\global\noexpand\@colht\the\@colht
19347         \noexpand\global\noexpand\@colroom\the\@colroom
19348         \noexpand\global\vsizethe\vsizethe
19349         \noexpand\global\noexpand\@titlepageiscoverpagefalse
19350         \noexpand\let\noexpand\titlepage@restore\noexpand\relax
19351       }%
19352       \begin{group}
19353         \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19354         \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19355         \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19356         \textwidth=\dimexpr
19357         \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19358         \textheight=\dimexpr
19359         \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19360         \headheight=0pt
19361         \headsep=0pt
19362         \footskip=\baselineskip
19363         \@colht=\textheight
19364         \@colroom=\textheight
19365         \vsizethe\textheight
19366         \columnwidth=\textwidth
19367         \hsize=\columnwidth
19368         \linewidth=\hsize
19369       \else
19370         \let\titlepage@restore\relax
19371     \fi
19372     \let\footnotesize\small
19373     \let\right@footnoterule\relax
19374     \let\left@footnoterule\relax
19375     \let\textwidth@footnoterule\relax
19376     \let\footnote\thanks
19377     \let\LTRfootnote\LTRthanks
19378     \let\RTLfootnote\RTLthanks
19379     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19380     \let\oldmakefnmark\makefnmark
19381     \renewcommand*\@makefnmark{\rlap\oldmakefnmark}%
19382     \ifx\extratitle\empty
19383       \ifx\frontispiece\empty
19384     \else
19385       \if@twoside\mbox{}\next@tpage\fi
19386       \noindent\frontispiece\next@tdpage

```



```

19387      \fi
19388      \else
19389          \noindent\@extratitle
19390          \ifx\@frontispiece\@empty
19391              \else
19392                  \next@tpage
19393                  \noindent\@frontispiece
19394              \fi
19395              \next@tdpage
19396          \fi
19397          \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
19398          \ifx\@titlehead\@empty \else
19399              \begin{minipage}[t]{\textwidth}%
19400                  \usekomafont{titlehead}{\@titlehead\par}%
19401                  \end{minipage}\par
19402          \fi
19403          \null\vfill
19404          \begin{center}
19405              \ifx\@subject\@empty \else
19406                  {\usekomafont{subject}{\@subject\par}}%
19407                  \vskip 3em
19408              \fi
19409              {\usekomafont{title}{\huge \@title\par}}%
19410              \vskip 1em
19411              {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19412              \vskip 2em
19413              {%
19414                  \usekomafont{author}{%
19415                      \lineskip 0.75em
19416                      \begin{tabular}[t]{c}
19417                          \@author
19418                      \end{tabular}\par
19419                  }%
19420              }%
19421              \vskip 1.5em
19422              {\usekomafont{date}{\@date \par}}%
19423              \vskip \z@ \@plus3fill
19424              {\usekomafont{publishers}{\@publishers \par}}%
19425              \vskip 3em
19426          \end{center}\par
19427          \@thanks\global\let\@thanks\@empty
19428          \vfill\null
19429          \if@twoside
19430              \@tempswatrue
19431              \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
19432              \else
19433                  \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19434                      \@tempswafalse
19435                  \fi\fi
19436              \fi
19437              \if@tempswa
19438                  \next@tpage
19439                  \begin{minipage}[t]{\textwidth}
19440                      \@uppertitleback

```



```

19441         \end{minipage}\par
19442         \vfill
19443         \begin{minipage}[b]{\textwidth}
19444             \@lowertitleback
19445         \end{minipage}\par
19446         \@thanks\global\let\@thanks\@empty
19447     \fi
19448 \else
19449     \ifx\@uppertitleback\@empty\else
19450         \ClassWarning{\KOMAClassName}{%
19451             non empty \string\uppertitleback\space ignored
19452             by \string\maketitle\MessageBreak
19453             in `twoside=false' mode%
19454         }%
19455     \fi
19456     \ifx\@lowertitleback\@empty\else
19457         \ClassWarning{\KOMAClassName}{%
19458             non empty \string\lowertitleback\space ignored
19459             by \string\maketitle\MessageBreak
19460             in `twoside=false' mode%
19461         }%
19462     \fi
19463 \fi
19464 \ifx\@dedication\@empty
19465 \else
19466     \next@tdpage\null\vfill
19467     {\centering\usekomafont{dedication}{\@dedication \par}}%
19468     \vskip \z@ \@plus3fill
19469     \@thanks\global\let\@thanks\@empty
19470     \cleardoubleemptypage
19471 \fi
19472 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
19473 \end{titlepage}
19474 \else
19475     \par
19476     \@tempcnta=%
19477     #1%
19478     \relax\ifnum\@tempcnta=1\else
19479         \ClassWarning{\KOMAClassName}{%
19480             Optional argument of \string\maketitle\space ignored\MessageBreak
19481             in `titlepage=false' mode%
19482         }%
19483     \fi
19484     \ifx\@uppertitleback\@empty\else
19485         \ClassWarning{\KOMAClassName}{%
19486             non empty \string\uppertitleback\space ignored
19487             by \string\maketitle\MessageBreak
19488             in `titlepage=false' mode%
19489         }%
19490     \fi
19491     \ifx\@lowertitleback\@empty\else
19492         \ClassWarning{\KOMAClassName}{%
19493             non empty \string\lowertitleback\space ignored
19494             by \string\maketitle\MessageBreak

```



```

19495         in `titlepage=false' mode%
19496     }%
19497 \fi
19498 \beginingroup
19499 \let\titlepage@restore\relax
19500 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19501 \let\@oldmakefnmark\@makefnmark
19502 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
19503 \next@tdpage
19504 \if@twocolumn
19505     \ifnum \col@number=\@one
19506         \ifx\@extratitle\@empty
19507             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19508         \else
19509             \@makeextratitle
19510         \fi
19511         \ifx\@frontispiece\@empty
19512             \ifx\@extratitle\@empty\else\next@tdpage\fi
19513         \else
19514             \next@tpage
19515             \@makefrontispiece
19516             \next@tdpage
19517         \fi
19518         \@maketitle
19519     \else
19520         \ifx\@extratitle\@empty
19521             \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19522         \else
19523             \twocolumn[\@makeextratitle]%
19524         \fi
19525         \ifx\@frontispiece\@empty
19526             \ifx\@extratitle\@empty\else\next@tdpage\fi
19527         \else
19528             \next@tpage
19529             \twocolumn[\@makefrontispiece]%
19530             \next@tdpage
19531         \fi
19532         \twocolumn[\@maketitle]%
19533     \fi
19534 \else
19535     \ifx\@extratitle\@empty
19536         \ifx\@frontispiece\@empty\else \mbox{}\fi
19537     \else
19538         \@makeextratitle
19539     \fi
19540     \ifx\@frontispiece\@empty
19541         \ifx\@extratitle\@empty\else\next@tdpage\fi
19542     \else
19543         \next@tpage
19544         \@makefrontispiece
19545         \next@tdpage
19546     \fi
19547     \@maketitle
19548 \fi

```



```

19549 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
19550 \@thanks\global\let\@thanks\@empty
19551 \endgroup
19552 \fi
19553 \setcounter{footnote}{0}%
19554 \expandafter\ifnum \csname scr@v3.12\endcsname>\scr@compatibility\relax
19555 \let\thanks\relax
19556 \let\LTRthanks\relax
19557 \let\RTLthanks\relax
19558 \let\maketitle\relax
19559 \let\@maketitle\relax
19560 \global\let\@thanks\@empty
19561 \global\let\@author\@empty
19562 \global\let\@date\@empty
19563 \global\let\@title\@empty
19564 \global\let\@subtitle\@empty
19565 \global\let\@extratitle\@empty
19566 \global\let\@frontispiece\@empty
19567 \global\let\@titlehead\@empty
19568 \global\let\@subject\@empty
19569 \global\let\@publishers\@empty
19570 \global\let\@uppertitleback\@empty
19571 \global\let\@lowertitleback\@empty
19572 \global\let\@dedication\@empty
19573 \global\let\author\relax
19574 \global\let\title\relax
19575 \global\let\extratitle\relax
19576 \global\let\titlehead\relax
19577 \global\let\subject\relax
19578 \global\let\publishers\relax
19579 \global\let\uppertitleback\relax
19580 \global\let\lowertitleback\relax
19581 \global\let\dedication\relax
19582 \global\let\date\relax
19583 \fi
19584 \global\let\and\relax
19585 }%
19586 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
19587 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
19588 \renewcommand*\thesection{%
19589 \expandafter\ifnum\scr@v@is@gt{2.97d}%
19590 \if@mainmatter\thechapter\@SepMark\fi
19591 \else
19592 \thechapter\@SepMark%
19593 \fi
19594 \@arabic\c@section
19595 }
19596 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
19597 \renewcommand*{\thesubsubsection}{%
19598 \thesubsection\@SepMark\@arabic\c@subsubsection
19599 }
19600 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19601 \renewcommand*{\thesubparagraph}{%
19602 \theparagraph\@SepMark\@arabic\c@subparagraph

```



```

19603 }
19604 \expandafter\ifnum\scr@v@is@le{2.97d}%
19605 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
19606 \fi
19607 \expandafter\ifnum\scr@v@is@le{2.97d}%
19608 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
19609 \fi
19610 \renewcommand*\theequation{%
19611 \expandafter\ifnum\scr@v@is@gt{2.97d}%
19612 \if@mainmatter\thechapter\@SepMark\fi
19613 \else
19614 \thechapter\@SepMark%
19615 \fi
19616 \@arabic\c@equation
19617 }
19618 \renewenvironment{thebibliography}[1]{%
19619 \if@bib@break@
19620 \bib@beginhook
19621 \else
19622 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
19623 \setchapterpreamble{\bibpreamble}%
19624 \fi\fi
19625 \bib@heading
19626 \bib@beginhook
19627 \bib@before@hook
19628 \fi
19629 \renewcommand{\BreakBibliography}[1]{%
19630 \@bib@break
19631 \end{thebibliography}%
19632 \begingroup ##1\endgroup
19633 \begin{thebibliography}{#1}
19634 }%
19635 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19636 \bidi@thebibliography@font@hook%
19637 \list{%
19638 \@biblabel{\@arabic\c@enumiv}%
19639 }{%
19640 \settowidth\labelwidth{\@biblabel{#1}}%
19641 \leftmargin\labelwidth
19642 \advance\leftmargin\labelsep
19643 \@openbib@code
19644 \if@bib@break@
19645 \edef\@tempa{%
19646 \noexpand\usecounter{enumiv}%
19647 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
19648 }\@tempa
19649 \no@bib@break
19650 \else
19651 \usecounter{enumiv}%
19652 \fi
19653 \let\p@enumiv\@empty
19654 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
19655 }%
19656 \sloppy\clubpenalty4000 \widowpenalty4000

```



```

19657 \sfcode`\.=\@m
19658 }{%
19659 \if@bib@break@
19660 \def\@noitemerr{%
19661 \@latex@warning{%
19662 \string\BreakBibliography\space at begin of `thebibliography'
19663 environment\MessageBreak
19664 or following \string\BreakBibliography}%
19665 }%
19666 \else
19667 \def\@noitemerr{%
19668 \@latex@warning{%
19669 Empty `thebibliography' environment or
19670 \string\BreakBibliography\MessageBreak
19671 before end of `thebibliography' environment}%
19672 }%
19673 \fi
19674 \endlist
19675 \if@bib@break@
19676 \else
19677 \bib@after@hook
19678 \let\bib@before@hook\@empty
19679 \let\bib@after@hook\@empty
19680 \fi
19681 \bib@endhook
19682 }
19683 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
19684 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
19685 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
19686 \renewcommand\marginline[1]{%
19687 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
19688 }
19689 \renewcommand{\@makecaption}[3]{%
19690 \cap@margin
19691 \begingroup
19692 \ifonelinecaptions
19693 \def\stepcounter##1{\advance\value{##1}\@one}%
19694 \let\refstepcounter\stepcounter
19695 \let\label\@gobble
19696 \let\@footnotetext=\@gobble
19697 \let\@LTRfootnotetext=\@gobble
19698 \let\@RTLfootnotetext=\@gobble
19699 \let\hypertarget\@gobbletwo
19700 \edef\xnewline{%
19701 \unexpanded{\ClassInfo{\KOMAClassName}}{%
19702 Workaround for not recommended usage of \string\ or\MessageBreak
19703 \string\newline in caption text
19704 }%
19705 \hspace*{\linewidth}\hspace{1sp}%
19706 }%
19707 \unexpanded\expandafter{\xnewline}%
19708 }%
19709 \edef\xcentercr{%
19710 \unexpanded{\ClassInfo{\KOMAClassName}}{%

```




```

19711         Workaround for not recommended usage of \string\\ or\MessageBreak
19712         \string\newline in caption text
19713     }%
19714     \hspace*{\linewidth}\hspace{1sp}%
19715 }%
19716 \unexpanded\expandafter{\@xcentercr}%
19717 }%
19718 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
19719 \ifdim\@tempdima>\cap@width
19720     \aftergroup\scr@makemultilinecaption
19721 \else
19722     \aftergroup\scr@makesinglelinecaption
19723 \fi
19724 \else
19725     \aftergroup\scr@makemultilinecaption
19726 \fi
19727 \endgroup
19728 {#1}{#2}{#3}%
19729 }
19730 \renewcommand{\scr@makesinglelinecaption}[3]{%
19731     {%
19732         \usefontofkomafont{caption}{%
19733             \hb@xt@{\hsize{%
19734                 \cap@left
19735                 \if@RTL
19736                     \beginR
19737                     \fi
19738                 \scr@makesinglelinecaption{#1}{#2}{#3}%
19739                 \if@RTL
19740                     \endR
19741                 \fi
19742                 \cap@right
19743             }\par\kern\dp\strutbox%
19744             }%
19745         }\kern-\dp\strutbox
19746     }
19747 \renewcommand{\@makecaption}[2]{%
19748     \if@captionabove
19749         \vskip\belowcaptionskip
19750     \else
19751         \vskip\abovecaptionskip
19752     \fi
19753     \@makecaption\@firstofone{#1}{#2}%
19754     \if@captionabove
19755         \vskip\abovecaptionskip
19756     \else
19757         \vskip\belowcaptionskip
19758     \fi
19759 }
19760
19761 \renewcommand{\scr@makesinglelinecaption}[3]{%
19762     {\usekomafont{caption}{\strut\ignorespaces
19763         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
19764         \ignorespaces #3\unskip}}%

```



```

19765 }
19766
19767 \renewcommand{\scr@makemultilinecaption}[3]{%
19768   {%
19769     \usefontofkomafont{caption}{%
19770       \hb@xt@{\hsize{%
19771         \cap@left
19772         \vbox{\hsize\cap@width\linewidth\hsize
19773           \scr@ifundefinedorrelax{@capttype}{%
19774             \ClassWarning{\KOMAClassName}{%
19775               `string\caption' outside float.\MessageBreak
19776               Seems you are using `string\caption' outside a
19777               float.\MessageBreak
19778               Maybe you are using a package that uses
19779               `string\@makecaption'\MessageBreak
19780               without setting `string\@capttype' before.\MessageBreak
19781               Because I cannot detect the caption type, I'm using\MessageBreak
19782               the empty one.%
19783             }%
19784             \let\@capttype\@empty
19785           }{}%
19786           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
19787             \@nameuse{ragged\@capttype caption}%
19788           }%
19789           \ifdofullc@p
19790             \@hangfrom{%
19791               \strut
19792               \scr@smashdp{%
19793                 #1{%
19794                   \usekomafont{caption}{%
19795                     \usekomafont{captionlabel}{#2\captionformat}%
19796                   }%
19797                 }%
19798               }%
19799             }%
19800             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19801           \else
19802             \ifdim\cap@indent<\z@
19803               \strut
19804               #1{%
19805                 {\usekomafont{caption}{%
19806                   \usekomafont{captionlabel}{#2\captionformat}%
19807                 }%
19808               }\par}%
19809             \noindent{{\usekomafont{caption}{%
19810               \hspace*{-\cap@indent}#3\scr@endstrut
19811             }}\par}%
19812           \else
19813             \if@capbreak
19814               \strut
19815               #1{%
19816                 {\usekomafont{caption}{%
19817                   \usekomafont{captionlabel}{#2\captionformat}%
19818                 }

```



```

19819         }\par}%
19820         \noindent\@hangfrom{\hspace*{\cap@indent}}%
19821         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19822     \else
19823         \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
19824         {%
19825             \hspace{-\cap@indent}%
19826             \scr@smashdp{%
19827                 #1{\usekomafont{caption}{%
19828                     \usekomafont{captionlabel}{#2\captionformat}%
19829                 }}%
19830             }%
19831         }%
19832         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19833     }%
19834     \fi
19835     \fi
19836     \fi
19837     }%
19838     \cap@right
19839 } \par \kern \dp \strutbox
19840 }%
19841 } \kern - \dp \strutbox
19842 }
19843
19844
19845 \bidi@AfterFile{longtable-xetex-bidi.def}{%
19846     \if@komalongtable
19847         \renewcommand{\LT@makecaption}[3]{%
19848             \noalign{%
19849                 \if@captionabove
19850                     \vskip\belowcaptionskip
19851                 \else
19852                     \vskip\abovecaptionskip
19853                 \fi
19854             }%
19855             \LT@mcol\LT@cols c{%
19856                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
19857                     \def\@capytype{table}%
19858                     \@makecaption{#1}{#2}{#3}%
19859                     \endgraf
19860                     \if@captionabove
19861                         \vskip\abovecaptionskip
19862                     \else
19863                         \vskip\belowcaptionskip
19864                     \fi
19865                 }}%
19866                 \hss
19867             }%
19868         }%
19869     }%
19870     \renewcommand*{\scr@LT@array}{}%
19871     \let\scr@LT@array=\LT@array
19872     \renewcommand*{\LT@array}{%

```



```

19873 \let\scr@caption=\LT@caption
19874 \def\captionabove{\noalign{\global\@captionabovetrue}%
19875 \scr@caption}%
19876 \def\captionbelow{\noalign{\global\@captionabovefalse}%
19877 \scr@caption}%
19878 \if@tablecaptionabove
19879 \let\LT@caption=\captionabove
19880 \else
19881 \let\LT@caption=\captionbelow
19882 \fi
19883 \scr@LT@array
19884 }%
19885 \ClassInfo{\KOMAClassName}{%
19886 longtable captions redefined%
19887 }%
19888 \fi
19889 }
19890
19891 \CloneTOCEntryStyle{tocline}{part}
19892 \TOCEntryStyleStartInitCode{part}{%
19893 \expandafter\renewcommand%
19894 \csname scr@tso@#1@linefill\endcsname{\hfill}%
19895 \expandafter\renewcommand%
19896 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
19897 \expandafter\renewcommand%
19898 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19899 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
19900 \expandafter\renewcommand\expandafter*%
19901 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
19902 }
19903
19904 \CloneTOCEntryStyle{tocline}{chapter}
19905 \TOCEntryStyleStartInitCode{chapter}{%
19906 \expandafter\renewcommand%
19907 \csname scr@tso@#1@linefill\endcsname{%
19908 \if@chapterentrywithdots
19909 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
19910 \else
19911 \hfill
19912 \fi
19913 }%
19914 \expandafter\renewcommand%
19915 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
19916 \expandafter\renewcommand%
19917 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19918 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
19919 \expandafter\renewcommand\expandafter*%
19920 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
19921 }
19922
19923 \CloneTOCEntryStyle{tocline}{section}
19924 \TOCEntryStyleStartInitCode{section}{%
19925 \expandafter\renewcommand%
19926 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%

```



```

19927 \expandafter\renewcommand%
19928 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19929 {\normalfont\normalcolor ##1}}%
19930 }
19931
19932 \CloneTOCEntryStyle{section}{default}
19933
19934 \DeclareSectionCommand[%
19935 style=chapter,%
19936 level=\z@,%
19937 pagestyle=plain,%
19938 tocstyle=chapter,%
19939 tocindent=\z@,%
19940 tocnumwidth=1.5em%
19941 ]{chapter}
19942 \DeclareSectionCommand[%
19943 style=section,%
19944 level=1,%
19945 indent=\z@,%
19946 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
19947 afterskip=2.3ex \@plus .2ex,%
19948 tocstyle=section,%
19949 tocindentfollows=chapter,%
19950 tocindent=1.5em,%
19951 tocnumwidth=2.3em%
19952 ]{section}
19953 \DeclareSectionCommand[%
19954 style=part,%
19955 level=\m@ne,%
19956 pagestyle=plain,%
19957 tocstyle=part,%
19958 toclevel=\m@ne,%
19959 tocindent=\z@,%
19960 tocnumwidth=2em%
19961 ]{part}
19962 \DeclareSectionCommand[%
19963 style=section,%
19964 level=2,%
19965 indent=\z@,%
19966 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19967 afterskip=1.5ex \@plus .2ex,%
19968 tocstyle=section,%
19969 tocindent=3.8em,%
19970 tocnumwidth=3.2em%
19971 ]{subsection}
19972 \DeclareSectionCommand[%
19973 style=section,%
19974 level=3,%
19975 indent=\z@,%
19976 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19977 afterskip=1.5ex \@plus .2ex,%
19978 tocstyle=section,%
19979 tocindent=7.0em,%
19980 tocnumwidth=4.1em%

```



```

19981 ]{subsubsection}
19982 \DeclareSectionCommand[%
19983   style=section,%
19984   level=4,%
19985   indent=\z@,%
19986   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19987   afterskip=-1em,%
19988   tocindentfollows=subsubsection,%
19989   tocstyle=section,%
19990   tocindent=10em,%
19991   tocnumwidth=5em%
19992 ]{paragraph}
19993 \DeclareSectionCommand[%
19994   style=section,%
19995   level=5,%
19996   indent=\scr@parindent,%
19997   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19998   afterskip=-1em,%
19999   tocstyle=section,%
20000   tocindent=12em,%
20001   tocnumwidth=6em%
20002 ]{subparagraph}

```

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```

20003 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
20004 \newcommand{\scr@saved@LTRfootnotetext}{}
20005 \newcommand{\scr@saved@RTLfootnotetext}{}
20006 \let\scr@saved@footnotetext\@footnotetext
20007 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
20008 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
20009 \renewcommand{\@footnotetext}[1]{%
20010   \scr@saved@footnotetext{#1}%
20011   \csname FN@mfb@prepare\endcsname
20012 }
20013 \renewcommand{\@LTRfootnotetext}[1]{%
20014   \scr@saved@LTRfootnotetext{#1}%
20015   \csname FN@mfb@prepare\endcsname
20016 }
20017 \renewcommand{\@RTLfootnotetext}[1]{%
20018   \scr@saved@RTLfootnotetext{#1}%
20019   \csname FN@mfb@prepare\endcsname
20020 }
20021 \renewcommand\deffootnote[4][1]{%
20022   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
20023     \long\def\@makefntext#1{%
20024       \ExecuteDoHook{footnote/text/begin}%
20025       \raggedfootnote
20026       \if@RTL
20027         \rightskip
20028       \else
20029         \leftskip
20030       \fi
20031       #2

```



```

20032 \l@addto@macro\@trivlist{%
20033 \ifnum\@listdepth=\@ne
20034 \if@RTL
20035 \advance\rightmargin #2\relax
20036 \else
20037 \advance\leftmargin #2\relax
20038 \fi
20039 \fi
20040 }%
20041 \parindent #3\noindent
20042 \IfArgIsEmpty{#1}{}%
20043 \hskip \dimexpr #1-#2\relax
20044 }%
20045 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20046 \ExecuteDoHook{footnote/text/end}%
20047 }%
20048 \else
20049 \ClassInfo{\KOMAClassName}{%
20050 Using old \string\@makefnmark\space due to compatibility
20051 level\MessageBreak
20052 less than 3.22}%
20053 \long\def\@makefnmark##1{%
20054 \setlength{\@tempdimc}{#3}%
20055 \def\@tempa{#1}\ifx\@tempa\@empty
20056 \setpar{\@par
20057 \@tempdima = \hsize
20058 \addtolength{\@tempdima}{-#2}%
20059 \if@RTL
20060 \parshape \@ne \z@ \@tempdima
20061 \else
20062 \parshape \@ne #2 \@tempdima
20063 \fi
20064 }%
20065 \else
20066 \addtolength{\@tempdimc}{#2}%
20067 \addtolength{\@tempdimc}{-#1}%
20068 \setpar{\@par
20069 \@tempdima = \hsize
20070 \addtolength{\@tempdima}{-#1}%
20071 \@tempdimb = \hsize
20072 \addtolength{\@tempdimb}{-#2}%
20073 \if@RTL
20074 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20075 \else
20076 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20077 \fi
20078 }%
20079 \fi
20080 \par
20081 \parindent\@tempdimc\noindent
20082 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20083 }%
20084 \fi
20085 \def\@makefnmark{\hbox{\ftn@font{#4}}}%

```



```

20086 }
20087 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20088 \renewcommand*\left@footnoterule{%
20089   \normalsize\ftn@rule@test@values
20090   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20091   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20092   {\usekomafont{footnoterule}{%
20093     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
20094   \kern 2.6\p@}
20095 \renewcommand*\right@footnoterule{%
20096   \normalsize\ftn@rule@test@values
20097   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20098   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20099   {\usekomafont{footnoterule}{%
20100     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
20101     \kern 2.6\p@}
20102 \renewcommand*\maketitle[1][1]{%
20103   \expandafter\ifnum \curname scr@v3.12\endcsname>\scr@compatibility\relax
20104   \else
20105     \def\and{%
20106       \end{tabular}%
20107       \hskip 1em \@plus.17fil%
20108       \begin{tabular}[t]{c}%
20109     }%
20110   \fi
20111   \if@titlepage
20112     \begin{titlepage}
20113       \setcounter{page}{%
20114         #1%
20115       }%
20116       \if@titlepageiscoverpage
20117         \edef\titlename@restore{%
20118           \noexpand\endgroup
20119           \noexpand\global\noexpand\@colht\the\@colht
20120           \noexpand\global\noexpand\@colroom\the\@colroom
20121           \noexpand\global\vsizethe\vsizethe
20122           \noexpand\global\noexpand\@titlepageiscoverpagefalse
20123           \noexpand\let\noexpand\titlename@restore\noexpand\relax
20124         }%
20125         \begin{group}
20126           \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20127           \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
20128           \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20129           \textwidth=\dimexpr
20130           \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20131           \textheight=\dimexpr
20132           \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20133           \headheight=0pt
20134           \headsep=0pt
20135           \footskip=\baselineskip
20136           \@colht=\textheight
20137           \@colroom=\textheight
20138           \vsizethe\textheight
20139           \columnwidth=\textwidth

```




```

20140         \hsize=\columnwidth
20141         \linewidth=\hsize
20142     \else
20143         \let\titlepage@restore\relax
20144     \fi
20145     \let\footnotesize\small
20146     \let\right@footnoterule\relax
20147     \let\left@footnoterule\relax
20148     \let\textwidth@footnoterule\relax
20149     \let\footnote\thanks
20150     \let\LTRfootnote\LTRthanks
20151     \let\RTLfootnote\RTLthanks
20152     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20153     \let\oldmakefnmark\makefnmark
20154     \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}%
20155     \ifx\extratitle\empty
20156         \ifx\frontispiece\empty
20157         \else
20158             \if@twoside\mbox{}\next@tpage\fi
20159             \noindent\@frontispiece\next@tdpage
20160         \fi
20161     \else
20162         \noindent\extratitle
20163         \ifx\frontispiece\empty
20164         \else
20165             \next@tpage
20166             \noindent\@frontispiece
20167         \fi
20168         \next@tdpage
20169     \fi
20170     \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updateerelative
20171     \ifx\titlehead\empty \else
20172         \begin{minipage}[t]{\textwidth}%
20173             \usekomafont{titlehead}{\@titlehead\par}%
20174             \end{minipage}\par
20175     \fi
20176     \null\vfill
20177     \begin{center}
20178         \ifx\subject\empty \else
20179             {\usekomafont{subject}{\@subject\par}}%
20180             \vskip 3em
20181         \fi
20182         {\usekomafont{title}{\huge \@title\par}}%
20183         \vskip 1em
20184         {\ifx\subtitle\empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20185         \vskip 2em
20186         {%
20187             \usekomafont{author}{%
20188                 \lineskip 0.75em
20189                 \begin{tabular}[t]{c}
20190                     \@author
20191                 \end{tabular}\par
20192             }%
20193         }%

```



```

20194      \vskip 1.5em
20195      {\usekomafont{date}}{\@date \par}}%
20196      \vskip \z@ \@plus3fill
20197      {\usekomafont{publishers}}{\@publishers \par}}%
20198      \vskip 3em
20199      \end{center}\par
20200      \@thanks\global\let\@thanks\@empty
20201      \vfill\null
20202      \if@twoside
20203        \@tempswatrue
20204        \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
20205        \else
20206          \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20207            \@tempswafalse
20208          \fi\fi
20209        \fi
20210        \if@tempswa
20211          \next@tpage
20212          \begin{minipage}[t]{\textwidth}
20213            \@uppertitleback
20214          \end{minipage}\par
20215          \vfill
20216          \begin{minipage}[b]{\textwidth}
20217            \@lowertitleback
20218          \end{minipage}\par
20219          \@thanks\global\let\@thanks\@empty
20220        \fi
20221      \else
20222        \ifx\@uppertitleback\@empty\else
20223          \ClassWarning{\KOMAClassName}{%
20224            non empty \string\uppertitleback\space ignored
20225            by \string\maketitle\MessageBreak
20226            in `twoside=false' mode%
20227          }%
20228        \fi
20229        \ifx\@lowertitleback\@empty\else
20230          \ClassWarning{\KOMAClassName}{%
20231            non empty \string\lowertitleback\space ignored
20232            by \string\maketitle\MessageBreak
20233            in `twoside=false' mode%
20234          }%
20235        \fi
20236      \fi
20237      \ifx\@dedication\@empty
20238      \else
20239        \next@tdpage\null\vfill
20240        {\centering\usekomafont{dedication}}{\@dedication \par}}%
20241        \vskip \z@ \@plus3fill
20242        \@thanks\global\let\@thanks\@empty
20243        \cleardoubleemptypage
20244      \fi
20245      \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
20246    \end{titlepage}
20247  \else

```



```

20248 \par
20249 \@tempcnta=%
20250 #1%
20251 \relax\ifnum\@tempcnta=1\else
20252 \ClassWarning{\KOMAClassName}{%
20253 Optional argument of \string\maketitle\space ignored\MessageBreak
20254 in `titlepage=false' mode%
20255 }%
20256 \fi
20257 \ifx\@uppertitleback\@empty\else
20258 \ClassWarning{\KOMAClassName}{%
20259 non empty \string\uppertitleback\space ignored
20260 by \string\maketitle\MessageBreak
20261 in `titlepage=false' mode%
20262 }%
20263 \fi
20264 \ifx\@lowertitleback\@empty\else
20265 \ClassWarning{\KOMAClassName}{%
20266 non empty \string\lowertitleback\space ignored
20267 by \string\maketitle\MessageBreak
20268 in `titlepage=false' mode%
20269 }%
20270 \fi
20271 \begingroup
20272 \let\titlename\@empty\relax
20273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20274 \let\@oldmakefnmark\@makefnmark
20275 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
20276 \next@tdpage
20277 \if@twocolumn
20278 \ifnum \col@number=\@one
20279 \ifx\@extratitle\@empty
20280 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20281 \else
20282 \@makeextratitle
20283 \fi
20284 \ifx\@frontispiece\@empty
20285 \ifx\@extratitle\@empty\else\next@tdpage\fi
20286 \else
20287 \next@tpage
20288 \@makefrontispiece
20289 \next@tdpage
20290 \fi
20291 \@maketitle
20292 \else
20293 \ifx\@extratitle\@empty
20294 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20295 \else
20296 \twocolumn[\@makeextratitle]%
20297 \fi
20298 \ifx\@frontispiece\@empty
20299 \ifx\@extratitle\@empty\else\next@tdpage\fi
20300 \else
20301 \next@tpage

```



```

20302         \twocolumn[\@makefrontispiece]%
20303         \next@tdpage
20304     \fi
20305     \twocolumn[\@maketitle]%
20306 \fi
20307 \else
20308     \ifx\@extratitle\@empty
20309     \ifx\@frontispiece\@empty\else \mbox{}\fi
20310     \else
20311     \@makeextratitle
20312     \fi
20313     \ifx\@frontispiece\@empty
20314     \ifx\@extratitle\@empty\else\next@tdpage\fi
20315     \else
20316     \next@tpage
20317     \@makefrontispiece
20318     \next@tdpage
20319     \fi
20320     \@maketitle
20321 \fi
20322     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20323     \@thanks\global\let\@thanks\@empty
20324 \endgroup
20325 \fi
20326 \setcounter{footnote}{0}%
20327 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20328     \let\thanks\relax
20329     \let\LTRthanks\relax
20330     \let\RTLthanks\relax
20331     \let\maketitle\relax
20332     \let\@maketitle\relax
20333     \global\let\@thanks\@empty
20334     \global\let\@author\@empty
20335     \global\let\@date\@empty
20336     \global\let\@title\@empty
20337     \global\let\@subtitle\@empty
20338     \global\let\@extratitle\@empty
20339     \global\let\@frontispiece\@empty
20340     \global\let\@titlehead\@empty
20341     \global\let\@subject\@empty
20342     \global\let\@publishers\@empty
20343     \global\let\@uppertitleback\@empty
20344     \global\let\@lowertitleback\@empty
20345     \global\let\@dedication\@empty
20346     \global\let\author\relax
20347     \global\let\title\relax
20348     \global\let\extratitle\relax
20349     \global\let\titlehead\relax
20350     \global\let\subject\relax
20351     \global\let\publishers\relax
20352     \global\let\uppertitleback\relax
20353     \global\let\lowertitleback\relax
20354     \global\let\dedication\relax
20355     \global\let\date\relax

```



```

20356 \fi
20357 \global\let\and\relax
20358 }%
20359 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20360 \renewcommand*\autodot{\if@altsecnumformat\SepMark\fi}
20361 \renewcommand*\thesection{%
20362 \thechapter\SepMark%
20363 \@arabic\c@section
20364 }
20365 \renewcommand*\thesubsection{\thesection\SepMark\@arabic\c@subsection}
20366 \renewcommand*\thesubsubsection{%
20367 \thesubsection\SepMark\@arabic\c@subsubsection
20368 }
20369 \renewcommand*\theparagraph{\thesubsubsection\SepMark\@arabic\c@paragraph}
20370 \renewcommand*\thesubparagraph{%
20371 \theparagraph\SepMark\@arabic\c@subparagraph
20372 }
20373 \expandafter\ifnum\scr@v@is@le{2.97d}%
20374 \renewcommand*\thefigure{\thechapter\SepMark\@arabic\c@figure}
20375 \fi
20376 \expandafter\ifnum\scr@v@is@le{2.97d}%
20377 \renewcommand*\thetable{\thechapter\SepMark\@arabic\c@table}
20378 \fi
20379 \renewcommand*\theequation{%
20380 \thechapter\SepMark%
20381 \@arabic\c@equation
20382 }
20383 \renewenvironment{thebibliography}[1]{%
20384 \if@bib@break@
20385 \bib@beginhook
20386 \else
20387 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20388 \setchapterpreamble{\bibpreamble}%
20389 \fi\fi
20390 \bib@heading
20391 \bib@beginhook
20392 \bib@before@hook
20393 \fi
20394 \renewcommand{\BreakBibliography}[1]{%
20395 \@bib@break
20396 \end{thebibliography}%
20397 \begingroup ##1\endgroup
20398 \begin{thebibliography}{#1}
20399 }%
20400 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20401 \bidi@thebibliography@font@hook%
20402 \list{%
20403 \@biblabel{\@arabic\c@enumiv}%
20404 }{%
20405 \settowidth\labelwidth{\@biblabel{#1}}%
20406 \leftmargin\labelwidth
20407 \advance\leftmargin\labelsep
20408 \@openbib@code
20409 \if@bib@break@

```



```

20410     \edef\@tempa{%
20411         \noexpand\usecounter{enumiv}%
20412         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20413     }\@tempa
20414     \no@bib@break
20415 \else
20416     \usecounter{enumiv}%
20417 \fi
20418 \let\p@enumiv\@empty
20419 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20420 }%
20421 \sloppy\clubpenalty4000 \widowpenalty4000
20422 \sfcode`\.=\@m
20423 }{%
20424     \if@bib@break@
20425         \def\@noitemerr{%
20426             \@latex@warning{%
20427                 \string\BreakBibliography\space at begin of `thebibliography'
20428                 environment\MessageBreak
20429                 or following \string\BreakBibliography}%
20430             }%
20431     \else
20432         \def\@noitemerr{%
20433             \@latex@warning{%
20434                 Empty `thebibliography' environment or
20435                 \string\BreakBibliography\MessageBreak
20436                 before end of `thebibliography' environment}%
20437             }%
20438     \fi
20439 \endlist
20440 \if@bib@break@
20441 \else
20442     \bib@after@hook
20443     \let\bib@before@hook\@empty
20444     \let\bib@after@hook\@empty
20445 \fi
20446 \bib@endhook
20447 }
20448 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
20449 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
20450 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
20451 \renewcommand\marginline[1]{%
20452     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
20453 }
20454 \renewcommand{\@makecaption}[3]{%
20455     \cap@margin
20456     \begingroup
20457         \ifonelinecaptions
20458             \def\stepcounter##1{\advance\value{##1}\@ne}%
20459             \let\refstepcounter\stepcounter
20460             \let\label\@gobble
20461             \let\@footnotetext=\@gobble
20462             \let\@LTRfootnotetext=\@gobble
20463             \let\@RTLfootnotetext=\@gobble

```



```

20464 \let\hypertarget\@gobbletwo
20465 \edef\xnewline{%
20466   \unexpanded{\ClassInfo{\KOMAClassName}{%
20467     Workaround for not recommended usage of \string\\ or\MessageBreak
20468     \string\newline in caption text
20469   }}%
20470   \hspace*{\linewidth}\hspace{1sp}%
20471 }%
20472 \unexpanded\expandafter{\xnewline}%
20473 }%
20474 \edef\xcentercr{%
20475   \unexpanded{\ClassInfo{\KOMAClassName}{%
20476     Workaround for not recommended usage of \string\\ or\MessageBreak
20477     \string\newline in caption text
20478   }}%
20479   \hspace*{\linewidth}\hspace{1sp}%
20480 }%
20481 \unexpanded\expandafter{\xcentercr}%
20482 }%
20483 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20484 \ifdim\@tempdima>\cap@width
20485   \aftergroup\scr@makemultilinecaption
20486 \else
20487   \aftergroup\scr@makesinglelinecaption
20488 \fi
20489 \else
20490   \aftergroup\scr@makemultilinecaption
20491 \fi
20492 \endgroup
20493 {#1}{#2}{#3}%
20494 }
20495 \renewcommand{\scr@makesinglelinecaption}[3]{%
20496   {%
20497     \usefontofkomafont{caption}{%
20498       \hb@xt@\hsize{%
20499         \cap@left
20500         \if@RTL
20501           \beginR
20502         \fi
20503         \scr@makesinglelinecaption{#1}{#2}{#3}%
20504         \if@RTL
20505           \endR
20506         \fi
20507         \cap@right
20508       }\par\kern\dp\strutbox%
20509     }%
20510   }\kern-\dp\strutbox
20511 }
20512 \renewcommand{\@makecaption}[2]{%
20513   \if@captionabove
20514     \vskip\belowcaptionskip
20515   \else
20516     \vskip\abovecaptionskip
20517   \fi

```



```

20518 \@@makecaption\@firstofone{#1}{#2}%
20519 \if@captionabove
20520 \vskip\abovecaptionskip
20521 \else
20522 \vskip\belowcaptionskip
20523 \fi
20524 }
20525
20526 \renewcommand{\scr@@makesinglelinecaption}[3]{%
20527   {\usekomafont{caption}{\strut\ignorespaces
20528     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20529     \ignorespaces #3\unskip}}%
20530 }
20531
20532 \renewcommand{\scr@makemultilinecaption}[3]{%
20533   {%
20534     \usefontofkomafont{caption}{%
20535       \hb@xt@\hsize{%
20536         \cap@left
20537         \vbox{\hsize\cap@width\linewidth\hsize
20538           \scr@ifundefinedorrelax{@captype}{%
20539             \ClassWarning{\KOMAClassName}{%
20540               `string\caption' outside float.\MessageBreak
20541               Seems you are using `string\caption' outside a
20542               float.\MessageBreak
20543               Maybe you are using a package that uses
20544               `string\makecaption'\MessageBreak
20545               without setting `string\@captype' before.\MessageBreak
20546               Because I cannot detect the caption type, I'm using\MessageBreak
20547               the empty one.%
20548             }%
20549             \let\@captype\@empty
20550           }}%
20551           \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
20552             \@nameuse{ragged\@captype caption}%
20553           }%
20554           \ifdofullc@p
20555             \@hangfrom{%
20556               \strut
20557               \scr@smashdp{%
20558                 #1{%
20559                   \usekomafont{caption}{%
20560                     \usekomafont{captionlabel}{#2\captionformat}%
20561                   }%
20562                 }%
20563               }%
20564             }%
20565             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20566           \else
20567             \ifdim\cap@indent<\z@
20568               \strut
20569               #1{%
20570                 {\usekomafont{caption}{%
20571                   \usekomafont{captionlabel}{#2\captionformat}%

```




```

20572         }%
20573     }\par}%
20574     \noindent{\usekomafont{caption}{%
20575         \hspace*{-\cap@indent}\#3\scr@endstrut
20576     }}\par}%
20577 \else
20578     \if@capbreak
20579         \strut
20580         #1{%
20581             {\usekomafont{caption}{%
20582                 \usekomafont{captionlabel}{\#2\captionformat}%
20583             }}%
20584         }\par}%
20585     \noindent\@hangfrom{\hspace*{\cap@indent}}%
20586     {\usekomafont{caption}{\#3\scr@endstrut}}\par}%
20587 \else
20588     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20589     {%
20590         \hspace*{-\cap@indent}%
20591         \scr@smashdp{%
20592             #1{\usekomafont{caption}{%
20593                 \usekomafont{captionlabel}{\#2\captionformat}%
20594             }}%
20595         }%
20596     }%
20597     {\usekomafont{caption}{\#3\scr@endstrut}}\par}%
20598 }%
20599 \fi
20600 \fi
20601 \fi
20602 }%
20603 \cap@right
20604 }\par\kern\dp\strutbox
20605 }%
20606 }\kern-\dp\strutbox
20607 }
20608
20609
20610 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20611     \if@komalongtable
20612         \renewcommand{\LT@makecaption}[3]{%
20613             \noalign{%
20614                 \if@captionabove
20615                     \vskip\belowcaptionskip
20616                 \else
20617                     \vskip\abovecaptionskip
20618                 \fi
20619             }%
20620             \LT@mcol\LT@cols c{%
20621                 \hbox to\z@{\hss\parbox[t]{\linewidth}{%
20622                     \def\@capytype{table}%
20623                     \@makecaption{\#1}{\#2}{\#3}%
20624                     \endgraf
20625                     \if@captionabove

```



```

20626         \vskip\abovecaptionskip
20627         \else
20628         \vskip\belowcaptionskip
20629         \fi
20630     }%
20631     \hss
20632 }%
20633 }%
20634 }%
20635 \renewcommand*{\scr@LT@array}{}%
20636 \let\scr@LT@array=\LT@array
20637 \renewcommand*{\LT@array}{%
20638     \let\scr@caption=\LT@caption
20639     \def\captionabove{\noalign{\global\@captionabovetrue}%
20640         \scr@caption}%
20641     \def\captionbelow{\noalign{\global\@captionabovefalse}%
20642         \scr@caption}%
20643     \if@tablecaptionabove
20644         \let\LT@caption=\captionabove
20645     \else
20646         \let\LT@caption=\captionbelow
20647     \fi
20648     \scr@LT@array
20649 }%
20650 \ClassInfo{\KOMAClassName}{%
20651     longtable captions redefined%
20652 }%
20653 \fi
20654 }
20655
20656 \CloneTOCEntryStyle{tocline}{part}
20657 \TOCEntryStyleStartInitCode{part}{%
20658     \expandafter\renewcommand%
20659     \csname scr@tso@#1@linefill\endcsname{\hfill}%
20660     \expandafter\renewcommand%
20661     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20662     \expandafter\renewcommand%
20663     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20664         {\usekomafont{partentry}{\usekomafont{partentry}pagenumber}{##1}}}%
20665     \expandafter\renewcommand\expandafter*%
20666     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
20667 }
20668
20669 \CloneTOCEntryStyle{tocline}{chapter}
20670 \TOCEntryStyleStartInitCode{chapter}{%
20671     \expandafter\renewcommand%
20672     \csname scr@tso@#1@linefill\endcsname{%
20673         \if@chapterentrywithdots
20674             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
20675         \else
20676             \hfill
20677         \fi
20678     }%
20679     \expandafter\renewcommand%

```



```

20680 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
20681 \expandafter\renewcommand%
20682 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20683   {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
20684 \expandafter\renewcommand\expandafter*%
20685 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
20686 }
20687
20688 \CloneTOCEntryStyle{tocline}{section}
20689 \TOCEntryStyleStartInitCode{section}{%
20690   \expandafter\renewcommand%
20691   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20692   \expandafter\renewcommand%
20693   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20694     {\normalfont\normalcolor ##1}}%
20695 }
20696
20697 \CloneTOCEntryStyle{section}{default}
20698
20699 \DeclareSectionCommand[%
20700   style=chapter,%
20701   level=\z@,%
20702   pagestyle=plain,%
20703   tocstyle=chapter,%
20704   tocindent=\z@,%
20705   tocnumwidth=1.5em%
20706 ]{chapter}
20707 \DeclareSectionCommand[%
20708   style=section,%
20709   level=1,%
20710   indent=\z@,%
20711   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
20712   afterskip=2.3ex \@plus .2ex,%
20713   tocstyle=section,%
20714   tocindentfollows=chapter,%
20715   tocindent=1.5em,%
20716   tocnumwidth=2.3em%
20717 ]{section}
20718 \DeclareSectionCommand[%
20719   style=part,%
20720   level=\m@ne,%
20721   pagestyle=plain,%
20722   tocstyle=part,%
20723   toclevel=\m@ne,%
20724   tocindent=\z@,%
20725   tocnumwidth=2em%
20726 ]{part}
20727 \DeclareSectionCommand[%
20728   style=section,%
20729   level=2,%
20730   indent=\z@,%
20731   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
20732   afterskip=1.5ex \@plus .2ex,%
20733   tocstyle=section,%

```



```

20734   tocindent=3.8em,%
20735   tocnumwidth=3.2em%
20736 ]{subsection}
20737 \DeclareSectionCommand[%
20738   style=section,%
20739   level=3,%
20740   indent=\z@,%
20741   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20742   afterskip=1.5ex \@plus .2ex,%
20743   tocstyle=section,%
20744   tocindent=7.0em,%
20745   tocnumwidth=4.1em%
20746 ]{subsubsection}
20747 \DeclareSectionCommand[%
20748   style=section,%
20749   level=4,%
20750   indent=\z@,%
20751   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
20752   afterskip=-1em,%
20753   tocindentfollows=subsubsection,%
20754   tocstyle=section,%
20755   tocindent=10em,%
20756   tocnumwidth=5em%
20757 ]{paragraph}
20758 \DeclareSectionCommand[%
20759   style=section,%
20760   level=5,%
20761   indent=\scr@parindent,%
20762   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
20763   afterskip=-1em,%
20764   tocstyle=section,%
20765   tocindent=12em,%
20766   tocnumwidth=6em%
20767 ]{subparagraph}

```

129 File `sidecap-xetex-bidi.def`

```

20768 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
20769 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
20770   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}\else%
20771   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}\fi}
20772 \renewcommand*\SC@justify@caption{\if@RTL%
20773   \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
20774   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

130 File `soul-xetex-bidi.def`

```

20775 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
20776 \long\def\SOUL@start#1{%
20777   \let\bid@RTL@everypar@empty
20778   \let\<\SOUL@lowerthan
20779   \let\>\empty
20780   \def\soulomit{\noexpand\soulomit}%
20781   \gdef\SOUL@eventuallyxhyphen##1{%

```



```

20782 \let\SOUL@soeventuallyskip\relax
20783 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
20784 \@minus\fontdimen4\font
20785 \SOUL@ignorespacesfalse
20786 \leavevmode
20787 \SOUL@preamble
20788 \SOUL@lasttoken={}%
20789 \SOUL@word={}%
20790 \SOUL@minus\z@
20791 \SOUL@comma\z@
20792 \SOUL@apo\z@
20793 \SOUL@grave\z@
20794 \SOUL@do{#1}%
20795 \SOUL@postamble
20796 }}
20797 \def\SOUL@ulunderline#1{%
20798 \setbox\z@\hbox{#1}%
20799 \dimen@=\wd\z@
20800 \dimen@i=\SOUL@uloverlap
20801 \advance\dimen@2\dimen@i
20802 \if@RTL
20803 \unhcopy\z@
20804 \llap{%
20805 \null
20806 \kern-\dimen@i
20807 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
20808 }%
20809 \else
20810 \rlap{%
20811 \null
20812 \kern-\dimen@i
20813 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
20814 }%
20815 \unhcopy\z@
20816 \fi
20817 }}
20818 \def\bidi@SOUL@ulleaders{%
20819 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\n
20820 }
20821 \def\SOUL@uleveryspace#1{%
20822 \if@RTL
20823 #1%
20824 \bidi@SOUL@ulleaders
20825 \hskip\spaceskip
20826 \else
20827 \SOUL@ulcolor{%
20828 #1%
20829 \SOUL@ulleaders
20830 \hskip\spaceskip
20831 }%
20832 \fi
20833 \null
20834 }

```



131 File stabular-xetex-bidi.def

```
20835 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
20836 \def\@stabular{%
20837   \leavevmode \bgroup \if@RTLtab\beginR \fi
20838   \let\@acol\@tabacol
20839   \let\@classz\@tabclassz
20840   \let\@classiv\@tabclassiv \let\\\@tabularcrr\@stabarray}
20841 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20842   \egroup \if@RTLtab\endR\fi\egroup}
20843 \expandafter \let \csname endstabular*\endcsname = \endstabular
20844 \def\sarray[#1]#2{%
20845   \bgroup
20846   \setbox\@arstrutbox\hbox{%
20847     \vrule \@height\arraystretch\ht\strutbox
20848     \@depth\arraystretch \dp\strutbox
20849     \@width\z@}%
20850   \mkpream{#2}%
20851   \edef\@preamble{%
20852     \ialign \noexpand\@halignto
20853       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20854   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20855   \let\tabularnewline\\
20856   \let\@sharp##%
20857   \set@typeset@protect
20858   \lineskip\z@skip\baselineskip\z@skip
20859   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
20860   \@preamble}
```

132 File subfigure-xetex-bidi.def

```
20861 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
20862 \AtBeginDocument{%
20863 \let\p@subfigure=\thefigure
20864 \let\p@subtable=\thetable%
20865 }
```

133 File tabs-xetex-bidi.def

```
20866 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
20867 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
20868
20869 \expandafter\let\csname endtabular*\endcsname=\endtabular
20870
20871 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
20872   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
20873   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
20874
20875 \def\@array[#1]#2{% remember global variables to allow recursion:
20876   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
20877     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
20878   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
20879   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
20880   \else \let\@tarlinesep\tablinesep \fi}
```



```

20881 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
20882 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
20883 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
20884 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
20885   \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
20886   \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
20887 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
20888   \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
20889 \let\protect\noexpand
20890 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
20891 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
20892 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20893 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
20894 \bgroup \let\par\@empty
20895 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
20896 \advance\extrarulesep.5\arrayrulewidth
20897 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
20898 \ifRTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
20899 \@preamble}

```

134 File tabularx-xetex-bidi.def

```

20900 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
20901 \def\TX@endtabularx{%
20902   \expandafter\expandafter\expandafter
20903     \TX@find@endtabularxa\csname end\TX@\endcsname
20904     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
20905   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
20906   \let\verb\TX@verb
20907   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
20908   \edef\TX@ckpt{\cl@ckpt}%
20909   \let\@elt\relax
20910   \TX@old@table\maxdimen
20911   \TX@col@width\TX@target
20912   \global\TX@cols\@ne
20913   \TX@typeout@
20914     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
20915   \TX@trial{\def\NC@rewriteX{%
20916     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
20917   \loop
20918     \TX@arith
20919     \ifTX@
20920       \TX@trial}%
20921   \repeat
20922   {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
20923     \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
20924     \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
20925     \csname tabular*\expandafter\endcsname\expandafter\TX@target
20926       \the\toks@
20927     \csname endtabular*\endcsname}%
20928   \global\TX@fnt\expandafter{\expandafter}\the\TX@fnt
20929   \ifnum0=`{\fi}%
20930   \expandafter\expandafter\expandafter
20931     \TX@find@endtabularxbb

```



```

20932 \expandafter\end\expandafter{\TX@}%
20933 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
20934 }
20935
20936 \def\TX@trial#1{%
20937 \setbox\@tempboxa\hbox{%
20938 #1\relax
20939 \let\@footnotetext\TX@trial@ftn
20940 \let\@LTRfootnotetext\TX@trial@ftn
20941 \let\@RTLfootnotetext\TX@trial@ftn
20942 \let\TX@vwarn\@empty
20943 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
20944 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
20945 \def\write{\begingroup
20946 \def\let{\afterassignment\endgroup\toks@}%
20947 \afterassignment\let\count@}%
20948 \hbadness\@M
20949 \hfuzz\maxdimen
20950 \let\hbadness\@tempcnta
20951 \let\hfuzz\@tempdima
20952 \expandafter\tabular\the\toks@
20953 \endtabular}%
20954 \TX@ckpt
20955 \TX@typeout@{\@spaces
20956 \expandafter\TX@align
20957 \the\wd\@tempboxa\space\space\space\space\space\@
20958 \expandafter\TX@align
20959 \the\TX@col@width\space\space\space\space\space\@
20960 \@spaces\the\TX@cols}}
20961
20962 \long\def\TX@LTRftntext#1{%
20963 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
20964 [\the\csname c@\@mpfn\endcsname]}%
20965 \global\TX@ftn\expandafter{\@tempa{#1}}}%
20966 \long\def\TX@xLTRftntext[#1]#2{%
20967 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
20968
20969 \long\def\TX@RTLftntext#1{%
20970 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
20971 [\the\csname c@\@mpfn\endcsname]}%
20972 \global\TX@ftn\expandafter{\@tempa{#1}}}%
20973 \long\def\TX@xRTLftntext[#1]#2{%
20974 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

135 File tabulary-xetex-bidi.def

```

20975 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
20976 \def\@testpach{\@chclass
20977 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
20978 \ifnum \@lastchclass=7 5 \else
20979 \ifnum \@lastchclass=8 \tw@ \else
20980 \ifnum \@lastchclass=9 \thr@@
20981 \else \z@
20982 \ifnum \@lastchclass = 10 \else

```




```

20983 \edef\@nextchar{\expandafter\string\@nextchar}%
20984 \@chnum
20985 \if \@nextchar c\z@ \else
20986 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
20987 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
20988 \if \@nextchar C7 \else
20989 \if \@nextchar L8 \else
20990 \if \@nextchar R9 \else
20991 \if \@nextchar J10 \else
20992 \z@ \@chclass
20993 \if\@nextchar |\@ne \else
20994 \if \@nextchar !6 \else
20995 \if \@nextchar @7 \else
20996 \if \@nextchar <8 \else
20997 \if \@nextchar >9 \else
20998 10
20999 \@chnum
21000 \if \@nextchar m\thr@@\else
21001 \if \@nextchar p4 \else
21002 \if \@nextchar b5 \else
21003 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
21004 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

136 File tc-xetex-bidi.def

```

21005 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
21006 \def\@cliptoboxdim#1{%
21007 \setbox#1=\hbox{%
21008 \Gin@defaultbp\WIDTH{\wd#1}%
21009 \Gin@defaultbp\DEPTH{\dp#1}%
21010 \@tempdima\ht#1%
21011 \advance\@tempdima\dp#1%
21012 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
21013 \beginL\special{pdf:bcontent }%
21014 \special{%
21015 pdf:literal direct
21016 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
21017 }%
21018 \special{pdf:literal direct W }%
21019 \special{pdf:literal direct n }%
21020 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
21021 \special{pdf:econtent }\endL%
21022 }%
21023 }

```

137 File tcolorbox-xetex-bidi.def

```

21024 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
21025 \let\endtcbl@lrbox=\endminipage
21026 \let\endtcbl@savebox=\endtcbl@lrbox
21027
21028 \bidi@patchcmd{\tcb@vbox}{%
21029 \let\@footnotetext\@mpfootnotetext%
21030 }{%

```



```

21031 \let\@footnotetext\@mpfootnotetext%
21032 \let\@LTRfootnotetext\@mpLTRfootnotetext%
21033 \let\@RTLfootnotetext\@mpRTLfootnotetext%
21034 }{}{}
21035
21036 \bidi@patchcmd{\endtcbox}{%
21037   \footnoterule%
21038 }{%
21039   \bidi@mpfootnoterule%
21040 }{}{}
21041 \bidi@apptocmd\tcb@icolorbox{%
21042   \@bidi@list@minipage@parboxfalse
21043 }{}{}

```

138 File titlesec-xetex-bidi.def

```

21044 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
21045 \renewcommand\filright{%
21046   \gdef\ttl@filleft##1{\hskip##1}%
21047   \gdef\ttl@filright##1{\hfill}%
21048   \let\\\@centercr
21049   \advance\rightskip\z@ \@plus 1fil
21050   \parfillskip\z@}
21051 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
21052   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
21053   \setlength\leftskip{#6}%
21054   \setlength\rightskip{#7}%
21055   \interlinepenalty\@M
21056   \ttl@change@centercr
21057   \ttl@beginlongest
21058   #1{\ifhmode\ttl@hmode@error\fi
21059     \ttl@glcmds
21060     \parindent\z@
21061     \leavevmode
21062     \begin@group
21063     \ifttl@label
21064       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
21065       \if@RTL\advance\rightskip\wd\z@else\advance\leftskip\wd\z@\fi
21066       \llap{\box\z@}%
21067     \fi
21068     #4{#8}%
21069     \kern\z@\strut\@par
21070   \endgroup
21071   \nobreak\ttl@midlongest#5\@par}%
21072 \ttl@endlongest}

```

139 File titletoc-xetex-bidi.def

```

21073 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
21074 \renewcommand\filright{%
21075   \gdef\ttl@filleft##1{\hskip##1}%
21076   \gdef\ttl@filright##1{\hfill}%
21077   \let\\\@centercr
21078   \advance\rightskip\z@ \@plus 1fil

```



```

21079 \parfillskip\z@}
21080 \renewcommand\contentspush[1]{%
21081   \sbox\z@{#1}%
21082   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
21083   \aftergroup\ttl@b
21084   \leavevmode\llap{\box\z@}}
21085 \def\ttl@outnoblock#1#2#3{%
21086   \begingroup
21087   \ifnum\ttl@b>\ttl@a
21088     \nobreak
21089   \else\ifnum\ttl@b<\ttl@a
21090     \addpenalty{\@secpenalty}%
21091   \else
21092     \addpenalty{\z@}%
21093   \fi\fi
21094   \ttl@contentsstretch
21095   \nobreak
21096   \ifcase#1\relax\else\interlinepenalty\@M\fi
21097   \parindent\z@
21098   \ifx\@nil#2%
21099     \PackageError{titletoc}{Unimplemented}%
21100     {The optional argument is currently mandatory}%
21101   \else
21102     \if@RTL\setlength\rightskip{#2}\else
21103     \setlength\leftskip{#2}\fi%
21104   \fi
21105   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
21106   \let\contentsmargin\ttl@margin
21107   \def\ttl@makeline##1{##1}%
21108   #3%
21109   \addtolength{\parfillskip}{-\ttl@corr}%
21110   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
21111   \let\ttl@leaders\leaders}
21112 \renewcommand\ttl@margin[2][\z@]{%
21113   \def\ttl@corr{#1}%
21114   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
21115   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
21116   \def\@pnumwidth{#2}}
21117 \let\ttl@savel@part\l@part
21118 \def\l@part{\ttl@lselect{part}}
21119
21120 \let\ttl@savel@chapter\l@chapter
21121 \def\l@chapter{\ttl@lselect{chapter}}

```

140 File tocbibind-xetex-bidi.def

```

21122 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
21123 \if@dotocbib
21124   \@ifpackageloaded{natbib}{}{% natbib not loaded
21125     \renewcommand{\bibsection}{\t@cb@bchapsec}
21126     \renewenvironment{thebibliography}[1]{%
21127       \bibsection
21128       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
21129     \renewenvironment{thebibitemlist}[1]{

```



```

21130 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21131 \bidi@thebibliography@font@hook%
21132 \list{\@biblabel{\@arabic\c@enumiv}}%
21133     {\settowidth\labelwidth{\@biblabel{#1}}%
21134      \leftmargin\labelwidth
21135      \advance\leftmargin\labelsep
21136      \@openbib@code
21137      \usecounter{enumiv}%
21138      \let\p@enumiv\@empty
21139      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21140 \sloppy
21141 \clubpenalty4000
21142 \@clubpenalty \clubpenalty
21143 \widowpenalty4000%
21144 \sfcode\.\@m}
21145 {\def\@noitemerr
21146  {\@latex@warning{Empty `thebibliography' environment}}}%
21147 \endlist}
21148
21149 \@ifpackagewith{chapterbib}{sectionbib}%
21150 {\renewcommand{\sectionbib}[2]{}}%
21151 {}
21152
21153 \fi
21154 \if@inltxdoc\else
21155   \renewenvironment{theindex}%
21156   {\if@twocolumn
21157    \@restonecolfalse
21158    \else
21159      \@restonecoltrue
21160    \fi
21161    \if@bibchapter
21162      \if@donumindex
21163        \refstepcounter{chapter}
21164        \twocolumn[\vspace*{2\topskip}%
21165          \@makechapterhead{\indexname}}%
21166        \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
21167        \chaptermark{\indexname}
21168      \else
21169        \if@dotocind
21170          \twocolumn[\vspace*{2\topskip}%
21171            \@makeschapterhead{\indexname}}%
21172          \prw@mkboth{\indexname}
21173          \addcontentsline{toc}{chapter}{\indexname}
21174        \else
21175          \twocolumn[\vspace*{2\topskip}%
21176            \@makeschapterhead{\indexname}}%
21177          \prw@mkboth{\indexname}
21178        \fi
21179      \fi
21180    \else
21181      \if@donumindex
21182        \twocolumn[\vspace*{-1.5\topskip}%
21183          \@nameuse{\@tocextra}{\indexname}}%

```



```

21184         \csname \@tocextra mark\endcsname{\indexname}
21185     \else
21186         \if@dotocind
21187             \twocolumn[\vspace*{-1.5\topskip}%
21188                 \toc@headstar{\@tocextra}{\indexname}]]%
21189             \prw@mkboth{\indexname}
21190             \addcontentsline{toc}{\@tocextra}{\indexname}
21191         \else
21192             \twocolumn[\vspace*{-1.5\topskip}%
21193                 \toc@headstar{\@tocextra}{\indexname}]]%
21194             \prw@mkboth{\indexname}
21195         \fi
21196     \fi
21197 \fi
21198 \thispagestyle{plain}\parindent\z@
21199 \parskip\z@ \@plus .3\p@ \relax
21200 \let\item\@idxitem}
21201 {\if@restonecol\onecolumn\else\clearpage\fi}
21202 \fi

```

141 File tocloft-xetex-bidi.def

```

21203 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
21204 \let\cftdot\@SepMark
21205 \if@cfthaspart
21206 \renewcommand*{\l@part}[2]{
21207     \@cftdopartfalse
21208     \ifnum \c@tocdepth >-2\relax
21209         \if@cfthaschapter
21210             \@cftdoparttrue
21211         \fi
21212         \ifnum \c@tocdepth >\m@ne
21213             \if@cfthaschapter\else
21214                 \@cftdoparttrue
21215             \fi
21216         \fi
21217     \fi
21218 \if@cftdopart
21219     \if@cfthaschapter
21220         \addpenalty{-\@highpenalty}
21221     \else
21222         \addpenalty\@secpenalty
21223     \fi
21224     \addvspace{\cftbeforepartskip}
21225     \begingroup
21226     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
21227     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21228     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21229     \parindent \cftpartindent\relax\@afterindenttrue
21230     \interlinepenalty\@M
21231     \leavevmode
21232     \@tempdima \cftpartnumwidth\relax
21233     \let\@cftbsnum \cftpartpresnum
21234     \let\@cftasnum \cftpartaftersnum

```



```

21235     \let\@cftasnumb \cftpartaftersnumb
21236     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
21237     {\cftpartfont \cftpartpresnum #1}
21238     \cftpartfillnum{#2}}
21239     \nobreak
21240     \if@cfthaschapter
21241         \global\@nobreaktrue
21242         \everypar{\global\@nobreakfalse\everypar{}}
21243     \else
21244         \if@compatibility
21245             \global\@nobreaktrue
21246             \everypar{\global\@nobreakfalse\everypar{}}
21247         \fi
21248     \fi
21249     \endgroup
21250 \fi}
21251 \fi
21252 \if@cfthaschapter
21253 \renewcommand*{\l@chapter}[2]{
21254     \ifnum \c@tocdepth >\m@ne
21255         \addpenalty{-\@highpenalty}
21256         \vskip \cftbeforechapskip
21257         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
21258         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21259         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21260         \parindent \cftchapindent\relax\@afterindenttrue
21261         \interlinepenalty\@M
21262         \leavevmode
21263         \@tempdima \cftchapnumwidth\relax
21264         \let\@cftbsnum \cftchappresnum
21265         \let\@cftasnum \cftchapaftersnum
21266         \let\@cftasnumb \cftchapaftersnumb
21267         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21268         {\cftchapfont #1}\nobreak
21269         \cftchapfillnum{#2}}
21270 \fi}
21271 \fi
21272 \renewcommand*{\l@section}[2]{%
21273     \ifnum \c@tocdepth >\z@
21274         \if@cfthaschapter
21275             \vskip \cftbeforesecskip
21276         \else
21277             \addpenalty\@secpenalty
21278             \addvspace{\cftbeforesecskip}
21279         \fi
21280         {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
21281         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21282         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21283         \parindent \cftsecindent\relax\@afterindenttrue
21284         \interlinepenalty\@M
21285         \leavevmode
21286         \@tempdima \cftsecnumwidth\relax
21287         \let\@cftbsnum \cftsecpresnum
21288         \let\@cftasnum \cftsecaftersnum

```



```

21289 \let\@cftasnumb \cftsecaftersnumb
21290 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21291 {\cftsecfont #1}\nobreak
21292 \cftsecfillnum{#2}}
21293 \fi}
21294 \renewcommand*{\l@section}[2]{%
21295 \ifnum \c@tocdepth >\@ne
21296 \vskip \cftbeforesubsecskip
21297 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
21298 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21299 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21300 \parindent \cftsubsecindent\relax\@afterindenttrue
21301 \interlinepenalty\@M
21302 \leavevmode
21303 \@tempdima \cftsubsecnumwidth\relax
21304 \let\@cftbsnum \cftsubsecpresnum
21305 \let\@cftasnum \cftsubsecaftersnum
21306 \let\@cftasnumb \cftsubsecaftersnumb
21307 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21308 {\cftsubsecfont #1}\nobreak
21309 \cftsubsecfillnum{#2}}
21310 \fi}
21311 \renewcommand*{\l@subsubsection}[2]{%
21312 \ifnum \c@tocdepth >\tw@
21313 \vskip \cftbeforesubsubsecskip
21314 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
21315 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21316 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21317 \parindent \cftsubsubsecindent\relax\@afterindenttrue
21318 \interlinepenalty\@M
21319 \leavevmode
21320 \@tempdima \cftsubsubsecnumwidth\relax
21321 \let\@cftbsnum \cftsubsubsecpresnum
21322 \let\@cftasnum \cftsubsubsecaftersnum
21323 \let\@cftasnumb \cftsubsubsecaftersnumb
21324 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21325 {\cftsubsubsecfont #1}\nobreak
21326 \cftsubsubsecfillnum{#2}}
21327 \fi}
21328 \renewcommand*{\l@paragraph}[2]{%
21329 \ifnum \c@tocdepth >3\relax
21330 \vskip \cftbeforeparaskip
21331 {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
21332 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21333 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21334 \parindent \cftparaindent\relax\@afterindenttrue
21335 \interlinepenalty\@M
21336 \leavevmode
21337 \@tempdima \cftparanumwidth\relax
21338 \let\@cftbsnum \cftparapresnum
21339 \let\@cftasnum \cftparaaftersnum
21340 \let\@cftasnumb \cftparaaftersnumb
21341 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21342 {\cftparafont #1}\nobreak

```



```

21343     \cftparafillnum{#2}}
21344 \fi}
21345 \renewcommand*{\l@subparagraph}[2]{%
21346   \ifnum \c@tocdepth >4\relax
21347     \vskip \cftbeforesubparaskip
21348     {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
21349     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21350     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21351     \parindent \cftsubparaindent\relax\@afterindenttrue
21352     \interlinepenalty\@M
21353     \leavevmode
21354     \@tempdima \cftsubparanumwidth\relax
21355     \let\@cftbsnum \cftsubparapresnum
21356     \let\@cftasnum \cftsubparaaftersnum
21357     \let\@cftasnumb \cftsubparaaftersnumb
21358     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21359     {\cftsubparafont #1}\nobreak
21360     \cftsubparafillnum{#2}}
21361 \fi}
21362 \renewcommand*{\l@figure}[2]{%
21363   \ifnum \c@lofdepth >\z@
21364     \vskip \cftbeforefigskip
21365     {\if@RTL\righskip\else\leftskip\fi \cftfigindent\relax
21366     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21367     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21368     \parindent \cftfigindent\relax\@afterindenttrue
21369     \interlinepenalty\@M
21370     \leavevmode
21371     \@tempdima \cftfignumwidth\relax
21372     \let\@cftbsnum \cftfigpresnum
21373     \let\@cftasnum \cftfigaftersnum
21374     \let\@cftasnumb \cftfigaftersnumb
21375     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21376     {\cftfigfont #1}\nobreak
21377     \cftfigfillnum{#2}}
21378 \fi
21379 }
21380 \renewcommand*{\l@table}[2]{%
21381   \ifnum \c@lotdepth >\z@
21382     \vskip \cftbeforetabskip
21383     {\if@RTL\righskip\else\leftskip\fi \cfttabindent\relax
21384     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21385     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21386     \parindent \cfttabindent\relax\@afterindenttrue
21387     \interlinepenalty\@M
21388     \leavevmode
21389     \@tempdima \cfttabnumwidth\relax
21390     \let\@cftbsnum \cfttabpresnum
21391     \let\@cftasnum \cfttabaftersnum
21392     \let\@cftasnumb \cfttabaftersnumb
21393     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21394     {\cfttabfont #1}\nobreak
21395     \cfttabfillnum{#2}}
21396 \fi

```




```

21397 }
21398 \renewcommand{\@cftl@subfig}{
21399 \renewcommand*{\l@subfigure}[2]{%
21400 \ifnum \c@lofdepth > \toclevel@subfigure
21401 \vskip \cftbeforesubfigskip
21402 {\if@RTL\righskip\else\leftskip\fi \cftsubfigindent\relax
21403 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21404 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21405 \parindent \cftsubfigindent\relax\@afterindenttrue
21406 \interlinepenalty\@M
21407 \leavevmode
21408 \@tempdima \cftsubfignumwidth\relax
21409 \let\@cftbsnum \cftsubfigpresnum
21410 \let\@cftasnum \cftsubfigaftersnum
21411 \let\@cftasnumb \cftsubfigaftersnumb
21412 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21413 {\cftsubfigfont ##1}\nobreak
21414 \cftsubfigfillnum{##2}}
21415 \fi
21416 }
21417 }
21418 \renewcommand{\@cftl@subtab}{
21419 \renewcommand*{\l@subtable}[2]{%
21420 \ifnum \c@lotdepth > \toclevel@subtable
21421 \vskip \cftbeforesubtabskip
21422 {\if@RTL\righskip\else\leftskip\fi \cftsubtabindent\relax
21423 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21424 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21425 \parindent \cftsubtabindent\relax\@afterindenttrue
21426 \interlinepenalty\@M
21427 \leavevmode
21428 \@tempdima \cftsubtabnumwidth\relax
21429 \let\@cftbsnum \cftsubtabpresnum
21430 \let\@cftasnum \cftsubtabaftersnum
21431 \let\@cftasnumb \cftsubtabaftersnumb
21432 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21433 {\cftsubtabfont ##1}\nobreak
21434 \cftsubtabfillnum{##2}}
21435 \fi
21436 }
21437 }
21438 \renewcommand{\newlistentry}[4][\@empty]{%
21439 \@ifundefined{c@#2}{% check & set the counter
21440 \ifx \@empty#1\relax
21441 \newcounter{#2}
21442 \else
21443 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
21444 {#1 has no counter for use as a `within'}}
21445 \newcounter{#2}}%
21446 {\newcounter{#2}[#1}%
21447 \expandafter\edef\csname the#2\endcsname{%
21448 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
21449 \fi
21450 \setcounter{#2}{0}

```



```

21451 }
21452 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
21453
21454 \@namedef{l@#2}##1##2{%
21455   \ifnum \@nameuse{c@#3depth} > #4\relax
21456     \vskip \@nameuse{cftbefore#2skip}
21457     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
21458     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21459     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21460     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
21461     \interlinepenalty\@M
21462     \leavevmode
21463     \@tempdima \@nameuse{cft#2numwidth}\relax
21464     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
21465     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
21466     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
21467     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
21468     {\@nameuse{cft#2font}##1}\nobreak
21469     \@nameuse{cft#2fillnum}{##2}}
21470   \fi
21471 } % end of l@#2
21472
21473 \expandafter\newlength\csname cftbefore#2skip\endcsname
21474 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
21475 \expandafter\newlength\csname cft#2indent\endcsname
21476 \expandafter\newlength\csname cft#2numwidth\endcsname
21477 \ifcase #4\relax % 0
21478   \setlength{\@nameuse{cft#2indent}}{0em}
21479   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
21480 \or % 1
21481   \setlength{\@nameuse{cft#2indent}}{1.5em}
21482   \setlength{\@nameuse{cft#2numwidth}}{2.3em}
21483 \or % 2
21484   \setlength{\@nameuse{cft#2indent}}{3.8em}
21485   \setlength{\@nameuse{cft#2numwidth}}{3.2em}
21486 \or % 3
21487   \setlength{\@nameuse{cft#2indent}}{7.0em}
21488   \setlength{\@nameuse{cft#2numwidth}}{4.1em}
21489 \else % anything else
21490   \setlength{\@nameuse{cft#2indent}}{10.0em}
21491   \setlength{\@nameuse{cft#2numwidth}}{5.0em}
21492 \fi
21493 \@namedef{cft#2font}{\normalfont}
21494 \@namedef{cft#2presnum}{}
21495 \@namedef{cft#2aftersnum}{}
21496 \@namedef{cft#2aftersnumb}{}
21497 \@namedef{cft#2dotsep}{\cftdotsep}
21498 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
21499 \@namedef{cft#2pagefont}{\normalfont}
21500 \@namedef{cft#2afterpnum}{}
21501 \@namedef{toclevel@#2}{#4}
21502 \@namedef{cft#2fillnum}##1{%
21503   {\@nameuse{cft#2leader}}\nobreak
21504   \hbxt@{\pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}

```



```

21505 } % end \newlistentry
21506 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
21507   {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
21508   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
21509   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
21510   \textit{#1}\protect\par}}}

```

142 File tocbasic-xetex-bidi.def

```

21511 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/05/27 v0.4 bidi adaptations for tocbasic package]
21512 \bidi@undef\scr@dte@def@l@undotteddoutline
21513 \bidi@undef\scr@dte@undotteddoutline@init
21514 \DeclareTOCEntryStyle{undotteddoutline}[{%
21515   \DefineTOCEntryLengthOption{indent}%
21516   {scr@tso@}{@indent}{entry indent}%
21517   \DefineTOCEntryLengthOption{numwidth}%
21518   {scr@tso@}{@numwidth}{entry number width}%
21519   \@ifundefined{#1tocdepth}{%
21520     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21521       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21522         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21523           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21524             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21525               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21526                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21527                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21528                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21529                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
21530                       \csname #1numdepth\endcsname
21531                     }%
21532                   }%
21533                 }%
21534               }%
21535             }%
21536           }%
21537         }%
21538       }%
21539     }%
21540   }{}%
21541   \@ifundefined{scr@tso@#1@indent}{%
21542     \@ifundefined{scr@#1@tocindent}{%
21543       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21544         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21545           \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21546             \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21547               \scr@ifundefinedorrelax{l@chapter}{%
21548                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
21549                   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21550                     \Ifstr{#1}{subsubsection}{%
21551                       \@namedef{scr@tso@#1@indent}{3.8em}%
21552                     }%
21553                   \Ifstr{#1}{paragraph}{%
21554                     \@namedef{scr@tso@#1@indent}{7em}%
21555                   }%

```



```

21556         \Ifstr{#1}{subparagraph}{%
21557             \@namedef{scr@tso@#1@indent}{10em}%
21558         }{%
21559             }%
21560         }%
21561     }%
21562 }%
21563 }%
21564 }{%
21565     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21566         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21567             \Ifstr{#1}{subsubsection}{%
21568                 \@namedef{scr@tso@#1@indent}{7.0em}%
21569             }{%
21570                 \Ifstr{#1}{paragraph}{%
21571                     \@namedef{scr@tso@#1@indent}{10em}%
21572                 }{%
21573                     \Ifstr{#1}{subparagraph}{%
21574                         \@namedef{scr@tso@#1@indent}{12em}%
21575                     }{%
21576                         }%
21577                     }%
21578                 }%
21579             }%
21580         }%
21581     }%
21582 }%
21583 }%
21584 }%
21585 }%
21586 }{%
21587     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21588 }%
21589 }{}%
21590 \@ifundefined{scr@tso@#1@numwidth}{%
21591     \@ifundefined{scr@#1@tocnumwidth}{%
21592         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21593             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21594                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21595                     \scr@ifundefinedorrelax{chapter}{%
21596                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21597                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21598                                 \Ifstr{#1}{subsubsection}{%
21599                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
21600                                 }{%
21601                                     \Ifstr{#1}{paragraph}{%
21602                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
21603                                     }{%
21604                                         \Ifstr{#1}{subparagraph}{%
21605                                             \@namedef{scr@tso@#1@numwidth}{5m}%
21606                                         }{%
21607                                             }%
21608                                         }%
21609                                     }%

```



```

21610         }%
21611     }%
21612 }{%
21613     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21614         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
21615             \Ifstr{#1}{subsubsection}{%
21616                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
21617             }{%
21618                 \Ifstr{#1}{paragraph}{%
21619                     \@namedef{scr@tso@#1@numwidth}{5em}%
21620                 }{%
21621                     \Ifstr{#1}{subparagraph}{%
21622                         \@namedef{scr@tso@#1@numwidth}{6em}%
21623                     }{%
21624                         }%
21625                     }%
21626                 }%
21627             }%
21628         }%
21629     }%
21630 }%
21631 }%
21632 }%
21633 }{%
21634     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
21635 }%
21636 }{}%
21637 }}{%
21638 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
21639     \ifnum \@nameuse{#1tocdepth}<\@ne
21640         \scr@ifundefinedorrelax{chapter}{%
21641             \addpenalty\@secpenalty
21642             \addvspace{1.0em \@plus\p@}%
21643         }{%
21644             \addpenalty{-\@highpenalty}%
21645             \vskip 1.0em \@plus\p@
21646         }%
21647     \else
21648         \addpenalty\@secpenalty
21649         \addvspace{1.0em \@plus\p@}%
21650     \fi
21651     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
21652     \begingroup
21653         \parindent \z@ \bidi@rightskip \@pnumwidth
21654         \parfillskip -\@pnumwidth
21655         \leavevmode
21656         \bfseries
21657         \advance\bidi@leftskip\@tempdima
21658         \Iftocfeature{\@current}{noindent}{%
21659             \hskip -\bidi@leftskip
21660         }{%
21661             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
21662             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
21663         }%

```



```

21664     ##1%
21665     \nobreak
21666     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
21667     \par
21668     \penalty\@highpenalty
21669     \endgroup
21670 \fi
21671 }
21672
21673 \bidi@undef\scr@dte@def@l@targetocline
21674 \bidi@undef\scr@dte@largetocline@init
21675 \DeclareTOCEntryStyle{largetocline}[{%
21676   \DefineTOCEntryLengthOption{indent}%
21677   {scr@tso@}{@indent}{entry indent}%
21678   \@ifundefined{#1tocdepth}{%
21679     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21680       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21681         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21682           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21683             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21684               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21685                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21686                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21687                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21688                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
21689                         \csname #1numdepth\endcsname
21690                     }%
21691                   }%
21692                 }%
21693               }%
21694             }%
21695           }%
21696         }%
21697       }%
21698     }%
21699   }{%
21700     \@ifundefined{scr@tso@#1@indent}{%
21701       \@ifundefined{scr@#1@tocindent}{%
21702         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21703           \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21704             \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21705               \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21706                 \scr@ifundefinedorrelax{l@chapter}{%
21707                   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
21708                     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21709                       \Ifstr{#1}{subsubsection}{%
21710                         \@namedef{scr@tso@#1@indent}{3.8em}%
21711                       }{%
21712                         \Ifstr{#1}{paragraph}{%
21713                           \@namedef{scr@tso@#1@indent}{7em}%
21714                         }{%
21715                           \Ifstr{#1}{subparagraph}{%
21716                             \@namedef{scr@tso@#1@indent}{10em}%
21717                           }{%

```



```

21718         }%
21719     }%
21720 }%
21721 }%
21722 }%
21723 }{%
21724     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21725         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21726             \Ifstr{#1}{subsubsection}{%
21727                 \@namedef{scr@tso@#1@indent}{7.0em}%
21728             }{%
21729                 \Ifstr{#1}{paragraph}{%
21730                     \@namedef{scr@tso@#1@indent}{10em}%
21731                 }{%
21732                     \Ifstr{#1}{subparagraph}{%
21733                         \@namedef{scr@tso@#1@indent}{12em}%
21734                     }{%
21735                         }%
21736                     }%
21737                 }%
21738             }%
21739         }%
21740     }%
21741 }%
21742 }%
21743 }%
21744 }%
21745 }{%
21746     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21747 }%
21748 }{%}%
21749 }]{%
21750 \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
21751     \ifnum \@nameuse{#1tocdepth} < \@ne
21752         \scr@ifundefinedorrelax{chapter}{%
21753             \addpenalty\@secpenalty
21754             \addvspace{2.25em \@plus\p@}%
21755         }{%
21756             \addpenalty{-\@highpenalty}%
21757             \addvspace{2.25em \@plus\p@}%
21758         }%
21759     \else
21760         \addpenalty\@secpenalty
21761         \addvspace{2.25em \@plus\p@}%
21762     \fi
21763     \setlength\@tempdima{3em}%
21764     \begingroup
21765         \parindent \z@ \bidi@rightskip \@pnumwidth
21766         \parfillskip -\@pnumwidth
21767         \leavevmode
21768         \large
21769         \bfseries
21770         \Iftocfeature{\@currentx}{noindent}{%
21771             }{%

```



```

21772         \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
21773     }%
21774     ##1%
21775     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
21776     \par
21777     \nobreak
21778     \ifnum 0=
21779         \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
21780         \global\@nobreaktrue
21781         \everypar{\global\@nobreakfalse\everypar{}}%
21782     \fi
21783 \endgroup
21784 \fi
21785 }
21786
21787 \renewcommand*{\scr@dte@tocline}[3]{%
21788     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
21789     \else
21790         \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
21791         \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
21792         \@nameuse{Ifscr@tso@#1@dynindent}{%
21793             \expandafter\ifx\c@name scr@tso@#1@indentfollows\endcsname\@empty
21794             \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
21795         \else
21796             \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
21797             \@for \reserved@a:=\reserved@a\do {%
21798                 \scr@trim@spaces\reserved@a
21799                 \ifx\reserved@a\@empty\else
21800                     \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
21801                         }{%
21802                             \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
21803                                 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
21804                                 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
21805                                     \scr@ifundefinedorrelax
21806                                     {scr@dte@\reserved@a @lastmaxnumwidth}{%
21807                                         \advance\@tempdima
21808                                         \@nameuse{scr@tso@\reserved@a @numwidth}\relax
21809                                     }{%
21810                                         \advance\@tempdima
21811                                         \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
21812                                     }%
21813                                 }{%
21814                                     \advance\@tempdima
21815                                     \@nameuse{scr@tso@\reserved@a @numwidth}\relax
21816                                 }%
21817                                 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
21818                                 \expandafter\edef\c@name scr@tso@#1@indent\endcsname
21819                                 {\the\@tempdima}%
21820                             \fi
21821                         }%
21822                     \fi
21823                 }%
21824             \fi
21825         }%

```




```

21826 }{}%
21827 {%
21828 \Iftocfeature{\@currentx}{noindent}{%
21829 \bidi@leftskip \z@
21830 }{}%
21831 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
21832 }%
21833 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
21834 \parfillskip -\bidi@rightskip
21835 \@nameuse{Ifscr@tso@#1@raggedpage}{%
21836 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
21837 }{}%
21838 \Iftocfeature{\@currentx}{noindent}{%
21839 \parindent \z@
21840 }{}%
21841 \parindent \@nameuse{scr@tso@#1@indent}\relax
21842 }%
21843 \@afterindenttrue
21844 \interlinepenalty\@M
21845 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
21846 \addtolength\bidi@rightskip\@flushglue
21847 \else
21848 \def\reserved@a{\raggedright}%
21849 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
21850 \addtolength\bidi@rightskip\@flushglue
21851 \else
21852 \renewcommand\reserved@a{\raggedright}%
21853 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
21854 \addtolength\bidi@rightskip\@flushglue
21855 \fi
21856 \fi
21857 \fi
21858 \leavevmode
21859 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
21860 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
21861 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}{%
21862 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
21863 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
21864 \fi
21865 }%
21866 }{}%
21867 \advance\bidi@leftskip \@tempdima
21868 \null\nobreak\hskip -\bidi@leftskip
21869 {%
21870 \usetocbasicnumberline
21871 \let\scr@dte@numberline@box\numberline@box
21872 \def\numberline@box##1{%
21873 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
21874 \global\scr@dte@tocline@numberwidth
21875 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
21876 \relax
21877 \ifdim \scr@dte@tocline@numberwidth
21878 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
21879 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth

```



```

21880 \fi
21881 \@nameuse{Ifscr@tso@#1@dynnumwidth}{-}{%
21882 \ifdim \scr@dte@tocline@numberwidth
21883 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
21884 +\@nameuse{scr@tso@#1@numsep}\relax\relax
21885 \PackageWarning{tocbasic}{%
21886 number width of #1 toc entries should be
21887 increased!\MessageBreak
21888 Currently used number width =
21889 \the\wd\scr@dte@tocline@numbox,\MessageBreak
21890 Wanted number separation
21891 \space\space\space =
21892 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
21893 Reserved number width \space\space\space\space\space\space =
21894 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
21895 }%
21896 \fi
21897 }%
21898 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
21899 \@nameuse{Ifscr@tso@#1@breakafternumber}{-}{%
21900 {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
21901 }{}%
21902 }%
21903 {\@nameuse{scr@tso@#1@entryformat}{-}{%
21904 #2%
21905 \nobreak
21906 {%
21907 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
21908 \nobreak
21909 \expandafter\let\expandafter\scr@dte@pagenumberwidth
21910 \csname scr@tso@#1@pagenumberwidth\endcsname
21911 \@nameuse{scr@tso@#1@pagenumberbox}{-}{%
21912 \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
21913 }%
21914 }%
21915 }}\@par
21916 }%
21917 }%
21918 \tocbasic@SetPenaltyByTOCLevel{#1}%
21919 \fi
21920 }
21921
21922
21923 \bidi@undef\scr@dte@def@1@tocline
21924 \bidi@undef\scr@dte@tocline@init
21925 \DeclareTOCEntryStyle{tocline}[{%
21926 \DefineTOCEntryLengthOption{before skip}{%
21927 {scr@tso@}{@before skip}{vertical skip before the entry}%
21928 \DefineTOCEntryIfOption{breakafternumber}%
21929 {scr@tso@}{@breakafternumber}{line break after number flag}%
21930 \DefineTOCEntryIfOption{dynnumwidth}%
21931 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
21932 \DefineTOCEntryListOption{indent follows}%
21933 {scr@tso@}{@indent follows}{list of levels that define the indent}%

```



```

21934 \DefineTOCEntryIfOption{dynindent}%
21935   {scr@tso@}{@dynindent}{dynamic indent width flag}%
21936 \DefineTOCEntryCommandOption{entryformat}%
21937   {scr@tso@}{@entryformat}[1]{entry format}%
21938 \DefineTOCEntryCommandOption{entrynumberformat}%
21939   {scr@tso@}{@numberformat}[1]{entry number format}%
21940 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
21941   {scr@tso@}{@linefill}{filling between text and page number}%
21942 \DefineTOCEntryLengthOption{numsep}%
21943   {scr@tso@}{@numsep}{entry number separation}%
21944 \DefineTOCEntryCommandOption{onstarthigherlevel}%
21945   {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
21946 \DefineTOCEntryCommandOption{onstartlowerlevel}%
21947   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
21948 \DefineTOCEntryCommandOption{onstartsamelevel}%
21949   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
21950 \DefineTOCEntryCommandOption{pagenumberbox}%
21951   {scr@tso@}{@pagenumberbox}[1]{page number box}%
21952 \DefineTOCEntryCommandOption{pagenumberformat}%
21953   {scr@tso@}{@pagenumberformat}[1]{page number format}%
21954 \DefineTOCEntryLengthOption{pagenumberwidth}%
21955   {scr@tso@}{@pagenumberwidth}{width of page number box}%
21956 \DefineTOCEntryLengthOption{rightindent}%
21957   {scr@tso@}{@rightindent}{entry's text right indent}%
21958 \DefineTOCEntryOption{raggedentrytext}[true]{%
21959   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
21960   \ifx\FamilyKeyState\FamilyKeyStateProcessed
21961     \if@tempswa
21962       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
21963       \raggedright
21964     \else
21965       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
21966       \relax
21967     \fi
21968   \fi
21969 }%
21970 \DefineTOCEntryIfOption{raggedpagenumber}%
21971   {scr@tso@}{@raggedpage}{page number ragged flag}%
21972 \DefineTOCEntryLengthOption{indent}%
21973   {scr@tso@}{@indent}{entry indent}%
21974 \DefineTOCEntryLengthOption{numwidth}%
21975   {scr@tso@}{@numwidth}{entry number width}%
21976 \scr@ifundefinedorrelax{#1tocdepth}{%
21977   \Ifstrstart{#1}{sub}{%
21978     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{-}{%
21979       \expandafter\edef\csname #1tocdepth\endcsname{%
21980         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
21981       }%
21982     }%
21983   }{}%
21984 }{}%
21985 \@ifundefined{#1tocdepth}{%
21986   \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21987     \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%

```



```

21988 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21989 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21990 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21991 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21992 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21993 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21994 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21995 \expandafter\let\csname #1tocdepth\expandafter\endcsname
21996 \csname #1numdepth\endcsname
21997 }%
21998 }%
21999 }%
22000 }%
22001 }%
22002 }%
22003 }%
22004 }%
22005 }%
22006 }{}%
22007 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
22008 \@ifundefined{scr@#1@tocindent}{%
22009 \Ifstrstart{#1}{sub}{%
22010 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
22011 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
22012 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
22013 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
22014 \relax
22015 }%
22016 }%
22017 }{%
22018 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
22019 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
22020 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
22021 \relax
22022 }%
22023 }{%
22024 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
22025 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
22026 \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
22027 \relax
22028 }%
22029 }%
22030 }%
22031 }{}%
22032 }{%
22033 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
22034 }%
22035 }{}%
22036 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
22037 \Ifstrstart{#1}{sub}{%
22038 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
22039 \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
22040 }{%
22041 \expandafter\let

```



```

22042         \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
22043         \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
22044     }%
22045     {%
22046         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
22047     }%
22048 }{%
22049 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
22050     \Ifstrstart{#1}{sub}{%
22051         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
22052             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
22053         }{%
22054             \expandafter\let
22055             \csname scr@tso@#1@rightindent\expandafter\endcsname
22056             \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
22057         }%
22058     }{%
22059         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
22060     }%
22061 }{%
22062 \@ifundefined{scr@tso@#1@indent}{%
22063     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22064     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22065     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22066     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22067         \scr@ifundefinedorrelax{l@chapter}{%
22068             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
22069                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22070                     \Ifstr{#1}{subsubsection}{%
22071                         \@namedef{scr@tso@#1@indent}{3.8em}%
22072                     }{%
22073                         \Ifstr{#1}{paragraph}{%
22074                             \@namedef{scr@tso@#1@indent}{7em}%
22075                         }{%
22076                             \Ifstr{#1}{subparagraph}{%
22077                                 \@namedef{scr@tso@#1@indent}{10em}%
22078                             }{%
22079                                 }%
22080                             }%
22081                         }%
22082                     }%
22083                 }%
22084             }{%
22085                 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22086                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22087                 \Ifstr{#1}{subsubsection}{%
22088                     \@namedef{scr@tso@#1@indent}{7.0em}%
22089                 }{%
22090                     \Ifstr{#1}{paragraph}{%
22091                         \@namedef{scr@tso@#1@indent}{10em}%
22092                     }{%
22093                         \Ifstr{#1}{subparagraph}{%
22094                             \@namedef{scr@tso@#1@indent}{12em}%
22095                         }{%

```



```

22096         }%
22097     }%
22098 }%
22099     }%
22100 }%
22101     }%
22102 }%
22103     }%
22104 }%
22105     }%
22106 }{}%
22107 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
22108     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
22109         \Ifstrstart{#1}{sub}{%
22110             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%{}%
22111                 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
22112                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
22113                         +.9em}%
22114                 \relax
22115             }%
22116         }%
22117     }{}%
22118 }{%
22119     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
22120 }%
22121 }{}%
22122 \@ifundefined{scr@tso@#1@numwidth}{%
22123     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22124     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22125     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22126     \scr@ifundefinedorrelax{chapter}{%
22127         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22128         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22129         \Ifstr{#1}{subsubsection}{%
22130             \@namedef{scr@tso@#1@numwidth}{3.2em}%
22131         }{%
22132             \Ifstr{#1}{paragraph}{%
22133                 \@namedef{scr@tso@#1@numwidth}{4.1em}%
22134             }{%
22135                 \Ifstr{#1}{subparagraph}{%
22136                     \@namedef{scr@tso@#1@numwidth}{5m}%
22137                 }{%
22138                     }%
22139                 }%
22140             }%
22141         }%
22142     }%
22143 }{%
22144     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22145     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
22146     \Ifstr{#1}{subsubsection}{%
22147         \@namedef{scr@tso@#1@numwidth}{3.1em}%
22148     }{%
22149         \Ifstr{#1}{paragraph}{%

```



```

22150         \@namedef{scr@tso@#1@numwidth}{5em}%
22151     }{%
22152         \Ifstr{#1}{subparagraph}{%
22153             \@namedef{scr@tso@#1@numwidth}{6em}%
22154         }{%
22155             }%
22156         }%
22157     }%
22158 }%
22159 }%
22160 }%
22161 }%
22162 }%
22163 }%
22164 }{}%
22165 \expandafter\renewcommand%
22166 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
22167 \expandafter\renewcommand%
22168 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
22169 \expandafter\renewcommand%
22170 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
22171 \@ifundefined{scr@tso@#1@beforeskip}{%
22172     \Ifstr{#1}{part}{%
22173         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
22174     }{%
22175         \Ifstr{#1}{chapter}{%
22176             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
22177         }{%
22178             \Ifstr{#1}{section}{%
22179                 \scr@ifundefinedorrelax{1@chapter}{%
22180                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
22181                 }{}%
22182             }{}%
22183         }%
22184     }%
22185 \expandafter\renewcommand\expandafter*%
22186 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
22187 }{}%
22188 \@ifundefined{scr@dte@#1@maxnumwidth}{%
22189     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
22190     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
22191 }{}%
22192 \renewcommand*{\scr@dte@donumwidth}{}%
22193 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
22194 \expandafter\renewcommand\expandafter*%
22195 \csname scr@tso@#1@numsep\endcsname{.4em}%
22196 \expandafter\renewcommand%
22197 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
22198 \Ifstr{#1}{part}{%
22199     \expandafter\providecommand%
22200     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
22201 }{%
22202     \Ifstr{#1}{chapter}{%
22203         \expandafter\providecommand%

```



```

22204     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
22205 }{%
22206     \scr@ifundefinedorrelax{1@chapter}{%
22207         \Ifstr{#1}{section}{%
22208             \expandafter\providecommand%
22209             \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
22210         }{%
22211     }{%
22212         \expandafter\providecommand%
22213         \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
22214     }%
22215 }%
22216 \expandafter\renewcommand
22217 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
22218 \@ifundefined{scr@tso@#1@linefill}{%
22219     \Ifstr{#1}{part}{%
22220         \@namedef{scr@tso@#1@linefill}{\hfill}%
22221     }{%
22222         \Ifstr{#1}{chapter}{%
22223             \@namedef{scr@tso@#1@linefill}{\hfill}%
22224         }{%
22225             \scr@ifundefinedorrelax{1@chapter}{%
22226                 \Ifstr{#1}{section}{%
22227                     \@namedef{scr@tso@#1@linefill}{\hfill}%
22228                 }{%
22229                     }{%
22230                 \expandafter\renewcommand%
22231                 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22232             }%
22233         }%
22234     }{%
22235 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
22236 \Ifstr{#1}{part}{%
22237     \expandafter\providecommand%
22238     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
22239 }{%
22240     \Ifstr{#1}{chapter}{%
22241         \expandafter\providecommand%
22242         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
22243     }{%
22244         \scr@ifundefinedorrelax{1@chapter}{%
22245             \Ifstr{#1}{section}{%
22246                 \expandafter\providecommand%
22247                 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
22248             }{%
22249                 }{%
22250                 \expandafter\providecommand%
22251                 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22252                     {\normalfont\normalcolor ##1}}%
22253             }%
22254         }%
22255 \expandafter\renewcommand%
22256 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
22257     \hb@xt@\@nameuse{scr@dte@pagenumberwidth}{\hfil ##1}}%

```




```

22258 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
22259 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
22260 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
22261   \Ifstrstart{#1}{sub}{%
22262     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
22263       \scr@dte@nosub{#1}%
22264     }%
22265   }{%
22266     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\empty
22267   }%
22268 }{%
22269 }}{%
22270   \scr@dte@tocline{#1}{##1}{##2}%
22271 }
22272
22273 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
22274   {\normalfont\normalcolor #1}%
22275 }
22276
22277 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
22278   {\normalfont\normalcolor #1}%
22279 }
22280

```

143 File tocstyle-xetex-bidi.def

```

22281 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
22282 \renewcommand*{\tocstyle@dottedtocline}[5]{%
22283   \let\numberline\tocstyle@numberline
22284   \ifnum #1>\c@tocdepth \else
22285     \if@tocstyle@penalties
22286       \begingroup
22287         \@tempcnta 20010
22288         \advance \@tempcnta by -#1
22289         \ifnum \@tempcnta>\lastpenalty
22290           \aftergroup\penalty\aftergroup\@lowpenalty
22291         \fi
22292       \endgroup
22293     \fi
22294     \edef\tocstyledepth{#1}%
22295     \tocstyle@activate@features
22296     \ifx\tocstyle@feature@entryvskip\relax
22297       \vskip \z@ \@plus.2\p@
22298     \else
22299       \addvspace{\tocstyle@feature@entryvskip}%
22300     \fi
22301     {%
22302       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
22303       \tocstyle@feature@raggedhook
22304       \@tempdima #3\relax
22305       \@tempdimb #2\relax
22306       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22307       \ifnum #1>\z@\relax
22308         \@tempcnta #1\relax \advance\@tempcnta \m@ne

```



```

22309      \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22310      \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22311          \@tempdimb
22312          \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22313          \advance\@tempdimb
22314          \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22315      \fi
22316  \fi
22317 \fi
22318 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22319 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
22320     \ifdim \@tempdimb>
22321         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
22322         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
22323             @#1\endcsname{\the\@tempdimb}%
22324     \fi
22325 \else
22326     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
22327         @#1\endcsname{\the\@tempdimb}%
22328 \fi
22329 \iftocstyle@autolength
22330     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
22331         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
22332         \relax
22333     \fi
22334     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
22335         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
22336         \relax
22337     \fi
22338     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22339     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22340 \else
22341     \@tempdimb #2\relax
22342     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22343 \fi
22344 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
22345     \ifdim \@tempdima>
22346         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
22347         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
22348             @\endcsname{\the\@tempdima}%
22349     \fi
22350 \else
22351     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
22352         @\endcsname{\the\@tempdima}%
22353 \fi
22354 \ifcase\tocstyle@indentstyle\relax\else
22355     \@tempdimb \z@
22356     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
22357         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
22358         \relax
22359     \fi
22360     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22361     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22362 \fi

```



```

22363 \advance\parindent \@tempdimb\@afterindenttrue
22364 \advance\if@RTL\righskip\else\leftskip\fi \parindent
22365 \advance\if@RTL\leftskip\else\righskip\fi \@tocrmarg
22366 \parfillskip -\if@RTL\leftskip\else\righskip\fi
22367 \ifx\tocstyle@feature@parfillskip\relax\else
22368 \advance\parfillskip \tocstyle@feature@parfillskip\relax
22369 \fi
22370 \interlinepenalty\@M
22371 \leavevmode
22372 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima
22373 \null\nobreak
22374 \iftocstyle@indentnotnumbered\else
22375 \hskip -\if@RTL\righskip\else\leftskip\fi
22376 \fi
22377 \tocstyle@feature@entryhook
22378 {#4}\nobreak
22379 \ifx\tocstyle@feature@leaders\relax
22380 \leaders\hbox{$\m@th
22381 \mkern \@dotsep mu\hbox{\tocstyle@feature@dotohook .}%
22382 \mkern \@dotsep mu$}\hfill
22383 \else
22384 \tocstyle@feature@leaders
22385 \fi
22386 \nobreak
22387 \ifx\tocstyle@feature@pagenumberbox\relax
22388 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
22389 \else
22390 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
22391 \fi
22392 \par
22393 }%
22394 \iftocstyle@penalties
22395 \bgroup
22396 \@tempcnta 20009
22397 \advance\@tempcnta by -#1
22398 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
22399 \reserved@a
22400 \fi
22401 \fi}
22402 \renewcommand*{\tocstyle@numberline}[1]{%
22403 \begingroup
22404 \ifx\tocstyle@feature@spaceafternumber\relax
22405 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
22406 \else
22407 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
22408 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
22409 \fi
22410 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
22411 \ifdim \@tempdima >
22412 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
22413 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
22414 @\tocstyledepth\endcsname{\the\@tempdima}%
22415 \fi
22416 \else

```



```

22417 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
22418 @\tocstyledepth\endcsname{\the\@tempdima}%
22419 \fi
22420 \endgroup
22421 \iftocstyle@indentnotnumbered
22422 \hskip -\if@RTL\rightskip\else\leftskip\fi
22423 \fi
22424 \ifcase \tocstyle@indentstyle
22425 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
22426 \or
22427 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
22428 \else
22429 \ifx\tocstyle@feature@spaceafternumber\relax
22430 \hbox{\tocstyle@@numberline{#1}\enskip}%
22431 \else
22432 \hbox{\tocstyle@@numberline{#1}\hskip
22433 \tocstyle@feature@spaceafternumber\relax}%
22434 \fi
22435 \fi
22436 }
22437 \AtBeginDocument{%
22438 \ifcsname l@part\endcsname
22439 \ifcsname l@chapter\endcsname
22440 \setbox\@tempboxa\vbox{\hsize\maxdimen
22441 \l@part{\tocstyle@l@define{part}{-1}}{}}%
22442 \else
22443 \setbox\@tempboxa\vbox{\hsize\maxdimen
22444 \l@part{\tocstyle@l@define{part}{0}}{}}%
22445 \fi
22446 \fi
22447 \ifcsname l@chapter\endcsname
22448 \setbox\@tempboxa\vbox{\hsize\maxdimen
22449 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
22450 \fi
22451 \ifcsname l@section\endcsname
22452 \setbox\@tempboxa\vbox{\hsize\maxdimen
22453 \l@section{\tocstyle@l@define{section}{1}}{}}%
22454 \fi
22455 \ifcsname l@subsection\endcsname
22456 \setbox\@tempboxa\vbox{\hsize\maxdimen
22457 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
22458 \fi
22459 \ifcsname l@subsubsection\endcsname
22460 \setbox\@tempboxa\vbox{\hsize\maxdimen
22461 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
22462 \fi
22463 \ifcsname l@paragraph\endcsname
22464 \setbox\@tempboxa\vbox{\hsize\maxdimen
22465 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
22466 \fi
22467 \ifcsname l@subparagraph\endcsname
22468 \setbox\@tempboxa\vbox{\hsize\maxdimen
22469 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
22470 \fi

```



```

22471 \ifcsname l@table\endcsname
22472   \setbox\@tempboxa\vbox{\hsize\maxdimen
22473     \l@table{\tocstyle@l@define{table}{1}}{}}%
22474 \fi
22475 \ifcsname l@figure\endcsname
22476   \setbox\@tempboxa\vbox{\hsize\maxdimen
22477     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
22478 \fi
22479 \def\@tempa#1#2#3#4#5{%
22480   \ifnum #1>\c@tocdepth \else
22481     \vskip \z@ \@plus.2\p@
22482     {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \tocstyle@l@define{table}{1}}%
22483     \parindent #2\relax\@afterindenttrue
22484     \interlinepenalty\@M
22485     \leavevmode
22486     \@tempdima #3\relax
22487     \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
22488     {#4}\nobreak
22489     \leaders\hbox{$\m@th
22490       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
22491       mu$}\hfill
22492     \nobreak
22493     \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
22494     \par}%
22495 \fi}%
22496 \ifx\@dottedtocline\@tempa\else
22497   \tocstyle@macrochangewarning\@dottedtocline
22498 \fi
22499 \let\tocstyle@saved@dottedtocline\@dottedtocline
22500 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
22501 \ifx\numberline\@tempa\else
22502   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
22503 \ifx\numberline\@tempa\else
22504   \tocstyle@macrochangewarning\numberline
22505 \fi
22506 \fi
22507 \let\tocstyle@saved@numberline\numberline
22508 }
22509 \renewcommand*{\tocstyle@l@define}[2]{%
22510   \advance\ifRTL\rightskip\else\leftskip\fi-\@tempdima
22511   \edef\@tempa{%
22512     \noexpand\global\noexpand\let
22513     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
22514     \expandafter\noexpand\csname l@#1\endcsname
22515     \noexpand\gdef
22516     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
22517       \noexpand\@dottedtocline{#2}{\the\ifRTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
22518     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
22519       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
22520       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
22521     }%
22522   }%
22523 \PackageInfo{tocstyle}{prepare \expandafter\string
22524   \csname l@#1\endcsname\space for redefinition}%

```



```

22525 \@tempa
22526 }

```

144 File todonotes-xetex-bidi.def

```

22527 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
22528 \newif\if@bidi@todonotes@textdirection@RTL
22529 \newif\if@bidi@todonotes@figposition@right
22530 \newcommand{\@bidi@todonotes@align}{}%
22531 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
22532 \newcommand{\@bidi@todonotes@textdirection}{}%
22533 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
22534 \ifcase\@bidi@todonotes@tempb\relax
22535 \@bidi@todonotes@textdirection@RTLtrue
22536 \let\@bidi@todonotes@textdirection\RLE
22537 \or
22538 \@bidi@todonotes@textdirection@RTLfalse
22539 \let\@bidi@todonotes@textdirection\LRE
22540 \fi}
22541 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
22542 \ifcase\@bidi@todonotes@tempb\relax
22543 \@bidi@todonotes@figposition@righttrue
22544 \or
22545 \@bidi@todonotes@figposition@rightfalse
22546 \fi}
22547 \if@todonotes@disabled%
22548 \else % \if@todonotes@disabled
22549 \renewcommand{\@todonotes@drawInlineNote}{%
22550 \if@todonotes@dviStyle%
22551 {\par\noindent\begin{tikzpicture}[remember picture]%
22552 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
22553 \if@todonotes@authorgiven%
22554 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
22555 \else%
22556 {\noindent \@todonotes@sizecommand \@todonotes@text}%
22557 \fi
22558 {\par\noindent\begin{tikzpicture}[remember picture]%
22559 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
22560 \else%
22561 {\par\noindent\begin{tikzpicture}[remember picture]%
22562 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22563 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
22564 \if@todonotes@authorgiven%
22565 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
22566 \else%
22567 {\noindent \@todonotes@sizecommand \@todonotes@text}%
22568 \fi};%
22569 \end{tikzpicture}\par}%
22570 \fi}%
22571 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
22572 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
22573 \node [coordinate] (inText) {};%
22574 \end{tikzpicture}%
22575 \marginpar[{\% Draw note in left margin

```



```

22576 \@todonotes@drawMarginNote%
22577 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
22578 }]{% Draw note in right margin
22579 \@todonotes@drawMarginNote%
22580 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
22581 }%
22582 }%
22583 \renewcommand{\@todonotes@drawMarginNote}{%
22584 \if@todonotes@dviStyle%
22585 \begin{tikzpicture}[remember picture]%
22586 \draw node[notestyle] {};%
22587 \end{tikzpicture}\\%
22588 \begin{minipage}{\@todonotes@textwidth}%
22589 \if@todonotes@authorgiven%
22590 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
22591 \else%
22592 \@todonotes@sizecommand \@todonotes@text%
22593 \fi%
22594 \end{minipage}\\%
22595 \begin{tikzpicture}[remember picture]%
22596 \draw node[notestyle] (inNote) {};%
22597 \end{tikzpicture}%
22598 \else%
22599 \let\originalHbadness\hbadness%
22600 \hbadness 100000%
22601 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
22602 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22603 \node(X){\vphantom{X}};%
22604 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22605 \if@todonotes@authorgiven%
22606 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand \@todonotes@author};%
22607 \node(Y)[below=of X]{};%
22608 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22609 \else%
22610 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22611 \fi%
22612 \end{tikzpicture}%
22613 \hbadness \originalHbadness%
22614 \fi}%
22615 \renewcommand{\missingfigure}[2][]{%
22616 \setkeys{todonotes}{#1}%
22617 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
22618 \par
22619 \noindent
22620 \begin{tikzpicture}
22621 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
22622 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
22623 \if@bidi@todonotes@figposition@right%
22624 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
22625 \fi%

```



```

22630 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
22631     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
22632 \if@bidi@todonotes@figposition@right%
22633 \end{scope}
22634 \begin{scope}[xshift=-3.8cm]
22635 \fi%
22636 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22637 \draw (2, -0.3) node[right, text
22638     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
22639 \if@bidi@todonotes@figposition@right%
22640 \end{scope}
22641 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
22642 \fi%
22643 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
22644 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
22645 \if@bidi@todonotes@figposition@right%
22646 \end{scope}
22647 \fi%
22648 \end{tikzpicture}}\hfill
22649 }% Ending \missingfigure command
22650 \fi % Ending \@todonotes@ifdisabled
22651 \presetkeys%
22652     {todonotes}%
22653     {align=left,%
22654     textdirection=lefttoright,%
22655     figposition=left}{}%

```

145 File wrapfig-xetex-bidi.def

```

22656 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package f
22657 \let\WF@@everypar\@everypar
22658 \def\WF@putfigmaybef{%
22659 \ifinner
22660 \vskip-\parskip \global\WF@floatfalse
22661 \let\pagetotal\maxdimen % kludge flag for "not top of page"
22662 \else % outer page
22663 \@tempdima\pagedepth % save page depth
22664 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
22665 \penalty\interlinepenalty % update pg. parameters
22666 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
22667 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
22668 \global\WF@floatfalse
22669 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
22670 \else
22671 \ifdim\WF@size>\@tempdimb
22672 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
22673 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
22674 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
22675 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
22676 \advance\dimen@.5\baselineskip
22677 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
22678 \global\WF@floatfalse \pagebreak
22679 \fi
22680 \else % \WF@info{Fits in \the\@tempdimb;}%

```




```

22681         \global\WF@floatfalse
22682     \fi\fi
22683     \vskip\@tempdima\relax % (return erased page depth)
22684 \fi
22685 \noindent
22686 \ifWF@float
22687     \WF@fltmes
22688 \else % putting here;
22689     \WF@info{Put \WF@wfname here:}%
22690     {\ifodd\if@twoside\c@page\else\@one\fi % assign l/r to i/o placement
22691         \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
22692         \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
22693     \hbox to \z@{\% llap or rlap depending on {l} or {r}; calc effective width
22694         \@tempdima\wd\WF@box \@tempdimb\WF@ovh
22695         \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
22696         \@tempdimb\hsize \advance\@tempdimb-\@tempdima
22697         \xdef\WF@adjlw{\the\@tempdima}%
22698         \ifnum `l=\WF@place % fig on left
22699             \if@RTL%
22700                 \kern\@tempdimb \kern\columnsep
22701                 \def\@tempa{\hss}% position to left of the gap
22702             \else%
22703                 \hss % figure overlaps space to the left
22704                 \def\@tempa{\kern\columnsep}% position to left of the gap
22705             \fi%
22706         \else % fig on right
22707             \if@RTL%
22708                 \hss
22709                 \@tempdima\z@
22710                 \def\@tempa{\kern\columnsep}
22711             \else%
22712                 \@tempdima\z@ % no left indentation
22713                 \kern\@tempdimb \kern\columnsep
22714                 \def\@tempa{\hss}% figure overlaps space to the right
22715             \fi%
22716         \fi
22717         \ifdim\@tempdimb<\hsize
22718             \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
22719             \xdef\WF@adjtlm{\the\@tempdima}%
22720         \else
22721             \xdef\WF@wrapil{\z@ \the\hsize}%
22722             \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
22723         \fi
22724         \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
22725             \global\advance\WF@size-\intextsep
22726         \else % \WF@info{Putting \WF@wfname in middle of page}%
22727             \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
22728             \fi \dp\WF@box\z@ \box\WF@box \@tempa
22729     }% end \hbox to Opt
22730     \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
22731 \fi}

```

146 File xcolor-xetex-bidi.def



```

22732 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
22733 \long\def\color@b@x#1#2#3%
22734 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
22735 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
22736 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
22737 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
22738 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
22739 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
22740 \DeclareRobustCommand\color
22741 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]}
22742 \def\@undeclaredcolor[#1]#2%
22743 {\begingroup
22744 \let\@c@cls@empty
22745 \XC@getmodclr12{#1}{#2}{}%
22746 {\ifblendcolors
22747 \ifx\colorblend\@empty\else
22748 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
22749 \XC@coremodel\@mod\@clr\xcolor@{ }\@mod\@clr
22750 \fi
22751 \fi
22752 \ifconvertcolorsU
22753 \edef\@tmp{\XC@tgt@mod{\@mod}}%
22754 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
22755 \fi
22756 \ifmaskcolors
22757 \convertcolorspec\@mod\@clr\XC@mmod\@clr
22758 \let\@mod\XC@mmod
22759 \XC@inflate\@mod\XC@mclr\@clr\@tmp
22760 \expandafter\XC@mul\@tmp,\@clr
22761 \fi
22762 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
22763 \expandafter\endgroup\@tmp}}
22764 \def\@declaredcolor#1%
22765 {\XC@edef\XC@tmp{#1}\XC@tstfalse
22766 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
22767 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
22768 \ifconvertcolorsU\XC@tsttrue\fi
22769 \fi
22770 \ifXC@tst
22771 \expandafter\XC@declaredcolor\else
22772 \expandafter\XC@declaredcolor\fi}
22773 \def\XC@undeclaredcolor#1#2%
22774 {\@ifundefinedmodel{#1}%
22775 {\c@lor@error{model `#1'}}%
22776 {\@nameuse{color@#1}\current@color{#2}}%
22777 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
22778 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
22779 \def\XC@declaredcolor
22780 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
22781 \edef\current@color{\XC@current@color}%
22782 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
22783 \DeclareRobustCommand\bicolor
22784 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
22785 \def\@bidiundeclaredcolor[#1]#2%

```



```

22786 {\begingroup
22787 \let\@ccls\@empty
22788 \XC@getmodclr12{#1}{#2}{}%
22789 {\ifblendcolors
22790 \ifx\colorblend\@empty\else
22791 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
22792 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
22793 \fi
22794 \fi
22795 \ifconvertcolorsU
22796 \edef\@tmp{\XC@tgt@mod{\@mod}}%
22797 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
22798 \fi
22799 \ifmaskcolors
22800 \convertcolorspec\@mod\@clr\XC@mmod\@clr
22801 \let\@mod\XC@mmod
22802 \XC@inflate\@mod\XC@mclr\@clr\@tmp
22803 \expandafter\XC@mul\@tmp,\@clr
22804 \fi
22805 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
22806 \expandafter\endgroup\@tmp}}
22807 \def\XC@bidiundeclaredcolor#1#2%
22808 {\@ifundefinedmodel{#1}%
22809 {\c@lor@error{model `#1'}}%
22810 {\@nameuse{color@#1}\current@color{#2}}%
22811 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
22812 \XC@display}}
22813 \def\@bidideclaredcolor#1%
22814 {\XC@edef\XC@tmp{#1}\XC@tstfalse
22815 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
22816 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
22817 \ifconvertcolorsU\XC@tsttrue\fi
22818 \fi
22819 \ifXC@tst
22820 \expandafter\XC@bidideclaredcolor\else
22821 \expandafter\XC@bidideclaredc@lor\fi}
22822 \def\XC@bidideclaredcolor
22823 {\XC@split\XC@tmp
22824 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
22825 \expandafter\endgroup\@tmp}
22826 \def\XC@bidideclaredc@lor
22827 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
22828 \edef\current@color{\XC@current@color}%
22829 \XC@display}
22830 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
22831 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
22832 \def\color@fb@x#1#2#3#4%
22833 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
22834 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
22835 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

147 File latex-xetex-bidi.def

22836 \ProvidesFile{latex-xetex-bidi.def}[2022/06/07 v1.4.4 bidi adaptations for `latex.ltx' for



```

22837 \newcommand{\TeXeTOn}{\TeXeTstate\@ne}
22838 \newcommand{\TeXeTOff}{\TeXeTstate\z@}
22839 \TeXeTOn
22840 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebo
22841 \let\ bidi@o@everypar=\everypar
22842 \newtoks\ bidi@n@everypar
22843 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
22844 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
22845 \let\everypar=\ bidi@n@everypar
22846 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
22847 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
22848 \protected\def\ hboxR{\ hbox\bgroup
22849 \everyhbox{%
22850 \aftergroup\egroup
22851 \everyhbox{}%
22852 \beginR
22853 \@ hboxRconstructtrue
22854 \bgroup
22855 \aftergroup\endR
22856 \aftergroup\egroup
22857 }\ hbox}
22858 \protected\def\ hboxL{\ hbox\bgroup
22859 \everyhbox{%
22860 \aftergroup\egroup
22861 \everyhbox{}%
22862 \beginL
22863 \@ hboxRconstructfalse
22864 \bgroup
22865 \aftergroup\endL
22866 \aftergroup\egroup
22867 }\ hbox}
22868 \protected\def\ vboxR{\ vbox\bgroup
22869 \everyvbox{%
22870 \aftergroup\egroup
22871 \everyvbox{}%
22872 \@RTLtrue
22873 \@RTLtabtrue
22874 \bgroup
22875 \aftergroup\egroup
22876 }\ vbox}
22877 \protected\def\ vboxL{\ vbox\bgroup
22878 \everyvbox{%
22879 \aftergroup\egroup
22880 \everyvbox{}%
22881 \@RTLfalse
22882 \@RTLtabfalse
22883 \bgroup
22884 \aftergroup\egroup
22885 }\ vbox}
22886 \newcommand*{\ bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
22887 \newcommand*{\ bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
22888 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\ bidi@bea
22889 \def\endLTR{\par}
22890 \newenvironment{LTR*}{\LTR

```



```

22891 \everypar{%
22892   {\setbox\z@\lastbox
22893     \ifvoid\z@
22894       \kern-\parindent
22895     \fi}%
22896   }%
22897 }{\endLTR\@endpetrue}
22898 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
22899 \def\endRTL{\par}
22900 \newenvironment{RTL*}{\RTL
22901   \everypar{%
22902     {\setbox\z@\lastbox
22903       \ifvoid\z@
22904         \kern-\parindent
22905       \fi}%
22906     }%
22907 }{\endRTL\@endpetrue}
22908 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\bidi@beamer@ragged}
22909 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\bidi@beamer@ragged}
22910 \let\unsetRTL=\setLTR
22911 \let\unsetLTR=\setRTL
22912 \let\LR=\LRE
22913 \let\RL=\RLE
22914 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
22915 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
22916 \let\@ensure@RL=\@ensure@RTL
22917 \let\@ensure@LR=\@ensure@LTR
22918 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
22919 \let\@ensure@maindir=\@ensure@dir
22920 \def\@@RTL{RTL}
22921 \def\@@LTR{LTR}
22922 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
22923 \def\reset@dir{\ifx\save@@dir\@@RTL\setRTL\else\ifx\save@@dir\@@LTR\setLTR\else\relax\fi}
22924 \let\@@TeX\TeX
22925 \def\TeX{\@ensure@LTR{\@@TeX}}
22926 \let\@@LaTeX\LaTeX
22927 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
22928 \let\@@LaTeXe\LaTeXe
22929 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
22930 \long\def\bidi@reflect@box#1{%
22931   \leavevmode
22932   \setbox\z@\hbox{#1}%
22933   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
22934   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
22935 }
22936 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
22937   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em\TeX}}$}}
22938 \bidi@newrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
22939   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em\LaTeX}}$}}
22940 \let\setRL=\setRTL
22941 \let\setLR=\setLTR
22942 \let\unsetRL=\setLTR
22943 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
22944 \ifpackageloaded{array}{%

```



```

22945 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
22946 \leavevmode
22947 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
22948 \let\dollarend\endgroup
22949 \@tabarray}
22950 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
22951 }{%
22952 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
22953 \leavevmode \hbox \bgroup
22954 $\left.\let\@acol\@tabacol
22955 \let\@classz\@tabclassz
22956 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
22957
22958 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22959 \egroup\right\rbrace $\egroup}}
22960 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
22961 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right\}}
22962 \renewenvironment{RTLcases}{%
22963 \bidi@matrix@check\RTLcases\env@RTLcases
22964 }{%
22965 \endbidi@tabular@RTLcases%
22966 }
22967 \def\env@RTLcases{%
22968 \let\@ifnextchar\bidi@new@ifnextchar
22969 \def\arraystretch{1.2}%
22970 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
22971 }
22972 \def\SepMark#1{\gdef\@SepMark{#1}}
22973 \SepMark{.}
22974 \def\@thmcountersep{\@SepMark}
22975 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
22976 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
22977 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
22978 \newcommand*{\bidi@thebibliography@font@hook}{}
22979 \def\list#1#2{%
22980 \ifnum \@listdepth >5\relax
22981 \@toodeep
22982 \else
22983 \global\advance\@listdepth\@ne
22984 \fi
22985 \rightmargin\z@
22986 \listparindent\z@
22987 \itemindent\z@
22988 \csname @list\romannumeral\the\@listdepth\endcsname
22989 \def\@itemlabel{#1}%
22990 \let\makelabel\@mklab
22991 \@nbrlistfalse
22992 #2\relax
22993 \@trivlist
22994 \parskip\parsep
22995 \parindent\listparindent
22996 \advance\linewidth -\rightmargin
22997 \advance\linewidth -\leftmargin
22998 \if@bidi@list@minipage@parbox

```



```

22999 \if@RTL
23000 \advance\@totalleftmargin \leftmargin
23001 \else
23002 \advance\@totalleftmargin \rightmargin
23003 \fi
23004 \else
23005 \if@hboxRconstruct
23006 \if@bidi@list@minipage@parbox@not@nob
23007 \if@RTL
23008 \advance\@totalleftmargin \rightmargin
23009 \else
23010 \advance\@totalleftmargin \leftmargin
23011 \fi
23012 \else
23013 \if@RTL
23014 \advance\@totalleftmargin \leftmargin
23015 \else
23016 \advance\@totalleftmargin \rightmargin
23017 \fi\fi
23018 \else
23019 \if@RTL
23020 \advance\@totalleftmargin \rightmargin
23021 \else
23022 \advance\@totalleftmargin \leftmargin
23023 \fi\fi\fi
23024 \parshape \@ne \@totalleftmargin \linewidth
23025 \ignorespaces}
23026 \long\def\@iiparbox#1#2[#3]#4#5{%
23027 \leavevmode
23028 \@pboxswfalse
23029 \if@hboxRconstruct
23030 \@bidi@list@minipage@parbox@not@nobtrue
23031 \fi
23032 \if@RTL
23033 \ifx#1t%
23034 \@bidi@list@minipage@parboxtrue
23035 \else
23036 \ifx#1b%
23037 \@bidi@list@minipage@parboxtrue
23038 \fi
23039 \fi
23040 \fi
23041 \setlength\@tempdima{#4}%
23042 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
23043 \ifx\relax#2\else
23044 \setlength\@tempdimb{#2}%
23045 \edef\@parboxto{to\the\@tempdimb}%
23046 \fi
23047 \if#1b\vbox
23048 \else\if #1t\top
23049 \else\ifmmode\center
23050 \else\@pboxswtrue $\center
23051 \fi\fi\fi
23052 \@parboxto{\let\hss\vss\let\unhbox\unvbox

```



```

23053      \csname bm@#3\endcsname}%
23054      \if@pboxsw \m@th$\fi
23055      \@end@tempboxa}
23056 \newenvironment{LTRitems}
23057     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
23058      \if@bidi@list@minipage@parbox
23059      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
23060      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23061      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
23062      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23063      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23064      \ignorespaces}{\vskip\z@}
23065 \newenvironment{RTLitems}
23066     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
23067      \if@bidi@list@minipage@parbox
23068      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
23069      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23070      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
23071      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23072      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23073      \ignorespaces}{\vskip\z@}
23074 \newenvironment{LTRbibitems}
23075     {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
23076      \if@bidi@list@minipage@parbox
23077      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
23078      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23079      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
23080      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23081      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23082      \ignorespaces}{\vskip\z@}
23083 \newenvironment{RTLbibitems}
23084     {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
23085      \if@bidi@list@minipage@parbox
23086      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
23087      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23088      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
23089      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23090      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23091      \ignorespaces}{\vskip\z@}
23092 \def\raggedright{%
23093   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
23094   \leftskip\z@skip
23095   \parindent\z@\parfillskip\z@skip}
23096 \let\@bidi@orig@raggedleft\raggedleft
23097 \let\@bidi@orig@raggedright\raggedright
23098 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRco
23099 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRco
23100 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
23101 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
23102 \def\centerline#1{%
23103 \if@RTL\@@line{\hss\beginR#1\endR\hss}
23104 \else\@@line{\hss#1\hss}\fi}
23105 \def\leftline#1{%
23106 \if@RTL\@@line{\beginR#1\endR\hss}

```




```

23107 \else\@@line{#1\hss}\fi}
23108 \def\rightline#1{%
23109 \if@RTL\@@line{\hss\beginR#1\endR}
23110 \else\@@line{\hss#1}\fi}
23111 \let\bidiorig@leftline\leftline
23112 \let\bidiorig@rightline\rightline
23113 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\
23114 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
23115 \def\bidirlap#1{\hb@xt@{z}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
23116 \def\bidillap#1{\hb@xt@{z}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
23117 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
23118 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
23119 \def\narrower{%
23120 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
23121 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
23122 \def\underline#1{%
23123 \relax
23124 \ifmmode\@@underline{#1}%
23125 \else
23126 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
23127 \else
23128 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
23129 \if@compatibility
23130 \let\undertext=\underline
23131 \fi
23132 \def\@tabular{%
23133 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
23134 $\let\@acol\@tabacol
23135 \let\@classz\@tabclassz
23136 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
23137 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
23138 \egroup $\if@RTLtab\endR\fi\egroup}
23139 \expandafter \let \csname endtabular*\endcsname = \endtabular
23140 \def\@array[#1]#2{%
23141 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
23142 \bgroup
23143 \setbox\@arstrutbox\hbox{%
23144 \vrule \@height\arraystretch\ht\strutbox
23145 \@depth\arraystretch \dp\strutbox
23146 \@width\z@}%
23147 \mkpream{#2}%
23148 \edef\@preamble{%
23149 \ialign \noexpand\@halignto
23150 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
23151 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23152 \let\@tabularnewline\%
23153 \let\par\@empty
23154 \let\@sharp##%
23155 \set@typeset@protect
23156 \lineskip\z@skip\baselineskip\z@skip
23157 \ifhmode \@preamerr\z@ \@@par\fi
23158 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
23159 \@preamble}
23160 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz

```



```

23161 \let\@classiv\@arrayclassiv
23162 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
23163 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
23164     \ifnum \@lastchclass=3 5 \else
23165     \z@ \if #1c\@chnum \z@ \else
23166         \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
23167         \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
23168         \@chclass \if #1|\@ne \else
23169         \if #1@\tw@ \else
23170         \if #1p3 \else \z@ \@preamerr 0\fi
23171 \fi \fi \fi \fi \fi \fi
23172 \fi}
23173 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
23174 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
23175 \def\bm@t{\unhbox\@tempboxa\hss}
23176 \def\bm@b{\hss\unhbox\@tempboxa}
23177 \def\@dottedtocline#1#2#3#4#5{%
23178     \ifnum #1>\c@tocdepth \else
23179     \vskip \z@ \@plus.2\p@
23180     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
23181     \parindent #2\relax\@afterindenttrue
23182     \interlinepenalty\@M
23183     \leavevmode
23184     \@tempdima #3\relax
23185     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
23186     {#4}\nobreak
23187     \leaders\hbox{$\m@th
23188         \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
23189         mu$}\hfill
23190     \nobreak
23191     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
23192     \par}%
23193 \fi}
23194
23195 \newcount\@bidi@column@check@number
23196
23197 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
23198
23199 \def\@bidi@set@column@status#1#2{%
23200     \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
23201
23202 \if@twocolumn
23203 \newcommand\DetectColumn[3][1]{%
23204     \ifx\@bidi@firstcolumn@status\write\relax
23205     \PackageError{bidi}%
23206     {Option 'DetectColumn' not selected}%
23207     {\string\DetectColumn\space
23208     requires the use of the 'DetectColumn'
23209     option on the package}%
23210 \fi
23211 \global\advance\@bidi@column@check@number\@ne
23212 \edef\@bidi@column@type{\expandafter\ifx
23213     \csname bidi@column-\the\@bidi@column@check@number\endcsname\relax
23214     0\else

```



```

23215         \csname bidi@column-\the\bidi@column@check@number\endcsname
23216         \fi}%
23217 \ifcase \bidi@column@type\relax
23218     \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
23219 \or
23220     #2% % 1 First column
23221 \or
23222     #3% % 2 Second (Last column)
23223 \else
23224     \ERROR
23225 \fi
23226 \edef\next{\write\@auxout
23227     {\string\bidi@set@column@status{\bidi@column-\the\bidi@column@check@number}%
23228         {\bidi@column@type}}}%
23229 \next
23230 }
23231
23232 \AtEndDocument{\def\bidi@set@column@status#1#2{%
23233     \ifnum #2=\bidi@current@column@status\else
23234         \@tempwatrue
23235     \fi}%
23236 }
23237 \fi
23238
23239 \def\RTL@outputdblcol{%
23240     \if@firstcolumn
23241         \global\@firstcolumnfalse
23242         \global\setbox\@leftcolumn\copy\@outputbox
23243         \splitmaxdepth\maxdimen
23244         \vbadness\maxdimen
23245         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
23246         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
23247         \toks@\expandafter{\topmark}%
23248         \xdef\@firstcoltopmark{\the\toks@}%
23249         \toks@\expandafter{\splitfirstmark}%
23250         \xdef\@firstcolfirstmark{\the\toks@}%
23251         \ifx\@firstcolfirstmark\@empty
23252             \global\let\@setmarks\relax
23253         \else
23254             \gdef\@setmarks{%
23255                 \let\firstmark\@firstcolfirstmark
23256                 \let\topmark\@firstcoltopmark}%
23257         \fi
23258     \else
23259         \global\@firstcolumntrue
23260         \setbox\@outputbox\vbox{%
23261             \hb@xt@\textwidth{%
23262                 \hskip \columnwidth
23263                 \hfil
23264                 {\normalcolor\vrule \@width\columnseprule}%
23265                 \hfil
23266                 \hb@xt@\columnwidth{%
23267                     \bidi@firstcolumn@status\write%
23268                     \box\@leftcolumn \hss}%

```



```

23269      \hskip -\textwidth
23270      \hb@xt@\columnwidth{%
23271      \bidi@lastcolumn@status@write%
23272      \box\@outputbox \hss}%
23273      \hskip \columnsep
23274      \hskip \columnwidth }}%
23275 \@@combinedblfloats
23276   \@@setmarks
23277   \@@outputpage
23278   \begin@group
23279     \@@dblfloatplacement
23280     \@@startdblcolumn
23281     \@@whilesw@if@fcolmade \fi{\@@outputpage
23282     \@@startdblcolumn}%
23283     \end@group
23284   \fi}%
23285
23286 \def\LTR@outputdblcol{%
23287   \if@firstcolumn
23288     \global\@firstcolumnfalse
23289     \global\setbox\@leftcolumn\copy\@outputbox
23290     \splitmaxdepth\maxdimen
23291     \vbadness\maxdimen
23292     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
23293     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
23294     \toks@\expandafter{\topmark}%
23295     \xdef\@firstcoltopmark{\the\toks@}%
23296     \toks@\expandafter{\splitfirstmark}%
23297     \xdef\@firstcolfirstmark{\the\toks@}%
23298     \ifx\@firstcolfirstmark\@empty
23299       \global\let\@@setmarks\relax
23300     \else
23301       \gdef\@@setmarks{%
23302         \let\firstmark\@firstcolfirstmark
23303         \let\topmark\@firstcoltopmark}%
23304     \fi
23305   \else
23306     \global\@firstcolumntrue
23307     \setbox\@outputbox\vbox{%
23308       \hb@xt@\textwidth{%
23309         \hb@xt@\columnwidth{%
23310           \bidi@firstcolumn@status@write%
23311           \box\@leftcolumn \hss}%
23312       \hfil
23313       {\normalcolor\vrule \@width\columnseprule}%
23314       \hfil
23315       \hb@xt@\columnwidth{%
23316         \bidi@lastcolumn@status@write%
23317         \box\@outputbox \hss}}}%
23318   \@@combinedblfloats
23319   \@@setmarks
23320   \@@outputpage
23321   \begin@group
23322     \@@dblfloatplacement

```



```

23323 \startdblcolumn
23324 \@whilesw\if@fcolmade \fi{\@outputpage
23325 \startdblcolumn}%
23326 \endgroup
23327 \fi}%
23328
23329
23330 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
23331 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
23332 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
23333
23334 \bidi@patchcmd\@makecol{%
23335 \ifvoid\footins
23336 \setbox\@outputbox \box\@cclv
23337 \else
23338 \setbox\@outputbox \vbox {%
23339 \boxmaxdepth \@maxdepth
23340 \unvbox \@cclv
23341 \vskip \skip\footins
23342 \color@begingroup
23343 \normalcolor
23344 \footnoterule
23345 \unvbox \footins
23346 \color@endgroup
23347 }%
23348 \fi
23349 }{%
23350 \ifvoid\footins
23351 \ifvoid\@bidi@copyins@
23352 \setbox\@outputbox \box\@cclv
23353 \else
23354 \setbox\@outputbox \vbox {%
23355 \boxmaxdepth \@maxdepth
23356 \unvbox \@cclv
23357 \vskip \skip\@bidi@copyins@
23358 \color@begingroup
23359 \normalcolor
23360 \unvbox \@bidi@copyins@
23361 \color@endgroup
23362 }%
23363 \fi
23364 \else
23365 \setbox\@outputbox \vbox {%
23366 \boxmaxdepth \@maxdepth
23367 \unvbox \@cclv
23368 \vskip \skip\footins
23369 \color@begingroup
23370 \normalcolor
23371 \footnoterule
23372 \unvbox \footins
23373 \color@endgroup
23374 \ifvoid\@bidi@copyins@
23375 \else
23376 \vskip \skip\@bidi@copyins@

```



```

23377         \color@begingroup
23378         \normalcolor
23379         \unvbox \@bidi@copyins@
23380         \color@endgroup
23381     \fi
23382 }%
23383 \fi
23384 }{}{}
23385
23386 \def\LTRmarginpar{%
23387     \ifhmode
23388         \@bsphack
23389         \@floatpenalty -\@Mii
23390     \else
23391         \@floatpenalty-\@Miii
23392     \fi
23393     \ifinner
23394         \@parmoderr
23395         \@floatpenalty\z@
23396     \else
23397         \@next\@currbox\@freelist{}{}%
23398         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
23399         {\@floatpenalty\z@
23400         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
23401     \fi
23402     \@ifnextchar [\@LTRxmpar\@LTRympar}
23403 \long\def\@LTRxmpar[#1]#2{%
23404     \@LTRsavemarbox\@marbox{#1}%
23405     \@LTRsavemarbox\@currbox{#2}%
23406     \@xympar}
23407 \long\def\@LTRympar#1{%
23408     \@LTRsavemarbox\@marbox{#1}%
23409     \global\setbox\@currbox\copy\@marbox
23410     \@xympar}
23411 \long\def \@LTRsavemarbox #1#2{%
23412     \global\setbox #1%
23413         \color@vbox
23414         \vtop{%
23415             \hsize\marginparwidth
23416             \@parboxrestore
23417             \@LTRmarginparreset
23418             #2%
23419             \@minipagefalse
23420             \outer@nobreak
23421         }%
23422     \color@endbox
23423 }
23424 \def \@LTRmarginparreset {%
23425     \reset@font
23426     \normalsize
23427     \@minipagetrue
23428     \everypar{\@minipagefalse\everypar{}\beginL}%
23429 }
23430 \def\RTLmarginpar{%

```



```

23431 \ifhmode
23432   \@bsphack
23433   \@floatpenalty -\@Mii
23434 \else
23435   \@floatpenalty-\@Miii
23436 \fi
23437 \ifinner
23438   \@parmoderr
23439   \@floatpenalty\z@
23440 \else
23441   \@next\@currbox\@freelist{}\{}%
23442   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
23443   {\@floatpenalty\z@
23444    \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
23445 \fi
23446 \@ifnextchar [\@RTLxmpar\@RTLympar}
23447 \long\def\@RTLxmpar[#1]#2{%
23448   \@RTLSavemarbox\@marbox{#1}%
23449   \@RTLSavemarbox\@currbox{#2}%
23450   \@xympar}
23451 \long\def\@RTLympar#1{%
23452   \@RTLSavemarbox\@marbox{#1}%
23453   \global\setbox\@currbox\copy\@marbox
23454   \@xympar}
23455 \long\def \@RTLSavemarbox #1#2{%
23456   \global\setbox #1%
23457     \color@vbox
23458     \vtop{%
23459       \hsize\marginparwidth
23460       \@parboxrestore
23461       \@RTLmarginparreset
23462       #2%
23463       \@minipagefalse
23464       \outer@nobreak
23465     }%
23466   \color@endbox
23467 }
23468 \def \@RTLmarginparreset {%
23469   \reset@font
23470   \normalsize
23471   \@minipagetrue
23472   \everypar{\@minipagefalse\everypar{}\beginR}%
23473 }
23474 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
23475   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
23476   \if@twocolumn
23477     \if@firstcolumn \@tempcnta\m@ne \fi
23478   \else
23479     \if@mparswitch
23480       \ifodd\c@page \else\@tempcnta\m@ne \fi
23481     \fi
23482     \if@reversemargin \@tempcnta -\@tempcnta \fi
23483   \fi
23484   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi

```



```

23485 \@tempdima\@mparbottom
23486 \advance\@tempdima -\@pageht
23487 \advance\@tempdima\ht\@marbox
23488 \ifdim\@tempdima >\z@
23489 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
23490 \else
23491 \@tempdima\z@
23492 \fi
23493 \global\@mparbottom\@pageht
23494 \global\advance\@mparbottom\@tempdima
23495 \global\advance\@mparbottom\dp\@marbox
23496 \global\advance\@mparbottom\marginparpush
23497 \advance\@tempdima -\ht\@marbox
23498 \global\setbox \@marbox
23499 \vbox {\vskip \@tempdima
23500 \box \@marbox}%
23501 \global \ht\@marbox \z@
23502 \global \dp\@marbox \z@
23503 \kern -\@pagedp
23504 \nointerlineskip
23505 \hb@xt@\columnwidth
23506 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
23507 \hskip\columnwidth \hskip\marginparsep
23508 \else
23509 \hskip -\marginparsep \hskip -\marginparwidth
23510 \fi
23511 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\
23512 \nointerlineskip
23513 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
23514 \long\def\@ympar#1{%
23515 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
23516 \global\setbox\@currbox\copy\@marbox
23517 \@xympar}
23518 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
23519 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
23520 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
23521 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
23522 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
23523 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
23524 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
23525 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
23526 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
23527 \fi}
23528
23529 \newcommand*{\bidi@font@@outputpage}{\}
23530
23531 \def\@outputpage{%
23532 \begingroup % the \endgroup is put in by \aftergroup
23533 \let \protect \noexpand
23534 \resetactivechars
23535 \global\let\@@if@newlist\if@newlist
23536 \global\@newlistfalse
23537 \parboxrestore
23538 \global\let\bidi@BeforeOutputPageShipOut\@firstofone

```




```

23539 \bidi@beforeoutputpageshipouthook
23540 \shipout \vbox{%
23541   \set@typeset@protect
23542   \aftergroup \endgroup
23543   \aftergroup \set@typeset@protect
23544                                     % correct? or just restore by ending
23545                                     % the group?
23546 \if@specialpage
23547   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
23548 \fi
23549 \if@twoside
23550   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
23551   \if@RTLmain
23552     \let\@themargin\evensidemargin
23553   \else
23554     \let\@themargin\oddsidemargin
23555   \fi
23556 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
23557 \if@RTLmain
23558   \let\@themargin\oddsidemargin
23559 \else
23560   \let\@themargin\evensidemargin
23561 \fi
23562 \fi
23563 \ifx\@thehead\@empty \let\@thehead\hfil \fi
23564 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
23565 \else %% not @twoside
23566 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
23567 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
23568 \fi
23569 \reset@font
23570 \normalsize
23571 \bidi@font@@outputpage
23572 \normalsfcodes
23573 \let\label\@gobble
23574 \let\index\@gobble
23575 \let\glossary\@gobble
23576 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
23577 \begin{document}
23578 \vskip \topmargin
23579 \moveright\@themargin \vbox {%
23580   \global\let\bidi@BeforeHeader\@firstofone
23581   \bidi@beforeheaderhook
23582   \setbox\@tempboxa \vbox to\headheight{%
23583     \vfil
23584     \color@hbox
23585     \normalcolor
23586     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
23587     \color@endbox
23588   }%
23589   \dp\@tempboxa \z@
23590   \box\@tempboxa
23591   \vskip \headsep
23592   \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone

```



```

23593 \bidi@beforeoutputboxoutputpagehook
23594 \box\@outputbox
23595 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
23596 \bidi@afteroutputboxoutputpagehook
23597 \global\let\bidi@BeforeFooter\@firstofone
23598 \bidi@beforefooterhook
23599 \baselineskip \footskip
23600 \color@hbox
23601 \normalcolor
23602 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
23603 \color@endbox
23604 \global\let\bidi@AfterFooter\@firstofone
23605 \bidi@afterfooterhook
23606 }%
23607 }%
23608 \global\let\bidi@AfterOutputPageShipOut\@firstofone
23609 \bidi@afteroutputpageshipouthook
23610 \global\let\if@newlist\@if@newlist
23611 \global \colht \textheight
23612 \stepcounter{page}%
23613 \let\firstmark\botmark
23614 \global\let\bidi@AtEndOutputPage\@firstofone
23615 \bidi@atendoutputpagehook
23616 }
23617 \long\def\@makecaption#1#2{%
23618 \vskip\abovcaptionskip
23619 \sbox\@tempboxa{#1: #2}%
23620 \ifdim \wd\@tempboxa >\hsize
23621 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
23622 \else
23623 \global \@minipagefalse
23624 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
23625 \fi
23626 \vskip\belowcaptionskip}
23627 \let\bidi@saved@eqno=\eqno
23628 \let\bidi@saved@leqno=\leqno
23629 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
23630 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
23631 \@ifpackageloaded{amsmath}{}{}
23632 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
23633 }
23634 \input{footnote-xetex-bidi.def}
23635 \if@twocolumn
23636 \let\autofootnoterule\relax
23637 \let\leftfootnoterule\relax
23638 \let\rightfootnoterule\relax
23639 \textwidthfootnoterule
23640 \fi
23641 \if@bidi@csundef{\idxitem}{}{}
23642 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
23643 }
23644 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
23645 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
23646 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}

```



```

23647 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
23648 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
23649 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
23650 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
23651 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
23652 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
23653 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
23654 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
23655 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
23656 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
23657 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
23658 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
23659 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
23660 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
23661 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
23662 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
23663 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
23664 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
23665 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
23666 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
23667 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
23668 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
23669 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
23670 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
23671 \@ifpackageloaded{amsmath}{\%
23672 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
23673 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
23674 }
23675 \@ifpackageloaded{mathtools}{\%
23676 \RequirePackage{graphicx}%
23677 \input{mathtools-xetex-bidi.def}%
23678 }{}
23679 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
23680 \@ifpackageloaded{lscap}{\RequirePackage{graphicx}}{}
23681 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
23682 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
23683 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
23684 \@ifpackagewith{algorithm2e}{algonl}{\%
23685 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A
23686 }}{}
23687 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
23688 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
23689 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
23690 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
23691 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
23692 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
23693 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
23694 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
23695 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
23696 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
23697 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
23698 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
23699 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
23700 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}

```



```

23701 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
23702 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
23703 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
23704 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}}{\input{floatrow-xetex-bidi.def}}{}
23705 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
23706 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
23707 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
23708 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
23709 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
23710 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
23711 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
23712 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
23713 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
23714 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
23715 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
23716 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
23717 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
23718 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
23719 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
23720 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
23721 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
23722 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
23723 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
23724 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
23725 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
23726 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
23727 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
23728 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
23729 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
23730 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
23731 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
23732 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
23733 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
23734 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
23735 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
23736 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
23737 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
23738 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
23739 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
23740 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
23741 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
23742 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
23743 \@ifpackagewith{sidecap}{innercaption}{%
23744 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
23745 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} \{{#1}\hspace{\sidecaptionsep}{#2}}
23746 \renewcommand*{\SC@justify@caption}{%
23747 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
23748 \renewcommand*{\SC@FLOAT}[2]{%
23749 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} \{{#2}\hspace{\sidecaptionsep}{#1}}
23750 \renewcommand*{\SC@justify@caption}{%
23751 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
23752 }{}
23753 \@ifpackagewith{sidecap}{rightcaption}{%
23754 \if@RTL\renewcommand*{\SC@FLOAT}[2]{\{{#1}\hspace{\sidecaptionsep}{#2}}

```



```

23755 \def\SC@justify@caption{\RaggedLeft}\else%
23756 \renewcommand*{\SC@FLOAT}[2]{\#{2}\hspace{\sidecaptionsep}{#1}}
23757 \def\SC@justify@caption{\RaggedRight}\fi%
23758 }{}
23759 \@ifpackagewith{sidecap}{leftcaption}{%
23760 \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#{2}\hspace{\sidecaptionsep}{#1}}
23761 \def\SC@justify@caption{\RaggedRight}\else%
23762 \renewcommand*{\SC@FLOAT}[2]{\#{1}\hspace{\sidecaptionsep}{#2}}
23763 \def\SC@justify@caption{\RaggedLeft}\fi%
23764 }{}
23765 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
23766 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
23767 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
23768 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
23769 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
23770 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
23771 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
23772 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
23773 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
23774 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
23775 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
23776 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
23777 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
23778 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
23779 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
23780 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
23781 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
23782 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
23783 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
23784 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
23785 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
23786 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
23787 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
23788 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
23789 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
23790 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
23791 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
23792 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}{}
23793 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
23794 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
23795 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
23796 \@ifpackageloaded{beamerinnerthemerectangles}{\input{beamerinnerthemerectangles-xetex-bidi.def}}{}
23797 \@ifpackageloaded{beamerinnerthememrounded}{\input{beamerinnerthememrounded-xetex-bidi.def}}{}
23798 \@ifpackageloaded{beamerouterthemedefault}{\input{beamerouterthemedefault-xetex-bidi.def}}{}
23799 \@ifpackageloaded{beamerouterthemeinfoclines}{\input{beamerouterthemeinfoclines-xetex-bidi.def}}{}
23800 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
23801 \@ifpackageloaded{beamerouterthemesidebar}{\input{beamerouterthemesidebar-xetex-bidi.def}}{}
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23805 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f

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23807 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
23808 \let\@@XeLaTeX\XeLaTeX
23809 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

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