



The bidi Package

Source documentation for version 37.3

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 $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ and $\mathrm{\LaTeX}$, using $\mathrm{XeT}_{\mathrm{E}}\mathrm{X}$ engine

Source documentation for [version 37.3](#)

Vafa Khalighi*

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the $\mathrm{\LaTeX}$ 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\c@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
13    \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17    \endgroup
18  \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@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   \uppercasenonmath\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     \@makefntext{%
249       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252   \insert\footins{%
253     \@RTLtrue%
254     \reset@font%
255     \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
256     \interlinepenalty\interfootnotelinepenalty
257     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258     \floatingpenalty\@MM \hsize\columnwidth
259     \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \RTLfalse%
269 \reset@font%
270 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\@MM \hsize\columnwidth
274 \@parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@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 $\if@RTLtab\endR\fi\egroup}
383 \expandafter\let\csname endtabular*\endcsname=\endtabular
384 \def\@array[#1]#2{%
385 \@tempdima \ht \strutbox
386 \advance \@tempdima by\extrarowheight
387 \setbox \@arstrutbox \hbox{\vrule
388 \@height \arraystretch \@tempdima
389 \@depth \arraystretch \dp \strutbox
390 \@width \z@}%
391 \beginR
392 \mkpream{#2}%
393 \xdef\@preamble{\noexpand \ialign \@halignto
394 \bgroup \@arstrut \@preamble
395 \tabskip \z@ \cr}%
396 \endgroup
397 \@arrayleft
398 \if #1t\vtop \else \if#1b\ vbox \else \vcenter \fi \fi
399 \bgroup
400 \let \@sharp ##\let \protect \relax
401 \lineskip \z@
402 \baselineskip \z@
403 \m@th
404 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRo
405 \def\@tabarray{\@ifnextchar{\@array}{\@array[c]}}
406 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@prea
407 \def\array{\col@sep\arraycolsep
408 \def\d@llarbegin{$}\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 \begingroup
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{\@xmakefntext{%
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     \begingroup
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}[2022/06/06 v0.2 bidi adaptations for beamer class for X
1502 \bidi@patchcmd{\mathdisplay}{\else}{%
1503     \else
1504     \rightskip\z@
1505 }{}{}
1506
1507 \AtBeginDocument{%
1508     \if@RTLmain
1509         \raggedleft
1510     \else
1511         \raggedright
1512     \fi
1513 }
1514
1515 \renewcommand*{\bidi@beamer@ragged}{%
1516     \if@RTL
1517         \raggedleft
1518     \else
1519         \raggedright
1520     \fi
1521 }
1522
1523

```

15 File beamerbaseauxtemplates-xetex-bidi.def



```

1524 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2022/06/06 v0.2 bidi adaptations for be
1525 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1526
1527 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1528
1529 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1530
1531 \defbeamertemplate{section in toc}{circle}
1532 {\leavevmode\bidi@beamer@leftskip=2ex%
1533   \llap{%
1534     \usebeamerfont*{section number projected}%
1535     \usebeamercolor{section number projected}%
1536     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1537       \color{bg}
1538       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1539       \pgfusepath{fill}
1540       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1541     \end{pgfpicture}\kern1.25ex%
1542   }%
1543   \inserttocsection\par}
1544
1545 \defbeamertemplate{subsection in toc}{circle}
1546 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1547
1548 \defbeamertemplate{subsubsection in toc}{circle}
1549 {\leavevmode\normalsize\usebeamerfont{subsection in
1550   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1551   \inserttocsubsubsection\par}
1552
1553 \bidi@csundef{beamer@@tmpop@section in toc@square}
1554
1555 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1556
1557 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1558
1559 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1560
1561 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1562
1563 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1564
1565 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1566
1567 \defbeamertemplate{section in toc}{square}
1568 {\leavevmode\bidi@beamer@leftskip=1.75ex%
1569   \llap{%
1570     \usebeamerfont*{section number projected}%
1571     \usebeamercolor[bg]{section number projected}%
1572     \if@RTL
1573     \else
1574       \vrule width2.25ex height1.85ex depth.4ex%
1575       \hskip-2.25ex%
1576     \fi
1577     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%

```



```

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

```



```

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

```



```

1686
1687 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1688
1689 \defbeamertemplate{section in toc}{ball}
1690 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1691 \llap{%
1692 \normalsize%
1693 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1694 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1695 \pgftext{%
1696 \usebeamerfont*{section number projected}%
1697 \usebeamerfont*{section number projected}%
1698 \color{fg!90!bg}%
1699 \inserttocsectionnumber}
1700 \end{pgfpicture}%
1701 \kern1.25ex}%
1702 \inserttocsection\par
1703 }
1704 [action]
1705 {\setbeamerfont{section number projected}{size=\scriptsize}}
1706
1707 \defbeamertemplate{subsection in toc}{ball}
1708 {\leavevmode\bidi@beamer@leftskip=5ex%
1709 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1710 \inserttocsubsection\par%
1711 }
1712
1713 \defbeamertemplate{subsubsection in toc}{ball}
1714 {\leavevmode\normalsize\usebeamerfont{subsubsection in
1715 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1716 \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1717 \inserttocsubsubsection\par%
1718 }
1719
1720 \bidi@csundef{beamer@@tmpop@block begin@rounded}
1721
1722 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1723
1724 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1725
1726 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1727 {%
1728 \par\vskip\medskipamount%
1729 \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1730 {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1731 \bidi@beamer@ragged%
1732 \usebeamerfont{block body}%
1733 }
1734
1735 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1736 {%
1737 \par\vskip\medskipamount%
1738 \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1739 {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%

```



```

1740 \bidi@beamer@ragged%
1741 \usebeamerfont{block body alerted}%
1742 }%
1743
1744 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1745 {%
1746 \par\vskip\medskipamount%
1747 \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1748 {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1749 \bidi@beamer@ragged%
1750 \usebeamerfont{block body example}%
1751 }%
1752

```

16 File beamerbaseboxes-xetex-bidi.def

```

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

```



```

1791 \fi%
1792 \bmb@temp=\bmb@width%
1793 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1794 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1795 \hbox{%
1796   \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1797     \ifdim\wd\bmb@box=0pt%
1798       \color{lower.bg}%
1799     \else%
1800       \color{upper.bg}%
1801     \fi%
1802     \pgfpathmoveto{-4bp}{-1bp}
1803     \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1804     \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1805     \pgfpathcurveto%
1806       {\pgfpoint{\bmb@dima}{3bp}}%
1807       {\pgfpoint{\bmb@dimb}{1.2bp}}%
1808       {\pgfpoint{\bmb@dimb}{-1bp}}%
1809     \bmb@dima=-\ht\bmb@box%
1810     \advance\bmb@dima by-2pt%
1811     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1812     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1813     \pgfusepath{fill}
1814   \end{pgfpicture}%
1815   \copy\bmb@box%
1816 }%
1817 \nointerlineskip%
1818 \vskip-1pt%
1819 \ifdim\wd\bmb@box=0pt%
1820 \else%
1821 \hbox{%
1822   \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1823     \bmb@dima=\bmb@width%
1824     \advance\bmb@dima by8bp%
1825     \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1826     \pgfusepath{clip}
1827     {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1828   \end{pgfpicture}%
1829 }%
1830 \nointerlineskip%
1831 \vskip-0.5pt%
1832 \fi%
1833 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}%
1834 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1835   \vskip2pt%
1836   \usebeamercolor[fg]{\bmb@lower}%
1837   \colorlet{beamerstructure}{upper.bg}%
1838   \colorlet{structure}{upper.bg}%
1839   %\color{.}%
1840   \@bidi@list@minipage@parboxfalse
1841 }
1842
1843 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1844   \begingroup

```



```

1845 \@RTLfalse
1846 }{}{}
1847
1848

```

17 File beamerbasecolor-xetex-bidi.def

```

1849 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for beamerbas
1850 \renewenvironment{beamercolorbox}[2][{}]{%
1851 \def\beamer@vmode{\leavevmode}%
1852 \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1853 leftskip=0pt,rightskip=0pt plus1fil,%
1854 sep=0pt,colsep=0pt,colsep*=0pt,%
1855 shadow=false,rounded=false,ignorebg=false}%
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 \if@RTL
1862 \@hboxRconstructtrue
1863 \else
1864 \@hboxRconstructfalse
1865 \fi
1866 \ifbeamer@colbox@ignorebg%
1867 \colorlet{beamer@temp@color}{bg}%
1868 \usebeamercolor[fg]{#2}%
1869 \colorlet{bg}{beamer@temp@color}%
1870 \else%
1871 \usebeamercolor[fg]{#2}%
1872 \fi%
1873 \vbox\bgroup%
1874 \hsize=\beamer@colbox@wd%
1875 \@arrayparboxrestore%
1876 \leftskip=\beamer@colbox@ls%
1877 \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1878 \rightskip=\beamer@colbox@rs%
1879 \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1880 \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1881 \advance\leftskip by\beamer@colbox@colsep%
1882 \advance\rightskip by\beamer@colbox@colsep%
1883 \vskip\beamer@colbox@colsep%
1884 \fi%
1885 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1886 \fi%
1887 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1888 \beamer@vmode\ignorespaces}{%
1889 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1890 \if@tempswa
1891 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1892 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1893 \fi%
1894 \egroup\color@endgroup\egroup%
1895 \wd\beamer@tempbox=\beamer@colbox@wd%

```




```

1896 \ifx\beamer@colbox@ht\empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1897 \ifx\beamer@colbox@dp\empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1898 \ifbeamer@colbox@rounded%
1899   \if@tempswa%
1900     \begin{beamerboxesrounded}[%
1901       shadow=\beamer@colbox@shadow,%
1902       lower=\beamer@colbox@color,%
1903       upper=normal text,%
1904       width=\beamer@colbox@wd]{}%
1905     \box\beamer@tempbox%
1906   \end{beamerboxesrounded}%
1907 \else%
1908   \ifdim\wd\beamer@tempbox>\textwidth%
1909     \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
1910     \fi%
1911     \box\beamer@tempbox%
1912   \fi%
1913 \else%
1914   \if@tempswa\setbox\beamer@tempbox=\hbox{%
1915     \usebeamercolor{\beamer@colbox@color}%
1916     \hskip-\beamer@colbox@colseps%
1917     \fboxsep=\z@\colorbox{bg}{}%
1918     \hskip\beamer@colbox@colseps%
1919     \box\beamer@tempbox%
1920     \hskip\beamer@colbox@colseps%
1921   }%
1922   \hskip-\beamer@colbox@colseps%
1923   }\fi%
1924   \ifdim\wd\beamer@tempbox>\textwidth%
1925     \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box%
1926     \fi%
1927     \box\beamer@tempbox%
1928   \fi%
1929 }
1930
1931

```

18 File beamerbaseframecomponents-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

2271 \def\beamer@next{%
2272 \begingroup
2273 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2274 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2275 \endgroup
2276 \@footnotemark\beamer@RTLfootnotetext#2}%
2277 \fi%
2278 \beamer@next}
2279
2280 \renewcommand<>{\LTRfootnote}[1] [] {%
2281 \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2282 \let\beamer@mpfn=\@mpfn%
2283 \let\beamer@thempfn=\thempfn%
2284 \let\beamer@kvorig=\KV@errx%
2285 \let\beamer@xkvorig=\XKV@err
2286 \def\beamer@footarg{%
2287 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2288 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}}%
2289 \setkeys{beamerfootnote}{#1}%
2290 \let\KV@errx=\beamer@kvorig%
2291 \let\XKV@errx=\beamer@xkvorig
2292 \ifx\beamer@footarg\@empty%
2293 \def\beamer@next{\stepcounter\beamer@mpfn
2294 \protected@xdef\@thefnmark{\beamer@thempfn}%
2295 \@footnotemark\beamer@LTRfootnotetext#2}%
2296 \else%
2297 \def\beamer@next{%
2298 \begingroup
2299 \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2300 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2301 \endgroup
2302 \@footnotemark\beamer@LTRfootnotetext#2}%
2303 \fi%
2304 \beamer@next}
2305
2306

```

19 File beamerbaselocalstructure-xetex-bidi.def

```

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

```




```

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

```



```

2376         \itemsep=0pt%
2377         \partopsep=0pt%
2378         \topsep=0pt%
2379         \usecounter{enumiv}%
2380         \let\p@enumiv\@empty
2381         \renewcommand\theenumiv{\@arabic\c@enumiv}
2382         \let\makelabel\beamer@biblabeltemplate}%
2383     \sloppy\bidibeamer@ragged
2384     \clubpenalty10000
2385     \@clubpenalty \clubpenalty
2386     \widowpenalty10000%
2387     \sfcode`.\@m}
2388     {\def\@noitemerr
2389      {\@latex@warning{Empty `thebibliography' environment}}}%
2390     \ifhmode\unskip\fi\endlist}
2391
2392

```

20 File beamerinnerthemedefault-xetex-bidi.def

```

2393 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/06 v0.2 bidi adaptations for b
2394 \newcommand*{\bidibeamer@leftskip}{%
2395   \if@RTL
2396     \rightskip
2397   \else
2398     \leftskip
2399   \fi
2400 }
2401
2402 \newcommand*{\bidibeamer@rightskip}{%
2403   \if@RTL
2404     \leftskip
2405   \else
2406     \rightskip
2407   \fi
2408 }
2409
2410 \bidi@csundef{beamer@tmpop@subsection in toc@default}
2411
2412 \bidi@csundef{beamer@tmpop@subsubsection in toc@default}
2413
2414 \defbeamertemplate*{subsection in toc}{default}
2415 {\leavevmode\bidibeamer@leftskip=1.5em\inserttocsubsection\par}
2416
2417 \defbeamertemplate*{subsubsection in toc}{default}
2418 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidibeamer@leftskip=3em%
2419   \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2420
2421 \newcommand*{\bidibeamer@blacktriangle}{%
2422   \if@RTL
2423     $\blacktriangleleft$%
2424   \else
2425     $\blacktriangleright$%
2426   \fi

```



```

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

```



```

2481 \parindent 1em\noindent%
2482 \bidi@beamer@@footnote@raggedright
2483 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2484 }
2485
2486 \bidi@undef\beamer@@tmpop@caption@default
2487
2488 \defbeamertemplate*{caption}{default}
2489 {%
2490 \bidi@beamer@ragged
2491 {%
2492 \leavevmode
2493 \usebeamercolor[fg]{caption name}%
2494 \usebeamerfont*{caption name}%
2495 \insertcaptionname
2496 \usebeamertemplate{caption label separator}%
2497 }%
2498 \insertcaption\par
2499 }
2500
2501

```

21 File beamerinnerthemecircles-xetex-bidi.def

```

2502 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2503 \setbeamertemplate{sections/subsections in toc}[circle]
2504

```

22 File beamerinnerthemerectangles-xetex-bidi.def

```

2505 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations fo
2506 \setbeamertemplate{sections/subsections in toc}[square]
2507 \setbeamertemplate{items}[square]
2508

```

23 File beamerinnerthemerounded-xetex-bidi.def

```

2509 \ProvidesFile{beamerinnerthemerounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
2510 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themerounded@shadow]
2511 \setbeamertemplate{items}[ball]
2512 \setbeamertemplate{sections/subsections in toc}[ball]
2513

```

24 File beamerouterthemeinfines-xetex-bidi.def

```

2514 \ProvidesFile{beamerouterthemeinfines-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for
2515 \bidi@csundef{beamer@@tmpop@footline@infines theme}
2516
2517 \defbeamertemplate*{footline}{infines theme}
2518 {%
2519 \leavevmode%
2520 \hbox{%
2521 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}
2522 \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b

```



```

2523 \end{beamercolorbox}%
2524 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
2525 \usebeamerfont{title in head/foot}\insertshorttitle
2526 \end{beamercolorbox}%
2527 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
2528 \hfill%
2529 \usebeamerfont{date in head/foot}%
2530 \insertshortdate{}%
2531 \hfill%
2532 \bgroup
2533 \usebeamercolor[fg]{page number in head/foot}%
2534 \usebeamerfont{page number in head/foot}%
2535 \usebeamertemplate{page number in head/foot}%
2536 \egroup
2537 \end{beamercolorbox}}%
2538 \vskip0pt%
2539 }
2540
2541

```

25 File beamerouterthemesidebar-xetex-bidi.def

```

2542 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2543 \bidi@csundef{beamer@@tmpop@frametitle@sidebar theme}
2544
2545 \bidi@csundef{beamer@@tmpop@headline@sidebar theme}
2546
2547 \bidi@csundef{beamer@@tmpop@sidebar left@sidebar theme}
2548
2549 \bidi@csundef{beamer@@tmpop@sidebar right@sidebar theme}
2550
2551 \ifdim\beamer@headheight>0pt
2552
2553 \defbeamertemplate*{frametitle}{sidebar theme}
2554 {%
2555 \nointerlineskip%
2556 \ifbeamer@plainframe%
2557 \hbox{\usebeamercolor[bg]{frametitle}%
2558 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
2559 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\beame
2560 \nointerlineskip%
2561 \fi%
2562 \vskip-\beamer@headheight%
2563 \vbox to \beamer@headheight{%
2564 \vfil
2565 \bidi@beamer@leftskip=-\beamer@leftmargin%
2566 \advance\bidi@beamer@leftskip by0.3cm%
2567 \bidi@beamer@rightskip=-\beamer@rightmargin%
2568 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
2569 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
2570 \ifx\insertframesubtitle\empty\else%
2571 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
2572 \fi%
2573 \vbox{}}%

```



```

2574     \vskip-1em%
2575     \vfil
2576   }%
2577 }
2578
2579 \defbeamertemplate*{headline}{sidebar theme}
2580 {%
2581   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
2582     \ifx\beamer@sidebarside\beamer@lefttext%
2583       \else%
2584         \hfill%
2585       \fi%
2586     \ifdim\beamer@sidebarwidth>0pt%
2587       \bgroup
2588         \usebeamercolor[bg]{logo}%
2589         \ifRTLmain
2590         \else
2591           \vrule width\beamer@sidebarwidth height \beamer@headheight%
2592           \hskip-\beamer@sidebarwidth%
2593         \fi
2594         \hbox to \beamer@sidebarwidth{\hss\vbox to
2595           \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
2596         \ifRTLmain
2597           \hskip-\beamer@sidebarwidth%
2598         \vrule width\beamer@sidebarwidth height \beamer@headheight%
2599         \fi
2600       \egroup
2601     \else%
2602       \vrule width0pt height \beamer@headheight%
2603     \fi%
2604   \end{beamercolorbox}
2605 }
2606 \fi
2607
2608 \ifdim\beamer@sidebarwidth>0pt
2609
2610 \AtBeginDocument{%
2611   \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
2612 }
2613
2614 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
2615 {
2616   \beamer@tempdim=\beamer@sidebarwidth%
2617   \advance\beamer@tempdim by -6pt%
2618   {\usebeamerfont{title in sidebar}%
2619     \vskip1.5em%
2620     \hskip3pt%
2621     \bgroup
2622     \usebeamercolor[fg]{title in sidebar}%
2623     \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
2624     \vskip1.25em%
2625   }%
2626   {%
2627     \hskip3pt%

```



```

2628     \bgroup
2629     \usebeamercolor[fg]{author in sidebar}%
2630     \usebeamerfont{author in sidebar}%
2631     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
2632     \vskip1.25em%
2633   }%
2634   \insertverticalnavigation{\beamer@sidebarwidth}%
2635   \vfill
2636   \ifx\beamer@sidebarside\beamer@lefttext%
2637   \else%
2638     \usebeamercolor{normal text}%
2639     \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
2640     \vskip2pt%
2641   \fi%
2642 }%
2643 \fi
2644

```

26 File beamerouterthemesplit-xetex-bidi.def

```

2645 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for be
2646 \bidi\csundef{beamer@@tmpop@footline@split theme}
2647
2648 \defbeamertemplate*{footline}{split theme}
2649 {%
2650   \leavevmode%
2651   \hbox{\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,
2652     \usebeamerfont{author in head/foot}\insertshortauthor
2653   \end{beamercolorbox}}%
2654   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
2655     \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroupleftmargin%
2656   \end{beamercolorbox}}%
2657   \vskip0pt%
2658 }
2659
2660

```

27 File beamerouterthemeshadow-xetex-bidi.def

```

2661 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for be
2662 \bidi\csundef{beamer@@tmpop@frametitle@shadow theme}
2663
2664 \defbeamertemplate*{frametitle}{shadow theme}
2665 {%
2666   \nointerlineskip%
2667   \vskip-2pt%
2668   \hbox{\leavevmode
2669     \advance\beamer@leftmargin by -12bp%
2670     \advance\beamer@rightmargin by -12bp%
2671     \beamer@tempdim=\textwidth%
2672     \advance\beamer@tempdim by \beamer@leftmargin%
2673     \advance\beamer@tempdim by \beamer@rightmargin%
2674     \hskip-\Gm@lmargin\hbox{%
2675       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%

```



```

2676         \vbox{}\vskip-.75ex%
2677         \bidi@beamer@leftskip0.3cm%
2678         \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
2679         \bgrouper\usebeamerfont[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle
2680         \ifx\insertframesubtitle\@empty\else%
2681             {\usebeamerfont*{framesubtitle}\usebeamerfont[fg]{framesubtitle}\insertframesubtitle}%
2682         \fi%
2683         \nointerlineskip
2684         \vbox{}%
2685         \end{minipage}}%
2686     \beamer@tempdim=\ht\beamer@tempbox%
2687     \advance\beamer@tempdim by 2pt%
2688     \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
2689         \begin{pgfscope}
2690             \pgfsetfillcolor{black}%
2691             \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
2692             \pgfsetfading{beamer@topshadowmask}{}%
2693             \pgfusepath{fill}%
2694         \end{pgfscope}
2695         \begin{pgfscope}
2696             \usebeamerfont{frametitle right}%
2697             \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
2698             \pgfusepath{clip}%
2699             \pgftext[left,base]{\pgfuses shading{beamer@frametitleshade}}%
2700         \end{pgfscope}
2701     \end{pgfpicture}
2702     \hskip-\paperwidth%
2703     \box\beamer@tempbox%
2704 }%
2705 \hskip-\Gm@rmargin%
2706 }%
2707 \vskip-2pt
2708 }
2709
2710

```

28 File bidi.sty

```

2711 \NeedsTeXFormat{LaTeX2e}
2712 \def\bididate{2022/06/06}
2713 \def\bidi@version{37.3}
2714 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
2715 Bidirectional typesetting in plain TeX and LaTeX]
2716 \edef\@bidi@info{*****~J%
2717 * ~J%
2718 * bidi package (Bidirectional typesetting in~J%
2719 * plain TeX and LaTeX, using XeTeX engine)~J%
2720 * ~J%
2721 * Description: A convenient interface for~J%
2722 * typesetting bidirectional texts in plain TeX~J%
2723 * and LaTeX. The package includes adaptations~J%
2724 * for use with many other commonly-used packages.~J%
2725 * ~J%
2726 * Copyright (c) 2007--2022 Vafa Khalighi~J%

```




```

2727 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
2728 * ^^J%
2729 * v\bidi@version, \bididate^^J%
2730 * ^^J%
2731 * License: LaTeX Project Public License, version^^J%
2732 * 1.3c or higher (your choice)^^J%
2733 * ^^J%
2734 * Location on CTAN: /macros/xetex/latex/bidi^^J%
2735 * ^^J%
2736 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
2737 * ^^J%
2738 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
2739 * ^^J%
2740 * Primary author of bidi package: Vafa Khalighi.^^J%
2741 * ^^J%
2742 *****}
2743 \typeout{\@bidi@info}
2744 \edef\bidi@everyjob{\the\everyjob}
2745 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
2746 \newcommand*{\bidi@version}{\ensuremath\bidi@version}
2747 \newcommand*{\IfbidiPackageVersionLater}[1]{%
2748   \ifdim\bidi@version pt > #1 pt %
2749     \expandafter\@firstoftwo
2750   \else
2751     \expandafter\@secondoftwo
2752   \fi}
2753 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
2754   \ifdim\bidi@version pt < #1 pt %
2755     \expandafter\@firstoftwo
2756   \else
2757     \expandafter\@secondoftwo
2758   \fi}
2759 \newcommand*{\IfbidiPackageVersion}[1]{%
2760   \ifdim\bidi@version pt = #1 pt %
2761     \expandafter\@firstoftwo
2762   \else
2763     \expandafter\@secondoftwo
2764   \fi}
2765 \RequirePackage{iftex}
2766 \RequireXeTeX
2767 \RequirePackage{bidiutils}
2768 \RequirePackage{zref-abspage}
2769 \RequirePackage{auxhook}
2770 \RequirePackage{ltxcmds}
2771 \RequirePackage{xkeyval}
2772 \eqnewif{\if@RTLmain}{\if@rlmain}
2773 \eqnewif{\if@RTL}{\if@rl}
2774 \newif\if@nonlatin
2775 \newif\if@bidi@perpage@footnote
2776 \newcommand*{\setlatin}{\@nonlatinfalse}
2777 \newcommand*{\setnonlatin}{\@nonlatintrue}
2778 \eqnewif{\if@RTLtab}{\if@tab@rl}
2779 \newif\if@hboxRconstruct
2780 \newif\if@bidi@pdfencrypt

```



```

2781 \newcommand*{\setRTLtable}{\@RTLtabtrue}
2782 \newcommand*{\setLTRtable}{\@RTLtabfalse}
2783 \newif\if@bidi@pdfm@mark
2784 \newif\if@RTLmarginpar
2785 \newif\if@LTRmarginpar
2786 \newif\if@LTRbibitems
2787 \newif\if@RTLbibitems
2788 \newif\if@extrafootnotefeatures
2789 \newif\if@RTLcolumnfootnotes
2790 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
2791 \newif\if@bidi@list@minipage@parbox
2792 \newif\if@bidi@list@minipage@parbox@not@nob
2793 \newcommand*{\@bidi@pdfcreator}{\%
2794   The bidi package, v\@bidi@version, \@bidi@date
2795 }
2796 \newcommand*{\@bidi@pdfproducer}{\%
2797   The bidi package, v\@bidi@version, \@bidi@date
2798 }
2799 \newcommand*{\@bidi@pdfcustomproperties}{\%
2800   This is the bidi package, Version \@bidi@version,
2801   Released June 6, 2022.
2802 }
2803 \newcommand*{\@bidi@beamer@ragged}{\%
2804   \@RTLmainfalse
2805   \AtBeginDocument{\%
2806     \if@RTLmain\else
2807       \if@RTL\@RTLmaintrue\%
2808       \else\@RTLmainfalse\%
2809     \fi\%
2810   \fi\%
2811 }
2812 \let\n@xt=\
2813 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}\%
2814 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
2815 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
2816 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
2817 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
2818   \errmessage{Missing left brace has been substituted}\fi \bgroup}
2819 \newinsert\@bidi@copyins@
2820 \skip\@bidi@copyins@=12\p@
2821 \dimen\@bidi@copyins@=40pc
2822 \count\@bidi@copyins@=1000
2823 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
2824 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{\%
2825   \if@RTLmain
2826     \if@twocolumn
2827       \hboxR to \columnwidth
2828     \else
2829       \hboxR to \textwidth
2830     \fi
2831   \else
2832     \if@twocolumn
2833       \hboxL to \columnwidth
2834     \else

```



```

2835     \hboxL to \textwidth
2836     \fi
2837 \fi
2838 }
2839 \newcommand*{\@bidi@logo}[1]{%
2840   \toks@{%
2841     \setbox\z@\hbox{%
2842       \special{%
2843         pdf:image width 50pt height 50pt (#1)%
2844       }
2845     }%
2846     \dp\z@\z@
2847     \ht\z@=50pt
2848     \wd\z@=50pt
2849     \beginL
2850     \lower20pt\box\z@
2851     \endL
2852   }%
2853   \the\toks@
2854 }
2855 \newcommand*{\@bidi@logo@}{%
2856   \@bidi@logo@hb@xt@columnwidth
2857   {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
2858     package\quad\@bidi@logo{bidi-logo.pdf}}}}
2859 \define@key{bidi@pdfencrypt}{userpassword}[]{%
2860   \def\bidi@pdfencrypt@userpassword{#1}%
2861 }
2862 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
2863   \def\bidi@pdfencrypt@ownerpassword{#1}%
2864 }
2865 \define@key{bidi@pdfencrypt}{keylength}[128]{%
2866   \def\bidi@pdfencrypt@keylength{#1}%
2867 }
2868 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
2869   \def\bidi@pdfencrypt@permissionflags{#1}%
2870 }
2871 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
2872 \@onlypreamble\pdfencryptsetup
2873 \input{latex-xetex-bidi.def}
2874 \input{loadingorder-xetex-bidi.def}
2875 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2876   \ifcase\bidi@tempb\relax
2877     \@RTLtrue
2878   \or
2879     \@RTLfalse
2880   \fi}
2881 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2882   \ifcase\bidi@tempb\relax
2883     \@RTLtrue
2884   \or
2885     \@RTLfalse
2886   \fi}
2887 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2888   \ifcase\bidi@tempb\relax

```



```

2889 \RTLtabtrue
2890 \or
2891 \RTLtabfalse
2892 \fi}
2893 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
2894 \ifcase\bidi@tempb\relax
2895 \@nonlatinfalse
2896 \or
2897 \@nonlatintrue
2898 \fi}
2899 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2900 \ifcase\bidi@tempb\relax
2901 \RTLtrue
2902 \or
2903 \RTLfalse
2904 \fi}
2905 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
2906 \ifcase\bidi@tempb\relax
2907 \autofootnoterule
2908 \or
2909 \leftfootnoterule
2910 \or
2911 \rightfootnoterule
2912 \or
2913 \SplitFootnoteRule
2914 \or
2915 \textwidthfootnoterule
2916 \fi}
2917 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
2918 \ifcase\bidi@tempb\relax
2919 \RTL@footnotetrue
2920 \or
2921 \RTL@footnotefalse
2922 \fi}
2923 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2924 \ifcase\bidi@tempb\relax
2925 \footdir@debugtrue
2926 \or
2927 \footdir@debugfalse
2928 \fi}
2929 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2930 \ifcase\bidi@tempb\relax
2931 \@extrafootnotefeaturestrue
2932 \or
2933 \@extrafootnotefeaturesfalse
2934 \fi}
2935
2936 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2937 \ifcase\bidi@tempb\relax
2938 \def\bidi@firstcolumn@status@write{%
2939 \protected@write\@auxout{%
2940 {\string\bidi@column@status
2941 {1}}}%
2942 \def\bidi@lastcolumn@status@write{%

```



```

2943         \protected@write\@auxout{}\%
2944             {\string\bidicolumn@status{2}}}%
2945     \or
2946         \let\bidifirstcolumn@status@write\relax
2947         \let\bidilastcolumn@status@write\relax
2948     \fi}
2949
2950 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2951     \ifcase\bidi@tempb\relax
2952         \AtBeginDocument{\@bidi@inslogo}%
2953     \or
2954         \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
2955     \fi}
2956
2957 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2958     \ifcase\bidi@tempb\relax
2959         \@bidi@pdfm@marktrue
2960     \or
2961         \@bidi@pdfm@markfalse
2962     \fi}
2963
2964 % The `perpagefootnote' option is documented in UK TeX FAQ at
2965 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
2966
2967 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
2968     \ifcase\bidi@tempb\relax
2969         \@bidi@perpage@footnotetrue
2970     \or
2971         \@bidi@perpage@footnotefalse
2972     \fi}
2973
2974 \ExecuteOptionsX{%
2975     DetectColumn=off%
2976 }
2977
2978 \ProcessOptionsX
2979
2980 \pdfencryptsetup{%
2981     userpassword,%
2982     ownerpassword,%
2983     keylength,%
2984     permissionflags%
2985 }
2986
2987 \if@extrafootnotefeatures
2988     \input{extrafootnotefeatures-xetex-bidi.def}
2989 \fi
2990 \newcount\bidi@digits
2991 \XeTeXinterchartokenstate=\@ne
2992 \newXeTeXintercharclass\bidi@digits@charclass
2993 \newXeTeXintercharclass\bidi@sepmark@charclass
2994 \XeTeXcharclass `\. \bidi@sepmark@charclass
2995 \XeTeXcharclass `^- \bidi@sepmark@charclass
2996 \bidi@digits=\`0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit

```



```

2997 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
2998 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
2999 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCh
3000 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3001 \bidi@AtEndPreamble{%
3002   \if@bidi@perpage@footnote
3003     \RequirePackage{bidi-perpage}%
3004     \ResetCounterPerPage{footnote}%
3005   \fi
3006   \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
3007     \ifx\bidi@pdfencrypt@userpassword\bidi@empty
3008       \@bidi@pdfencryptfalse
3009     \else
3010       \@bidi@pdfencrypttrue
3011     \fi
3012   \else
3013     \@bidi@pdfencrypttrue
3014   \fi
3015   \if@bidi@pdfencrypt
3016     \special{pdf:encrypt
3017       userpw (\bidi@pdfencrypt@userpassword)
3018       ownerpw (\bidi@pdfencrypt@ownerpassword)
3019       length \bidi@pdfencrypt@keylength
3020       perm \bidi@pdfencrypt@permissionflags
3021     }%
3022   \fi
3023 }
3024 \AtEndDocument{%
3025   \special{pdf:
3026     docinfo<<%
3027     \if@bidi@pdfm@mark
3028       /Creator(\@bidi@pdfcreator)%
3029       /Producer(\@bidi@pdfproducer)%
3030     \fi
3031     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
3032     \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
3033       /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
3034     }{}%
3035     >>%
3036   }%
3037 }

```

29 File bidi.tex

```

3038 \def\bididate{2022/06/06}
3039 \catcode\@=11
3040 \def\bidi@version{37.3}
3041 \let \protect \relax
3042 \newlinechar\^^J
3043 \edef\@bidi@info{*****~^J%
3044 * ~^J%
3045 * bidi package (Bidirectional typesetting in~^J%
3046 * plain TeX and LaTeX, using XeTeX engine)~^J%
3047 * ~^J%

```



```

3048 * Description: A convenient interface for^^J%
3049 * typesetting bidirectional texts in plain TeX^^J%
3050 * and LaTeX. The package includes adaptations^^J%
3051 * for use with many other commonly-used packages.^^J%
3052 * ^^J%
3053 * Copyright (c) 2007--2022 Vafa Khalighi^^J%
3054 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
3055 * ^^J%
3056 * v\bididate^^J%
3057 * ^^J%
3058 * License: LaTeX Project Public License, version^^J%
3059 * 1.3c or higher (your choice)^^J%
3060 * ^^J%
3061 * Location on CTAN: /macros/xetex/latex/bidi^^J%
3062 * ^^J%
3063 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
3064 * ^^J%
3065 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
3066 * ^^J%
3067 * Primary author of bidi package: Vafa Khalighi.^^J%
3068 * ^^J%
3069 *****}
3070 \message{\@bidi@info}
3071 \edef\bidieveryjob{\the\everyjob}
3072 \everyjob{\bidi@everyjob\message{\@bidi@info}}
3073 \def\bidiversion{%
3074   \relax
3075   \ifmmode
3076     \bidi@version
3077   \else
3078     $\bidi@version$
3079   \fi
3080 }
3081 \input iftex.sty
3082 \RequireXeTeX
3083 \newif\if@bidi@pdfm@mark
3084 \newif\if@RTLmain
3085 \newif\if@RTL
3086 \newif\if@hboxRconstruct
3087 \newif\if@sentedir
3088 \newif\if@RTL@footnote
3089 \@RTLmainfalse
3090 \def\setRTLmain{%
3091   \if@RTLmain\else
3092     \if@RTL\@RTLmaintrue%
3093     \else\@RTLmainfalse%
3094     \fi%
3095   \fi%
3096 }
3097 \let\n@xt=\
3098 \protected\def\LRE{\protect\pLRE}%
3099 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
3100 \protected\def\RLE{\protect\pRLE}
3101 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }

```



```

3102 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
3103 \errmessage{Missing left brace has been substituted}\fi \bgroup}
3104 \newinsert\@bidi@copyins@
3105 \skip\@bidi@copyins@=12\p@
3106 \dimen\@bidi@copyins@=40pc
3107 \count\@bidi@copyins@=1000
3108 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
3109 \def\@bidi@logo@hb@xt@{%
3110 \if@RTLmain
3111 \hboxR to
3112 \else
3113 \hboxL to
3114 \fi
3115 }
3116 \def\@bidi@logo#1{%
3117 \toks@{%
3118 \setbox\z@\hbox{%
3119 \special{%
3120 pdf:image width 50pt height 50pt (#1)%
3121 }
3122 }%
3123 \dp\z@\z@
3124 \ht\z@=50pt
3125 \wd\z@=50pt
3126 \beginL
3127 \lower20pt\box\z@
3128 \endL
3129 }%
3130 \the\toks@
3131 }
3132 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package}\quad\@bidi@logo@}}
3133 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
3134 \def\@bidi@pdfcreator{%
3135 The bidi package, v\@bidi@version, \@bidi@date
3136 }
3137 \def\@bidi@pdfproducer{%
3138 The bidi package, v\@bidi@version, \@bidi@date
3139 }
3140 \def\@bidi@pdfcustomproperties{%
3141 This is the bidi package, Version \@bidi@version,
3142 Released June 6, 2022.
3143 }
3144 \def\bidi@pdfm@mark{%
3145 \special{pdf:%
3146 docinfo<<%
3147 \if@bidi@pdfm@mark
3148 /Creator(\@bidi@pdfcreator)%
3149 /Producer(\@bidi@pdfproducer)%
3150 \fi
3151 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
3152 >>%
3153 }%
3154 }
3155 \def\bidi@pdfinfoon{\@bidi@pdfm@marktrue}

```




```

3156 \def\bidipdfinfoff{\@bidi@pdfm@markfalse}
3157 \input plain-xetex-bidi.def
3158 \@bidi@inslogo@
3159 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark@end}
3160 \catcode\@=12
3161 \bidipdfinfoon

```

30 File bidi2in1.sty

```

3162 \NeedsTeXFormat{LaTeX2e}
3163 \ProvidesPackage{bidi2in1}
3164 \pagestyle{plain}
3165 \newcount\evenpage
3166 \newcount\oddpag
3167 \twocolumn
3168 \def\@oddfoot{\evenpage=\thepage%
3169 \multiply\evenpage by 2%
3170 \oddpag=\the\evenpage%
3171 \advance\oddpag by -1%
3172 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
3173 \def\@evenfoot{\evenpage=\thepage%
3174 \multiply\evenpage by 2%
3175 \oddpag=\the\evenpage%
3176 \advance\oddpag by -1%
3177 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
3178 \textwidth 9.49in
3179 \textheight 6.7in
3180 \columnsep 0.9in
3181 \columnseprule 0.125pt
3182 \headheight 0cm
3183 \topmargin 0in
3184 \marginparwidth 0in
3185 \marginparsep 0in
3186 \hoffset 0.05in % Corrected
3187 \voffset -0.5in %top margin space is 1.0in by default
3188 \oddsidemargin 0in
3189 \evensidemargin 0in
3190 \headsep 0cm
3191 \topskip 0cm
3192 \parskip 0.15in %
3193 \headsep 0pt
3194 \special{papersize=11.69in,8.26in}
3195 \renewcommand\maketitle{\par
3196 \begingroup
3197 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
3198 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
3199 \long\def\@makefntext##1{\parindent 1em\noindent
3200 \hb@xt@1.8em{%
3201 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
3202 \@maketitle
3203 \@thanks
3204 \endgroup
3205 \setcounter{footnote}{0}%
3206 \global\let\thanks\relax

```



```

3207 \global\let\maketitle\relax
3208 \global\let\@maketitle\relax
3209 \global\let\@thanks\@empty
3210 \global\let\@author\@empty
3211 \global\let\@date\@empty
3212 \global\let\@title\@empty
3213 \global\let\title\relax
3214 \global\let\author\relax
3215 \global\let\date\relax
3216 \global\let\and\relax
3217 }

```

31 File bidicode.sty

```

3218 \NeedsTeXFormat{LaTeX2e}
3219 \ProvidesPackage{bidicode}
3220 \RequirePackage{xcolor}
3221 \RequirePackage{showexpl}
3222 \definecolor{hellgelb}{rgb}{1,1,0.85}
3223 \definecolor{colKeys}{rgb}{0,0,1}
3224 \definecolor{colIdentifier}{rgb}{0,0,0}
3225 \definecolor{colComments}{rgb}{1,0,0}
3226 \definecolor{colString}{rgb}{0,0.5,0}
3227 \lstset{
3228     language=[LaTeX]TEX,
3229     float=hbp,
3230     basicstyle=\ttfamily\small,
3231     identifierstyle=\color{colIdentifier},
3232     keywordstyle=\color{colKeys},
3233     stringstyle=\color{colString},
3234     commentstyle=\color{colComments},
3235     backgroundcolor=\color{hellgelb},
3236     columns=flexible,
3237     tabsize=4,
3238     extendedchars=true,
3239     showspaces=false,
3240     showstringspaces=false,
3241     numbers=left,
3242     numbersep=0.9em,
3243     numberstyle=\tiny, %
3244     frame=single,
3245     captionpos=b,
3246     xleftmargin=1em,
3247     breaklines=true,
3248     breakautoindent=false,
3249     breakindent=0pt,
3250     escapeinside=**,
3251     pos=r,
3252     explpreset={%
3253     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
3254     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
3255 }
3256 \newcommand\HLON{%
3257 \gdef\lst@alloverstyle##1{%

```



```

3258 \fboxrule=0pt
3259 \fboxsep=0pt
3260 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
3261 }}
3262 \newcommand\HLOFF{%
3263 \xdef\lst@alloverstyle##1{##1}%
3264 }
3265 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
3266 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
3267 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
3268 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
3269 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
3270 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}
3271 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}
3272
3273 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
3274 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
3275 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`{}}
3276 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
3277 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
3278 \DeclareRobustCommand\lrb{\normalfont\ttfamily{}}
3279 \DeclareRobustCommand\rrb{\normalfont\ttfamily}}
3280
3281 \def\Lcs#1{\nxLcs{#1}}
3282 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
3283 \def\nxLcs#1{\texttt{\symbol{92}#1}}
3284
3285 \def\Coordx#1{$x_{#1}$}
3286 \def\Coordy#1{$y_{#1}$}
3287 \def\Coordz#1{$z_{#1}$}
3288 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
3289 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
3290 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
3291 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
3292 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
3293 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
3294 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
3295 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
3296 \def\coordx#1{($x_{#1}$)}
3297 \def\coordy#1{($y_{#1}$)}
3298 \def\coordz#1{($z_{#1}$)}
3299 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
3300 \def\ciiiiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
3301
3302 \newsavebox{\boxdef}
3303 \newenvironment{BDef}
3304 {\begin{lrbox}\boxdef
3305 \def\arraystretch{1.0}
3306 \begin{tabular}{@{}l@{}l@{}l@{}}
3307 }
3308 {\end{tabular}\end{lrbox}}
3309
3310 {\BCmd\fbox{\usebox\boxdef}\endBCmd}
3311 \aftergroup\@afterindentfalse\aftergroup\@afterheading

```



```

3312 }
3313
3314 \newenvironment{BDef*}
3315   {\begin{lrbox}\boxdef
3316     \def\arraystretch{1.0}
3317     \begin{tabular}{@{}l@{}l@{}l@{}}
3318   }
3319   {\end{tabular}\end{lrbox}
3320   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
3321   \aftergroup\@afterindentfalse\aftergroup\@afterheading
3322 }
3323 \newenvironment{BCmd*}{
3324   \@beginparpenalty-\@lowpenalty
3325   \topsep\BDefaboveskip
3326   \fboxsep3pt
3327   \flushleft}
3328 {\@endparpenalty\@M
3329   \@topsepadd\BDefbelowskip
3330   \endflushleft}
3331
3332 \newenvironment{BCmd*}{
3333   \@beginparpenalty\@M
3334   \topsep\BDefinlineskip
3335   \fboxsep3pt
3336   \flushleft}
3337 {\@endparpenalty5000
3338   \endflushleft}
3339
3340 \newskip\BDefaboveskip
3341 \newskip\BDefbelowskip
3342 \newskip\BDefinlineskip
3343 \setlength\BDefaboveskip{10pt plus 4pt}
3344 \setlength\BDefbelowskip{6pt}
3345 \setlength\BDefinlineskip{6pt}
3346
3347 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
3348 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
3349 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
3350 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

32 File bidiftnxtra.sty

```

3351 \NeedsTeXFormat{LaTeX2e}
3352 \ProvidesPackage{bidiftnxtra}
3353 \newtoks\bidip@ftn
3354 \let\FN@sffootnote\footnote
3355 \let\FN@sff@LTRfootnote\LTRfootnote
3356 \let\FN@sff@RTLfootnote\RTLfootnote
3357 \def\footnote{\ifx\protect\@typeset@protect
3358   \expandafter\FN@sff@footnote
3359   \else
3360     \expandafter\FN@sff@gobble@opt
3361   \fi
3362 }

```



```

3363 \def\LTRfootnote{\ifx\protect\@typeset@protect
3364     \expandafter\FN@sfi@LTRfootnote
3365     \else
3366     \expandafter\FN@sfi@gobble@opt
3367     \fi
3368 }
3369 \def\RTLfootnote{\ifx\protect\@typeset@protect
3370     \expandafter\FN@sfi@RTLfootnote
3371     \else
3372     \expandafter\FN@sfi@gobble@opt
3373     \fi
3374 }
3375 \edef\FN@sfi@gobble@opt{\noexpand\protect
3376     \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
3377 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
3378     \ifnextchar[%]
3379         \FN@sfi@gobble@twobrace
3380         \gobble
3381     }
3382 \def\FN@sfi@gobble@twobrace[#1]#2{}
3383 \let\FN@sfi@footnotemark\footnotemark
3384 \def\footnotemark{\ifx\protect\@typeset@protect
3385     \expandafter\FN@sfi@footnotemark
3386     \else
3387     \expandafter\FN@sfi@gobble@optonly
3388     \fi
3389 }
3390 \edef\FN@sfi@gobble@optonly{\noexpand\protect
3391     \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
3392 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
3393     \ifnextchar[%]
3394         \FN@sfi@gobble@brace
3395         {}%
3396     }
3397 \def\FN@sfi@gobble@brace[#1]{}
3398 \def\@tabular{%
3399     \leavevmode \hbox \bgroup
3400     \let\@footnotetext\@bidi@p@ftntext
3401     \let\@LTRfootnotetext\@bidi@p@LTRftntext
3402     \let\@RTLfootnotetext\@bidi@p@RTLftntext
3403     \let\@xfootnotenext\@bidi@p@xftntext
3404     \let\@xfootnote\@bidi@p@xfootnote
3405     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
3406     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
3407     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
3408     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
3409     \if@RTLtab\beginR \fi
3410     $\let\@acol\@tabacol
3411     \let\@classz\@tabclassz
3412     \let\@classiv\@tabclassiv \let\\\@tabulacr\@tabarray}
3413 \def\endtabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
3414     \egroup $\if@RTLtab\endR\fi\egroup
3415     \ifx\@cuptype\@undefined
3416     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}

```



```

3417 \long\def\bidip@ftntext#1{%
3418   \edef\@tempy{\the\bidip@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
3419   \global\bidip@ftn\expandafter{\@tempy{#1}}}%
3420 \long\def\bidip@LTRftntext#1{%
3421   \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
3422   \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
3423 \long\def\bidip@RTLftntext#1{%
3424   \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
3425   \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
3426
3427
3428 \long\def\bidip@xftntext[#1]#2{%
3429   \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
3430
3431 \long\def\bidip@xLTRftntext[#1]#2{%
3432   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
3433
3434 \long\def\bidip@xRTLftntext[#1]#2{%
3435   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
3436
3437
3438 \def\bidip@xfootnote[#1]{%
3439   \begingroup
3440     \csname c@\@mpfn\endcsname #1\relax
3441     \unrestored@protected@xdef\@thefnmark{\thempfn}%
3442   \endgroup
3443   \@footnotemark\bidip@xftntext[#1]}
3444
3445
3446 \def\bidip@xLTRfootnote[#1]{%
3447   \begingroup
3448     \csname c@\@mpfn\endcsname #1\relax
3449     \unrestored@protected@xdef\@thefnmark{\thempfn}%
3450   \endgroup
3451   \@footnotemark\bidip@xLTRftntext[#1]}
3452
3453
3454 \def\bidip@xRTLfootnote[#1]{%
3455   \begingroup
3456     \csname c@\@mpfn\endcsname #1\relax
3457     \unrestored@protected@xdef\@thefnmark{\thempfn}%
3458   \endgroup
3459   \@footnotemark\bidip@xRTLftntext[#1]}
3460
3461 \def\@xfloat #1[#2]{%
3462   \@nodocument
3463   \def \@captype {#1}%
3464   \def \@fps {#2}%
3465   \@onelevel@sanitize \@fps
3466   \def \reserved@b {!}%
3467   \ifx \reserved@b \@fps
3468     \@fpsadddefault
3469   \else
3470     \ifx \@fps \@empty

```



```

3471     \@fpsadddefault
3472     \fi
3473   \fi
3474   \ifhmode
3475     \@bsphack
3476     \@floatpenalty -\@Mii
3477   \else
3478     \@floatpenalty-\@Miii
3479   \fi
3480 \ifinner
3481   \@parmoderr\@floatpenalty\z@
3482 \else
3483   \@next\@currbox\@freelist
3484   {%
3485     \@tempcnta \sixt@@n
3486     \expandafter \@tfor \expandafter \reserved@a
3487       \expandafter :\expandafter =\@fps
3488     \do
3489     {%
3490       \if \reserved@a h%
3491         \ifodd \@tempcnta
3492         \else
3493           \advance \@tempcnta \@ne
3494         \fi
3495       \fi
3496       \if \reserved@a t%
3497         \@setfpsbit \tw@
3498       \fi
3499       \if \reserved@a b%
3500         \@setfpsbit 4%
3501       \fi
3502       \if \reserved@a p%
3503         \@setfpsbit 8%
3504       \fi
3505       \if \reserved@a !%
3506         \ifnum \@tempcnta>15
3507           \advance\@tempcnta -\sixt@@n\relax
3508         \fi
3509       \fi
3510     }%
3511     \@tempcntb \csname ftype@\@capttype \endcsname
3512     \multiply \@tempcntb \@xxxii
3513     \advance \@tempcnta \@tempcntb
3514     \global \count\@currbox \@tempcnta
3515   }%
3516   \@fltovf
3517 \fi
3518 \global \setbox\@currbox
3519   \color@vbox
3520   \normalcolor
3521   \vbox \bgroup
3522     \let\@footnotetext\@bidi@p@ftntext
3523     \let\@LTRfootnotetext\@bidi@p@LTRftntext
3524     \let\@RTLfootnotetext\@bidi@p@RTLftntext

```



```

3525 \let\@xfootnotenext\@xftntext
3526 \let\@xfootnote\@xfootnote
3527 \let\@xLTRfootnotenext\@xLTRftntext
3528 \let\@xLTRfootnote\@xLTRfootnote
3529 \let\@xRTLfootnotenext\@xRTLftntext
3530 \let\@xRTLfootnote\@xRTLfootnote
3531 \hsize\columnwidth
3532 \@parboxrestore
3533 \@floatboxreset
3534 }
3535 \def \@endfloatbox{%
3536 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
3537 \@minipagefalse
3538 \outer@nobreak
3539 \egroup %% end of vbox
3540 \global\@xftn\expandafter\expandafter\the\@xftn
3541 \color@endbox
3542 }

```

33 File bidimoderncv.cls

```

3543 \NeedsTeXFormat{LaTeX2e}
3544 \ProvidesClass{bidimoderncv}
3545 \newif\if@DEBUG\@DEBUGfalse
3546 \DeclareOption{a4paper}{
3547 \setlength\paperheight{297mm}
3548 \setlength\paperwidth{210mm}}
3549 \DeclareOption{a5paper}{
3550 \setlength\paperheight{210mm}
3551 \setlength\paperwidth{148mm}}
3552 \DeclareOption{b5paper}{
3553 \setlength\paperheight{250mm}
3554 \setlength\paperwidth{176mm}}
3555 \DeclareOption{letterpaper}{
3556 \setlength\paperheight{11in}
3557 \setlength\paperwidth{8.5in}}
3558 \DeclareOption{legalpaper}{
3559 \setlength\paperheight{14in}
3560 \setlength\paperwidth{8.5in}}
3561 \DeclareOption{executivepaper}{
3562 \setlength\paperheight{10.5in}
3563 \setlength\paperwidth{7.25in}}
3564 \DeclareOption{landscape}{
3565 \setlength\@tempdima{\paperheight}
3566 \setlength\paperheight{\paperwidth}
3567 \setlength\paperwidth{\@tempdima}}
3568 \newcommand\@ptsize{}
3569 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
3570 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
3571 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
3572 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
3573 \DeclareOption{final}{\setlength\overfullrule{0pt}}
3574 \newif\if@colour\@colourtrue
3575 \DeclareOption{nocolour}{\@colourfalse}

```




```

3576 \ExecuteOptions{a4paper,11pt,colour,final}
3577 \ProcessOptions\relax
3578 \input{size1\@ptsize.clo}
3579 \RequirePackage{color}
3580 \RequirePackage{graphicx}
3581 \RequirePackage{ifthen}
3582 \RequirePackage{marvosym}
3583 \addtolength{\oddsidemargin}{-54pt}
3584 \addtolength{\textwidth}{109pt}
3585 \addtolength{\topmargin}{-70pt}
3586 \addtolength{\textheight}{122pt}
3587 \addtolength{\marginparsep}{-5pt}
3588 \addtolength{\marginparwidth}{-10pt}
3589 \RequirePackage{url}
3590 \RequirePackage{hyperref}
3591 \hypersetup{%
3592   breaklinks,
3593   baseurl      = http://,%
3594   pdfborder    = 0 0 0,%
3595   pdfpagemode  = UseNone,%
3596   pdfstartpage = 1}
3597 \AtEndOfClass{%
3598   \AtBeginDocument{%
3599     \hypersetup{%
3600       pdfauthor      = \@firstname~\@familyname,%
3601       pdftitle       = \@title,%
3602       pdfsubject     = \@firstname~\@familyname,%
3603       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
3604 \urlstyle{tt}
3605 \RequirePackage{fancyhdr}
3606 \fancypagestyle{plain}{%
3607   \renewcommand{\headrulewidth}{0pt}
3608   \renewcommand{\footrulewidth}{0pt}
3609   \fancyhf{}}
3610 \pagestyle{plain}
3611 \setlength\lineskip{1\p@}
3612 \setlength\normallineskip{1\p@}
3613 \renewcommand\baselinestretch{}
3614 \setlength{\parindent}{0pt}
3615 \setlength{\parskip}{0pt}
3616 \setlength\columnsep{10\p@}
3617 \setlength\columnseprule{0\p@}
3618 \pagestyle{empty}
3619 \pagenumbering{arabic}
3620 \raggedbottom
3621 \onecolumn
3622 \providecommand*\listitemsymbol{\textbullet}
3623 \providecommand*\addresssymbol{}
3624 \providecommand*\mobilesymbol{\Mobilefone}
3625 \providecommand*\phonesymbol{\Telefon}
3626 \providecommand*\faxsymbol{\FAX}
3627 \providecommand*\emailsymbol{\Letter}
3628 \definecolor{firstnamecolor}{rgb}{0,0,0}
3629 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}

```



```

3630 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
3631 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
3632 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
3633 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
3634 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
3635 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
3636 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
3637 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
3638 \providecommand*\{firstfont}{\font}
3639 \providecommand*\{familyfont}{\font}
3640 \providecommand*\{titlefont}{\font}
3641 \providecommand*\{addressfont}{\font}
3642 \providecommand*\{quoteft}{\font}
3643 \providecommand*\{sectionfont}{\font}
3644 \providecommand*\{subsectionfont}{\font}
3645 \providecommand*\{hintfont}{\font}
3646 \providecommand*\{firststyle}[1]{\font\@firstfont\@firstcolour#1}
3647 \providecommand*\{familystyle}[1]{\font\@familyfont\@familycolour#1}
3648 \providecommand*\{titlestyle}[1]{\font\@titlefont\@titlecolour#1}
3649 \providecommand*\{addresstyle}[1]{\font\@addressfont\@addresscolour#1}
3650 \providecommand*\{quostyle}[1]{\font\@quoteft\@quotecolour#1}
3651 \providecommand*\{sectionstyle}[1]{\font\@sectionfont\@sectiontitlecolour#1}
3652 \providecommand*\{subsectionstyle}[1]{\font\@subsectionfont\@subsectioncolour#1}
3653 \providecommand*\{hintstyle}[1]{\font\@hintfont\@hintcolour#1}
3654 \newcommand*\{cvtheme}[2]{}
3655 \def\@cvtheme{#2}
3656 \def\@cvthemeoptions{#1}
3657 \cvtheme{bidi-casual}
3658 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
3659 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
3660 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
3661 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
3662 \renewcommand*\{title}[1]{\def\@title{#1}}
3663 \newcommand*\{address}[1]{\def\@address{#1}}
3664 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
3665 \newcommand*\{phone}[1]{\def\@phone{#1}}
3666 \renewcommand*\{fax}[1]{\def\@fax{#1}}
3667 \newcommand*\{email}[1]{\def\@email{#1}}
3668 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
3669 \def\@photowidth{0pt}
3670 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
3671 \newcommand*\{quote}[1]{\def\@quote{#1}}
3672 \newlength{\quotewidth}
3673 \newlength{\hintscolumnwidth}
3674 \newlength{\separatorcolumnwidth}
3675 \setlength{\separatorcolumnwidth}{0.025\textwidth}
3676 \newlength{\maincolumnwidth}
3677 \newlength{\doubleitemmaincolumnwidth}
3678 \newlength{\listitemsymbolwidth}
3679 \settozero{\listitemsymbolwidth}{\listitemsymbol{}}
3680 \newlength{\listitemmaincolumnwidth}
3681 \newlength{\listdoubleitemmaincolumnwidth}
3682 \newcommand*\{recomputethemelengths}{}
3683 \newcommand*\{recomputelengths}{%

```



```

3684 \setlength{\quotewidth}{0.65\textwidth}%
3685 \setlength{\maincolumnwidth}{\textwidth}%
3686 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
3687 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
3688 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
3689 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
3690 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
3691 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
3692 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
3693 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
3694 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
3695 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
3696 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
3697 \renewcommand{\headwidth}{\textwidth}%
3698 \recomputethemelengths
3699 \setlength{\hintscolumnwidth}{0.15\textwidth}
3700 \recomputelengths
3701 \title{}
3702 \renewcommand*{\maketitle}{}
3703 \newcommand*{\section}[1]{%
3704 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
3705 \phantomsection}%
3706 \addcontentsline{toc}{part}{#1}%
3707 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
3708 \hspace{\separatorcolumnwidth}%
3709 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
3710 \newcommand*{\subsection}[1]{%
3711 \cvline[0.45em]{\subsectionstyle{#1}}}%
3712 \newcommand*{\cvline}[3][.25em]{%
3713 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
3714 \bidi@raggedleft\hintfont{#2} &{#3}%
3715 \end{tabular}}\}[#1]}
3716 \newcommand*{\cvdoubleitem}[4]{%
3717 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
3718 \hfill%
3719 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\
3720 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
3721 \cvline[0pt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
3722 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
3723 \cvline[0pt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
3724 \hfill%
3725 \ifthenelse{equal{#3}}{%
3726 {}%
3727 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
3728 \newcommand*{\cventry}[6]{%
3729 \cvline{#1}{%
3730 {\bfseries#2}%
3731 \ifx#3\else{, {\slshape#3}}\fi%
3732 \ifx#4\else{, #4}\fi%
3733 \ifx#5\else{, #5}\fi%
3734 .%
3735 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
3736 }%
3737 \newcommand*{\cvlanguage}[3]{%

```



```

3738 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#3}\end{minipage}}
3739 \newcommand*{\cvcomputer}[4]{%
3740 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
3741 \newcommand*{\link}[2][{}]{%
3742 \ifthenelse{\equal{#1}{}}{%
3743 {\href{#2}{#2}}%
3744 {\href{#2}{#1}}}
3745 \newcommand*{\httplink}[2][{}]{%
3746 \ifthenelse{\equal{#1}{}}{%
3747 {\href{http://#2}{#2}}%
3748 {\href{http://#2}{#1}}}
3749 \newcommand*{\emailink}[2][{}]{%
3750 \ifthenelse{\equal{#1}{}}{%
3751 {\href{mailto:#2}{#2}}%
3752 {\href{mailto:#2}{#1}}}
3753 \newif\if@displaypagenumbers\@displaypagenumberstrue
3754 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
3755 \AtBeginDocument{%
3756 \if@displaypagenumbers%
3757 \ifundefined{r@lastpage}{\if%
3758 \ifthenelse{\pageref{lastpage} > 1}{%
3759 \fancypagestyle{plain}{%
3760 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{lastpage}}%
3761 \pagestyle{plain}}}%
3762 \AtEndDocument{\label{lastpage}}%
3763 \fi}
3764 \newlength{\bibindent}
3765 \setlength{\bibindent}{1.5em}
3766 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
3767 \newenvironment{thebibliography}[1]{%
3768 {%
3769 \section{\refname}%
3770 \small%
3771 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
3772 \bidi@thebibliography@font@hook%
3773 \begin{list}{\bibliographyitemlabel}%
3774 {%
3775 \setlength{\topsep}{0pt}%
3776 \setlength{\labelwidth}{\hintscolumnwidth}%
3777 \setlength{\labelsep}{\separatorcolumnwidth}%
3778 \leftmargin\labelwidth%
3779 \advance\leftmargin\labelsep%
3780 \@openbib@code%
3781 \usecounter{enumiv}%
3782 \let\p@enumiv\@empty%
3783 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
3784 \sloppy\clubpenalty4000\widowpenalty4000%
3785 }%
3786 {%
3787 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
3788 \end{list}%
3789 }
3790 \newcommand\newblock{\hspace{.11em}\@plus.33em\@minus.07em}
3791 \let\@openbib@code\@empty

```



34 File bidi-perpage.sty

```

3792 \NeedsTeXFormat{LaTeX2e}
3793 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
3794 \newcount\bidi@page@count
3795 \bidi@page@count\@ne
3796 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
3797   \if@bidi@csundef\bidi@stepcounterhook@#2}{%
3798     \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{%
3799   }}%
3800   \if@bidi@csundef\if@bidi@reset@#2@rerun}{%
3801     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
3802   }{%
3803     \if@bidi@csundef\bidi@#2@count}{%
3804       \expandafter\newcount\csname bidi@#2@count\endcsname
3805     }{%
3806       \csname bidi@#2@count\endcsname\z@
3807       \if@bidi@csundef\bidi@previous@page@#2@count}{%
3808         \expandafter\newcount\csname
3809           bidi@previous@page@#2@count\endcsname
3810       }{%
3811         \csname bidi@previous@page@#2@count\endcsname\z@
3812         \if@bidi@csundef\bidi@reset@#2@perpage}{%
3813           \bidi@AfterEndDocumentCheckLabelsRerun{%
3814             \csname if@bidi@reset@#2@rerun\endcsname
3815               \PackageWarningNoLine{bidi-perpage}{%
3816                 Counter `#2' may not have been reset per page.
3817                 Rerun to reset counter `#2' per page%
3818               }%
3819             \fi
3820           }%
3821         }{%
3822           \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
3823             \global\advance\csname bidi@#2@count\endcsname\@ne
3824             \if@filesw
3825               \edef\@tempa{%
3826                 \write\@auxout{%
3827                   \string\bidi@counter@page{#2}%
3828                   {\number\csname bidi@#2@count\endcsname}%
3829                   {\noexpand\number\noexpand\bidi@page@count}%
3830                 }%
3831               }%
3832             \@tempa
3833             \fi
3834             \begingroup\expandafter\expandafter\expandafter\endgroup
3835             \expandafter\ifx\csname bidi@#2@@\number\csname
3836               bidi@#2@count\endcsname\endcsname\relax
3837               \global\csname @bidi@reset@#2@reruntrue\endcsname
3838             \else
3839               \global\csname @bidi@reset@#2@rerunfalse\endcsname
3840               \expandafter\@tempcnta\csname bidi@#2@@\number
3841               \csname bidi@#2@count\endcsname\endcsname\relax
3842               \ifnum\@tempcnta=\csname
3843                 bidi@previous@page@#2@count\endcsname

```



```

3844 \else
3845 \global\csname
3846 bidi@previous@page@@#2@count\endcsname\@tempcnta
3847 \global\csname c@#2\endcsname#1\relax
3848 \fi
3849 \fi
3850 }%
3851 \expandafter\bidi@gappto\csname
3852 bidi@stepcounterhook@@#2\endcsname{%
3853 \csname bidi@reset@#2@perpage\endcsname
3854 }%
3855 }
3856 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
3857 \bidi@AtEndOutputPage{%
3858 \global\advance\bidi@page@count\@ne
3859 }

```

35 File biditools.sty

```

3860 \NeedsTeXFormat{LaTeX2e}
3861 \ProvidesPackage{biditools}[2022/06/06 v2.2 Programming tools for bidi package]
3862 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
3863 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
3864 \ifx\@tempa\@tempb \global\let#2#1%
3865 \else
3866 \edef\@tempb{\meaning#2}%
3867 \ifx\@tempa\@tempb
3868 \else
3869 \latex@error{Unable to properly define \string#2; primitive
3870 \noexpand#1no longer primitive}\@eha
3871 \fi
3872 \fi
3873 \endgroup}
3874 \newtoks\@bidi@envbody
3875 \newtoks\@bidi@emptytoks
3876 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
3877 \def\bidi@collect@body#1{%
3878 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
3879 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
3880 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
3881 \begingroup
3882 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@@body
3883 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
3884 \bidi@process@envbody
3885 }
3886 \def\bidi@push@begins#1\begin#2{%
3887 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
3888 }
3889 \def\bidi@collect@@body#1\end#2{%
3890 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
3891 \ifx\@empty\begin@bidi@stack
3892 \endgroup
3893 \checkend{#2}%
3894 \bidi@addto@envbody{#1}%

```



```

3895 \else
3896 \bidi@addto@envbody{#1\end{#2}}%
3897 \fi
3898 \bidi@process@envbody % A little tricky! Note the grouping
3899 }
3900 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
3901 \long\def\bidi@collect@long@body#1{%
3902 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
3903 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
3904 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
3905 \begingroup
3906 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@long@@body
3907 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
3908 \bidi@process@envbody
3909 }
3910 \long\def\bidi@push@long@begins#1\begin#2{%
3911 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
3912 }
3913 \long\def\bidi@collect@long@@body#1\end#2{%
3914 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
3915 \ifx\@empty\begin@bidi@stack
3916 \endgroup
3917 \@checkend{#2}%
3918 \bidi@addto@long@envbody{#1}%
3919 \else
3920 \bidi@addto@long@envbody{#1\end{#2}}%
3921 \fi
3922 \bidi@process@envbody % A little tricky! Note the grouping
3923 }
3924 \long\def\bidi@new@ifnextchar#1#2#3{%
3925 \let\reserved@d= #1%
3926 \def\reserved@a{#2}\def\reserved@b{#3}%
3927 \futurelet\@let@token\bidi@new@ifnch
3928 }
3929 \def\bidi@new@ifnch{%
3930 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
3931 \reserved@b
3932 }
3933 \def\bidi@matrix@check#1{%
3934 \expandafter\ifx\csname\@currentvir\endcsname#1%
3935 \else\bidi@matrix@error#1%
3936 \expandafter\@gobble
3937 \fi
3938 }
3939 \def\bidi@matrix@error#1{%
3940 \PackageError{biditools}{%
3941 Old form ``\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
3942 }{%
3943 ``\string#1{...}' is old bidi package syntax whose use is
3944 ill-advised in the old versions of bidi package.%
3945 }%
3946 }
3947 \def\@tagsextension{clo}
3948 \def\@definitionfileextension{def}

```



```

3949 \def\@texfileextension{tex}
3950 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
3951 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
3952 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
3953 \def\eqnewif#1#2{%
3954   \count@\escapechar \escapechar\m@ne
3955   \let#1\iffalse
3956   \let#2\iffalse
3957   \eq@if#1#2\iftrue
3958   \eq@if#1#2\iffalse
3959   \escapechar\count@}
3960 \def\eq@if#1#2#3{%
3961   \expandafter\def\csname\expandafter@gobbletwo\string#1%
3962     \expandafter@gobbletwo\string#3\endcsname
3963     {\let#1#3%
3964      \let#2#3}%
3965   \expandafter\def\csname\expandafter@gobbletwo\string#2%
3966     \expandafter@gobbletwo\string#3\endcsname
3967     {\let#2#3%
3968      \let#1#3}}
3969 \newcommand*\SetBoolean}[2]{%
3970   \lowercase{\def\@tempa{#2}}%
3971   \@ifundefined{@tempwa\@tempa}%
3972     {\PackageError{biditools}%
3973      {You can only set a boolean to `true' or `false'}\@ehc}%
3974   {\@ifundefined{#1\@tempa}%
3975     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
3976     {\csname#1\@tempa\endcsname}}}
3977 \newcommand*\GlobalSetBoolean}[2]{%
3978   \lowercase{\def\@tempa{#2}}%
3979   \@ifundefined{@tempwa\@tempa}%
3980     {\PackageError{biditools}%
3981      {You can only set a boolean to `true' or `false'}\@ehc}%
3982     {\@ifundefined{#1\@tempa}%
3983       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
3984       {\global\csname#1\@tempa\endcsname}}}
3985 \newcommand*\SetatBoolean}[2]{%
3986   \lowercase{\def\@tempa{#2}}%
3987   \@ifundefined{@tempwa\@tempa}%
3988     {\PackageError{biditools}%
3989      {You can only set a boolean to `true' or `false'}\@ehc}%
3990     {\@ifundefined{@#1\@tempa}%
3991       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
3992       {\csname @#1\@tempa\endcsname}}}
3993 \newcommand*\GlobalSetatBoolean}[2]{%
3994   \lowercase{\def\@tempa{#2}}%
3995   \@ifundefined{@tempwa\@tempa}%
3996     {\PackageError{biditools}%
3997      {You can only set a boolean to `true' or `false'}\@ehc}%
3998     {\@ifundefined{@#1\@tempa}%
3999       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
4000       {\global\csname @#1\@tempa\endcsname}}}
4001 \def\@bidi@removefromreset#1#2{%
4002   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset

```




```

4003 \def\@elt##1{%
4004   \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
4005   \else
4006     \noexpand\@elt{##1}%
4007   \fi}%
4008 \expandafter\xdef\csname cl@#2\endcsname{%
4009   \csname cl@#2\endcsname}}
4010 \newcommand*{\ifRtoL}{%
4011   \if@RTL
4012     \expandafter\@firstoftwo
4013   \else
4014     \expandafter\@secondoftwo
4015   \fi}
4016 \newcommand*{\ifLtoR}{%
4017   \if@RTL
4018     \expandafter\@secondoftwo
4019   \else
4020     \expandafter\@firstoftwo
4021   \fi}
4022 \newcommand*{\ifRtoLtable}{%
4023   \if@RTLtab
4024     \expandafter\@firstoftwo
4025   \else
4026     \expandafter\@secondoftwo
4027   \fi}
4028 \newcommand*{\ifLtoRtable}{%
4029   \if@RTLtab
4030     \expandafter\@secondoftwo
4031   \else
4032     \expandafter\@firstoftwo
4033   \fi}
4034 \newcommand*{\ifRtoLhboxconstruct}{%
4035   \if@hboxRconstruct
4036     \expandafter\@firstoftwo
4037   \else
4038     \expandafter\@secondoftwo
4039   \fi}
4040 \newcommand*{\ifLtoRhboxconstruct}{%
4041   \if@hboxRconstruct
4042     \expandafter\@secondoftwo
4043   \else
4044     \expandafter\@firstoftwo
4045   \fi}
4046 \newcommand*{\iflatin}{%
4047   \if@nonlatin
4048     \expandafter\@secondoftwo
4049   \else
4050     \expandafter\@firstoftwo
4051   \fi}
4052 \newcommand*{\ifnonlatin}{%
4053   \if@nonlatin
4054     \expandafter\@firstoftwo
4055   \else
4056     \expandafter\@secondoftwo

```



```

4057 \fi}
4058
4059 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
4060 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
4061
4062 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
4063 \dimexpr #1*65536/\dimexpr 1pt\relax}
4064
4065 \newcommand*{\if@bidi@csdef}[1]{%
4066 \ifcsname#1\endcsname
4067 \expandafter\@firstoftwo
4068 \else
4069 \expandafter\@secondoftwo
4070 \fi}
4071 \newcommand*{\if@bidi@csundef}[1]{%
4072 \ifcsname#1\endcsname
4073 \expandafter\ifx\csname#1\endcsname\relax
4074 \expandafter\expandafter
4075 \expandafter\@firstoftwo
4076 \else
4077 \expandafter\expandafter
4078 \expandafter\@secondoftwo
4079 \fi
4080 \else
4081 \expandafter\@firstoftwo
4082 \fi}
4083 \newcommand{\if@bidi@def}[1]{%
4084 \ifdefined#1%
4085 \expandafter\@firstoftwo
4086 \else
4087 \expandafter\@secondoftwo
4088 \fi}
4089 \newcommand{\if@bidi@undef}[1]{%
4090 \ifdefined#1%
4091 \ifx#1\relax
4092 \expandafter\expandafter
4093 \expandafter\@firstoftwo
4094 \else
4095 \expandafter\expandafter
4096 \expandafter\@secondoftwo
4097 \fi
4098 \else
4099 \expandafter\@firstoftwo
4100 \fi}
4101 \newcommand{\if@bidi@blank}[1]{% from url.sty
4102 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
4103 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
4104 \newcommand{\bidi@notblank}[1]{%
4105 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
4106 \newcommand{\if@bidi@defmacro}{%
4107 \long\edef\if@bidi@defmacro#1{%
4108 \noexpand\expandafter\noexpand\bidi@ifdefmacro
4109 \noexpand\meaning#1\detokenize{macro}:&}
4110 \edef\bidi@ifdefmacro{%

```



```

4111 \def\noexpand\bididefmacro##1\detokenize{macro}:##2&
4112 \bididefmacro{\bidinotblank{#2}}
4113 \newcommand*{\if@bidi@csmacro}[1]{%
4114   \if@bidi@csdef{#1}
4115     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
4116     {\@secondoftwo}}
4117 \newcommand{\if@bidi@defprimitive}[1]{%
4118   \ifprimitive#1%
4119     \expandafter\@firstoftwo
4120   \else
4121     \expandafter\@secondoftwo
4122   \fi}
4123 \newcommand{\if@bidi@csprimitive}[1]{%
4124   \begingroup\expandafter\expandafter\expandafter\endgroup%
4125   \expandafter\ifprimitive\csname#1\endcsname%
4126   \expandafter\@firstoftwo
4127   \else
4128     \expandafter\@secondoftwo
4129   \fi}
4130 \newcommand*{\@bidi@csdefcs}[2]{%
4131   \expandafter\@ifdefinable \csname#1\endcsname{%
4132     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
4133   \newcommand*{\@bidi@csletcs}[2]{%
4134     \expandafter\@ifdefinable \csname#1\endcsname{%
4135       \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
4136   \newcommand*{\@bidi@cslet}[2]{%
4137     \expandafter\@ifdefinable \csname#1\endcsname{%
4138       \expandafter\let\csname#1\endcsname#2}}
4139   \newcommand{\@bidi@namelongdef}[1]{%
4140     \long\expandafter\def\csname #1\endcsname}
4141   \newcommand{\@bidi@namelonggdef}[1]{%
4142     \long\expandafter\gdef\csname #1\endcsname}
4143   \newcommand{\@bidi@namelongedef}[1]{%
4144     \long\expandafter\edef\csname #1\endcsname}
4145   \newcommand{\@bidi@namelongxdef}[1]{%
4146     \long\expandafter\xdef\csname #1\endcsname}
4147   \def\@bidi@ensure@newcommand{\@star@or@long\@bidi@ensure@new@command}
4148   \def\@bidi@ensure@new@command#1{%
4149     \begingroup \escapechar\m@ne\xdef\@gtempa{\@string#1}\endgroup
4150     \expandafter\if@bidi@csundef\@gtempa
4151       {\@new@command#1}{\relax%
4152       \let\@ifdefinable\@rc@ifdefinable%
4153       \new@command#1}}
4154   \def\@bidi@ensure@newlength#1{\if@bidi@undef#1{\@newskip#1}{}}
4155
4156 \protected\def\@bidi@error{\PackageError{bidi}}
4157 \protected\def\@bidi@warning{\PackageWarning{bidi}}
4158 \protected\def\@bidi@info{\PackageInfo{bidi}}
4159
4160 \def\@bidi@pos#1#2#3#4{\@bidi@namegdef{bidi@#1pos@#2@#3}{#4}}
4161
4162 \newcount\@bidi@poscount
4163
4164 \newcommand*{\WriteStartXPostoaux}{%

```



```

4165 \global\advance\bidiposcount\@ne
4166 \edef\@tempa{%
4167     \write\@auxout{%
4168         \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4169     }%
4170 }%
4171 \ifvmode
4172     \leavevmode
4173 \fi
4174 \if@RTL
4175     \if@filesw
4176         \@tempa
4177     \fi
4178 \pdfsavepos
4179 \else
4180 \pdfsavepos
4181 \if@filesw
4182     \@tempa
4183 \fi
4184 \fi
4185 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
4186     \PackageWarningNoLine{biditools}{%
4187         The start x position ``\number\bidiposcount' is not known yet.
4188         Rerun to get this x position%
4189     }%
4190 }{}%
4191 }
4192
4193 \newcommand*{\WriteEndXPostoaux}{%
4194     \edef\@tempa{%
4195         \write\@auxout{%
4196             \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4197         }%
4198     }%
4199 \if@RTL
4200     \if@filesw
4201         \@tempa
4202     \fi
4203 \pdfsavepos
4204 \else
4205 \pdfsavepos
4206 \if@filesw
4207     \@tempa
4208 \fi
4209 \fi
4210 \if@bidi@csundef{bidi@xpos@@end@\number\bidiposcount}{%
4211     \PackageWarningNoLine{biditools}{%
4212         The end x position ``\number\bidiposcount' is not known yet.
4213         Rerun to get this x position%
4214     }%
4215 }{}%
4216 }
4217
4218 \newcommand*{\WriteStartYPostoaux}{%

```



```

4219 \global\advance\bidiposcount\@ne
4220 \edef\@tempa{%
4221     \write\@auxout{%
4222         \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
4223     }%
4224 }%
4225 \ifvmode
4226     \leavevmode
4227 \fi
4228 \if@RTL
4229     \if@filesw
4230         \@tempa
4231 \fi
4232 \pdfsavepos
4233 \else
4234 \pdfsavepos
4235 \if@filesw
4236     \@tempa
4237 \fi
4238 \fi
4239 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
4240     \PackageWarningNoLine{biditools}{%
4241         The start y position ``\number\bidiposcount' is not known yet.
4242         Rerun to get this y position%
4243     }%
4244 }{}%
4245 }
4246
4247 \newcommand*{\WriteEndYPostoaux}{%
4248     \edef\@tempa{%
4249         \write\@auxout{%
4250             \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
4251         }%
4252     }%
4253 \if@RTL
4254     \if@filesw
4255         \@tempa
4256 \fi
4257 \pdfsavepos
4258 \else
4259 \pdfsavepos
4260 \if@filesw
4261     \@tempa
4262 \fi
4263 \fi
4264 \if@bidi@csundef{bidi@ypos@@end@\number\bidiposcount}{%
4265     \PackageWarningNoLine{biditools}{%
4266         The end y position ``\number\bidiposcount' is not known yet.
4267         Rerun to get this y position%
4268     }%
4269 }{}%
4270 }
4271
4272 \newcommand*{\WriteStartXYPostoaux}{%

```



```

4273 \global\advance\bidiposcount\@ne
4274 \edef\@tempa{%
4275   \write\@auxout{%
4276     \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4277   }%
4278   \write\@auxout{%
4279     \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
4280   }%
4281 }%
4282 \ifvmode
4283 \leavevmode
4284 \fi
4285 \if@RTL
4286   \if@filesw
4287     \@tempa
4288   \fi
4289 \pdfsavepos
4290 \else
4291 \pdfsavepos
4292 \if@filesw
4293   \@tempa
4294 \fi
4295 \fi
4296 \if@bidi@csundef{bidi@xpos@@start@\number\bidiposcount}{%
4297   \PackageWarningNoLine{biditools}{%
4298     The start x position ``\number\bidiposcount' is not known yet.
4299     Rerun to get this x position%
4300   }%
4301 }{}%
4302 \if@bidi@csundef{bidi@ypos@@start@\number\bidiposcount}{%
4303   \PackageWarningNoLine{biditools}{%
4304     The start y position ``\number\bidiposcount' is not known yet.
4305     Rerun to get this y position%
4306   }%
4307 }{}%
4308 }
4309
4310 \newcommand*{\WriteEndXYPostoaux}{%
4311   \edef\@tempa{%
4312     \write\@auxout{%
4313       \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastx
4314     }%
4315     \write\@auxout{%
4316       \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflasty
4317     }%
4318   }%
4319 \if@RTL
4320   \if@filesw
4321     \@tempa
4322   \fi
4323 \pdfsavepos
4324 \else
4325 \pdfsavepos
4326 \if@filesw

```



```

4327 \tempa
4328 \fi
4329 \fi
4330 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
4331 \PackageWarningNoLine{biditools}{%
4332 The end x position ` \number\bidi@poscount' is not known yet.
4333 Rerun to get this x position%
4334 }%
4335 }{}%
4336 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
4337 \PackageWarningNoLine{biditools}{%
4338 The end y position ` \number\bidi@poscount' is not known yet.
4339 Rerun to get this y position%
4340 }%
4341 }{}%
4342 }
4343
4344 \newcommand*{\currentposxwidth}{%
4345 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
4346 {%
4347 \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
4348 \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
4349 \endcsname
4350 \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
4351 \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
4352 \endcsname sp\relax
4353 }else
4354 \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
4355 \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
4356 \endcsname sp\relax
4357 \fi
4358 }%
4359 }
4360
4361 \newcommand*{\currentposyheight}{%
4362 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
4363 {%
4364 \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
4365 \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
4366 \endcsname sp\relax
4367 }%
4368 }
4369
4370
4371
4372 \newcommand*{\setbaselineskip}[1]{%
4373 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
4374 \selectfont
4375 }
4376
4377
4378 \newcommand*{\bidi@newrobustcmd}{}
4379 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
4380

```



```

4381 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
4382
4383 \def\bidi@newcommand#1[#2]{%
4384   \@ifnextchar[%
4385     {\bidi@xargdef#1[#2]}
4386     {\ifx\l@ngrel@x\relax
4387       \let\l@ngrel@x\protected
4388       \else
4389         \protected\def\l@ngrel@x{\protected\long}%
4390       \fi
4391       \@argdef#1[#2]}}
4392
4393 \long\def\bidi@xargdef#1[#2][#3]#4{%
4394   \@ifdefinable#1{%
4395     \expandafter\protected
4396     \expandafter\def
4397     \expandafter#1%
4398     \expandafter{%
4399       \expandafter\@testopt
4400       \csname\string#1\endcsname{#3}}}%
4401   \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
4402
4403 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
4404
4405 \def\bidi@renew@command#1{%
4406   \if@bidi@undef{#1}
4407     {\bidi@error{\string#1 undefined}\@ehc}
4408     {}%
4409   \let\@ifdefinable\@rc@ifdefinable
4410   \bidi@new@command#1}
4411
4412
4413
4414 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
4415
4416 \def\bidi@provide@command#1{%
4417   \if@bidi@undef{#1}
4418     {\def\reserved@a{\bidi@new@command#1}}
4419     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
4420   \reserved@a}
4421
4422 \newcommand*{\bidi@csuse}[1]{%
4423   \ifcsname#1\endcsname
4424     \csname#1\endcsname\expandafter\endcsname
4425   \fi}
4426
4427 \newcommand{\bidi@expandonce}[1]{%
4428   \unexpanded\expandafter{#1}}
4429
4430 \def\bidi@protected{%
4431   \let\@@protect\protect
4432   \let\protect\@unexpandable@protect
4433   \afterassignment\restore@protect}
4434

```




```

4435 \bidi@newrobustcmd{\bidi@appto}[2]{%
4436   \if@bidi@undef{#1}
4437     {\edef#1{\unexpanded{#2}}}
4438     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
4439 \bidi@newrobustcmd{\bidi@eappto}[2]{%
4440   \if@bidi@undef{#1}
4441     {\edef#1{#2}}
4442     {\edef#1{\bidi@expandonce#1#2}}}
4443 \bidi@newrobustcmd{\bidi@gappto}[2]{%
4444   \if@bidi@undef{#1}
4445     {\xdef#1{\unexpanded{#2}}}
4446     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
4447 \bidi@newrobustcmd{\bidi@xappto}[2]{%
4448   \if@bidi@undef{#1}
4449     {\xdef#1{#2}}
4450     {\xdef#1{\bidi@expandonce#1#2}}}
4451
4452 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
4453 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
4454
4455
4456
4457 \bidi@newrobustcmd{\bidi@preto}[2]{%
4458   \if@bidi@undef{#1}
4459     {\edef#1{\unexpanded{#2}}}
4460     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
4461 \bidi@newrobustcmd{\bidi@epreto}[2]{%
4462   \if@bidi@undef{#1}
4463     {\edef#1{#2}}
4464     {\edef#1{#2\bidi@expandonce#1}}}
4465 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
4466   \if@bidi@undef{#1}
4467     {\xdef#1{\unexpanded{#2}}}
4468     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
4469 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
4470   \if@bidi@undef{#1}
4471     {\xdef#1{#2}}
4472     {\xdef#1{#2\bidi@expandonce#1}}}
4473
4474 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
4475 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
4476
4477
4478
4479 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
4480 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
4481 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
4482 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
4483 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
4484 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
4485
4486
4487
4488 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}

```



```

4489 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
4490 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
4491 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
4492 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
4493 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
4494
4495
4496
4497 \bidi@newrobustcmd{\ifbidi@patchable}{%
4498   \bidi@dbg@trce\ifbidi@patchable
4499   \beginingroup
4500   \@makeother\%#%
4501   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
4502
4503 \long\def\bidi@ifpatchable#1#2{%
4504   \endgroup
4505   \bidi@dbg@init#1%
4506   \ifbidi@undef{#1}
4507     {\bidi@dbg@fail{def}\@secondoftwo}
4508     {\bidi@dbg@info{def}%
4509       \ifbidi@defmacro{#1}
4510         {\bidi@dbg@info{mac}%
4511           \bidi@ifscanable{#1}
4512             {\bidi@ifhashcheck{#2}
4513               {\bidi@dbg@info{tok}%
4514                 \bidi@ifpattern#1{#2}
4515                   {\bidi@dbg@info{pat}%
4516                     \bidi@dbg@info{pos}\@firstoftwo}
4517                   {\bidi@dbg@fail{pat}\@secondoftwo}}
4518                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
4519                 {\bidi@dbg@fail{tok}\@secondoftwo}}
4520                 {\bidi@dbg@fail{mac}\@secondoftwo}}}
4521
4522 \long\def\bidi@ifpatchable@i#1{%
4523   \endgroup
4524   \bidi@dbg@init#1%
4525   \ifbidi@undef{#1}
4526     {\bidi@dbg@fail{def}\@secondoftwo}
4527     {\bidi@dbg@info{def}%
4528       \ifbidi@defmacro{#1}
4529         {\bidi@dbg@info{mac}%
4530           \ifbidi@defparam{#1}
4531             {\bidi@dbg@info{prm}%
4532               \bidi@ifscanable{#1}
4533                 {\bidi@dbg@info{tok}%
4534                   \bidi@dbg@info{pos}\@firstoftwo}
4535                 {\bidi@dbg@fail{tok}\@secondoftwo}}
4536               {\bidi@dbg@info{prl}%
4537                 \ifbidi@defprotected{#1}
4538                   {\bidi@dbg@info{pro}}
4539                   {}%
4540                 \bidi@dbg@info{pos}\@firstoftwo}}
4541             {\bidi@dbg@fail{mac}\@secondoftwo}}}
4542

```



```

4543 \bidi@newrobustcmd*{\bidi@patchcmd}{%
4544 \bidi@dbg@trce\bidi@patchcmd
4545 \beginingroup
4546 \@makeother\#%
4547 \bidi@@patchcmd}
4548
4549 \newcommand{\bidi@@patchcmd}[4][#####1]{%
4550 \bidi@ifpatchable#2{#3}
4551 {\bidi@dbg@succ{ret}}%
4552 \beginingroup
4553 \edef\bidi@resrvda{%
4554 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
4555 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
4556 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
4557 ####1\detokenize{#4}####2}%
4558 \edef\noexpand\bidi@resrvda{%
4559 \noexpand\bidi@resrvda\meaning#2&}}%
4560 \bidi@resrvda
4561 \bidi@patchcmd@scantoks\bidi@resrvda
4562 \let#2\bidi@resrvda
4563 \bidi@undef\bidi@resrvda
4564 \@firstoftwo}
4565 {\@secondoftwo}}
4566
4567 \def\bidi@patchcmd@scantoks#1{%
4568 \edef\bidi@resrvda{\endgroup
4569 \unexpanded{\makeatletter\scantokens}{#1}%
4570 \catcode\number`\@=\the\catcode`\@ \relax}%
4571 \bidi@resrvda}
4572
4573 \newcommand\bidi@isloaded[2][]{
4574 \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
4575 \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
4576 \fi
4577 \@ifpackageloaded{#2}
4578 {\csname @bidi@#2loaded@true \endcsname #1}
4579 {\csname @bidi@#2loaded@false \endcsname}}
4580
4581 \protected\def\bidi@ifscanable#1{%
4582 \beginingroup
4583 \edef\bidi@resrvda{%
4584 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
4585 ####1\def\string\bidi@resrvda####2{####3}}%
4586 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
4587 \bidi@resrvda
4588 \makeatletter
4589 \scantokens\expandafter{\bidi@resrvda}%
4590 \expandafter\endgroup\ifx#1\bidi@resrvda
4591 \expandafter\@firstoftwo
4592 \else
4593 \expandafter\@secondoftwo
4594 \fi}
4595
4596

```



```

4597 \protected\long\def\bid@ifhashcheck#1{%
4598   \begingroup
4599   \edef\bid@resrvda{\detokenize{#1}}%
4600   \expandafter\endgroup
4601   \expandafter\bid@ifhashcheck@i\meaning\bid@resrvda&}
4602
4603 \edef\bid@ifhashcheck@i#1{%
4604   \noexpand\expandafter
4605   \noexpand\bid@ifhashcheck@ii
4606   \noexpand\strip@prefix#1\string#\string#&}
4607
4608 \edef\bid@ifhashcheck@ii{%
4609   \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&{
4610 \bid@ifhashcheck@ii{\if@bidi@blank{#2}}
4611
4612
4613 \protected\long\def\bid@ifpattern#1#2{%
4614   \begingroup
4615   \edef\bid@resrvda{%
4616     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
4617       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}%
4618     \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
4619       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
4620     \noexpand\bid@resrvda}
4621     \bid@resrvda\@secondoftwo\@firstoftwo}
4622
4623
4624 \newcommand{\if@bidi@defparam}{%
4625 \long\edef\if@bidi@defparam#1{%
4626   \noexpand\expandafter\noexpand\bid@ifdefparam
4627   \noexpand\meaning#1\detokenize{macro}:->&}
4628 \edef\bid@ifdefparam{%
4629   \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&{
4630 \bid@ifdefparam{\bid@notblank{#2}}
4631
4632
4633 \newcommand{\if@bidi@defprotected}{%
4634 \long\edef\if@bidi@defprotected#1{%
4635   \noexpand\expandafter\noexpand\bid@ifdefprotected
4636   \noexpand\meaning#1\string\protected&}
4637 \edef\bid@ifdefprotected{%
4638   \def\noexpand\bid@ifdefprotected##1\string\protected##2&{
4639 \bid@ifdefprotected{\bid@notblank{#2}}
4640
4641
4642 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
4643 \bid@newrobustcmd{\bid@csundef}[1]{%
4644   \expandafter\let\csname #1\endcsname\bid@undefined
4645 }
4646
4647 \let\bid@dbg@trce\@gobble
4648 \let\bid@dbg@init\@gobble
4649 \let\bid@dbg@info\@gobble
4650 \let\bid@dbg@succ\@gobble

```



```

4651 \let\bididbg@fail\@gobble
4652
4653
4654
4655 \bidi@newrobustcmd*{\bidi@apptocmd}{%
4656   \bidi@dbg@trce\bidi@apptocmd
4657   \begingroup
4658   \@makeother\#%
4659   \bidi@hooktocmd\bidi@append}
4660
4661
4662
4663 \bidi@newrobustcmd*{\bidi@pretocmd}{%
4664   \bidi@dbg@trce\bidi@pretocmd
4665   \begingroup
4666   \@makeother\#%
4667   \bidi@hooktocmd\bidi@prepend}
4668
4669 \long\def\bidi@hooktocmd#1#2#3{%
4670   \endgroup
4671   \bidi@dbg@init#2%
4672   \if@bidi@undef{#2}
4673     {\bidi@dbg@fail{def}\@secondoftwo}
4674     {\bidi@dbg@info{def}%
4675       \if@bidi@defmacro{#2}
4676         {\bidi@dbg@info{mac}%
4677           \if@bidi@defparam{#2}
4678             {\bidi@dbg@info{prm}%
4679               \bidi@ifscanable{#2}
4680                 {\bidi@ifhashcheck{#3}
4681                   {\bidi@dbg@info{tok}%
4682                     \bidi@dbg@succ{ret}%
4683                     \bidi@hooktocmd@i#1#2{#3}%
4684                     \@firstoftwo}
4685                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
4686                 {\bidi@dbg@fail{tok}\@secondoftwo}}
4687             {\bidi@dbg@info{prl}%
4688               \if@bidi@defprotected{#2}
4689                 {\bidi@dbg@info{pro}%
4690                   \bidi@dbg@succ{red}%
4691                   \protected}
4692                 {\bidi@dbg@succ{red}}}%
4693             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
4694             \@firstoftwo}}
4695     {\bidi@dbg@fail{mac}\@secondoftwo}}
4696
4697 \long\def\bidi@hooktocmd@i#1#2#3{%
4698   \begingroup
4699   \edef\bidi@resrvda{%
4700     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
4701       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
4702   \edef\noexpand\bidi@resrvda{%
4703     \noexpand\bidi@resrvda\meaning#2&}}%
4704   \bidi@resrvda

```



```

4705 \bidi@patchcmd@scantoks\bidi@resrvda
4706 \let#2\bidi@resrvda
4707 \bidi@undef\bidi@resrvda}
4708
4709 \long\def\bidi@append#1#2{#1#2}
4710 \long\def\bidi@prepend#1#2{#2#1}
4711
4712 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
4713 %\newcommand*{\bidi@endpreamblehook}{\bidi@}
4714
4715 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
4716
4717 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
4718 \newcommand*{\bidi@beforeoutputpageshipouthook}{\bidi@}
4719
4720 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
4721 \newcommand*{\bidi@beforeheaderhook}{\bidi@}
4722
4723 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpage}
4724 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{\bidi@}
4725
4726 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpage}
4727 \newcommand*{\bidi@afteroutputboxoutputpagehook}{\bidi@}
4728
4729 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
4730 \newcommand*{\bidi@beforefooterhook}{\bidi@}
4731
4732 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
4733 \newcommand*{\bidi@afterfooterhook}{\bidi@}
4734
4735
4736 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
4737 \newcommand*{\bidi@afteroutputpageshipouthook}{\bidi@}
4738
4739 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
4740 \newcommand*{\bidi@atendoutputpagehook}{\bidi@}
4741
4742 %\bidi@preto\document{%
4743 % \endgroup
4744 % \let\bidi@AtEndPreamble\@firstofone
4745 % \bidi@endpreamblehook
4746 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
4747 % \bidi@undef\bidi@endpreamblehook
4748 % \begingroup}
4749
4750 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
4751 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
4752
4753 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
4754 %\newcommand*{\bidi@afterendpreamblehook}{\bidi@}
4755
4756 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
4757
4758 %\bidi@appto\document{%

```



```

4759 % \let\bid@AfterEndPreamble\@firstofone
4760 % \bid@afterendpreamblehook
4761 % \protected\def\bid@AfterEndPreamble{\@notprerr\@gobble}%
4762 % \bid@undef\bid@afterendpreamblehook
4763 % \ignorespaces}
4764
4765 \bid@newrobustcmd*{\bid@AfterEndDocumentCheckLabelsRerun}{\bid@gappto\bid@afterenddocumenthook}
4766 \newcommand*{\bid@afterenddocumentchecklabelsrerunhook}{\bid@afterenddocumenthook}
4767
4768 \bid@patchcmd\enddocument
4769 {\fi}
4770 {\let\bid@AfterEndDocumentCheckLabelsRerun\@firstofone
4771 \bid@afterenddocumentchecklabelsrerunhook
4772 \fi}
4773 {}
4774 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
4775
4776 \AtEndDocument{\let\bid@AfterEndPreamble\@gobble}
4777
4778 \bid@newrobustcmd*{\bid@AfterLastShipout}{\bid@gappto\bid@afterlastshipouthook}
4779 \newcommand*{\bid@afterlastshipouthook}{\bid@afterlastshipouthook}
4780
4781 \bid@patchcmd\enddocument
4782 {\clearpage}
4783 {\clearpage
4784 \let\bid@AfterLastShipout\@firstofone
4785 \bid@afterlastshipouthook}
4786 {}
4787 {\let\bid@clearpage\clearpage
4788 \def\clearpage{%
4789 \bid@clearpage
4790 \let\bid@AfterLastShipout\@firstofone
4791 \bid@afterlastshipouthook}}
4792
4793 %\bid@newrobustcmd*{\bid@AfterEndDocument}{\bid@gappto\bid@afterenddocumenthook}
4794 %\newcommand*{\bid@afterenddocumenthook}{\bid@afterenddocumenthook}
4795
4796 \bid@newrobustcmd*{\bid@AfterEndDocument}{\AddToHook{enddocument/end}}%
4797
4798 %\bid@patchcmd\enddocument
4799 % {\deadcycles}
4800 % {\let\bid@AfterEndDocument\@firstofone
4801 % \bid@afterenddocumenthook
4802 % \deadcycles}
4803 % {}
4804 % {\let\bid@@end\@end
4805 % \def\@end{%
4806 % \let\bid@AfterEndDocument\@firstofone
4807 % \bid@afterenddocumenthook
4808 % \bid@@end}}
4809
4810 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
4811 \bid@csgappto{\bid@begin@#1@hook}}
4812

```



```

4813 % Patch \begin<space> and \end<space> in newer LaTeX releases
4814 % \begin and \end in older ones.
4815 \expandafter\bidipatchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
4816 {\csname #1\endcsname}
4817 {\bidicsuse{@bidi@begin@#1@hook}%
4818 \csname #1\endcsname}
4819 {}
4820 {\bidi@warning{%
4821   Patching '\string\begin' failed!\MessageBreak
4822   '\string\bidiatBeginEnvironment' will not work\@gobble}}
4823
4824
4825
4826 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
4827   \bidi@csgappto{@bidi@end@#1@hook}}
4828
4829 \expandafter\bidipatchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
4830 {\csname end#1\endcsname}
4831 {\bidicsuse{@bidi@end@#1@hook}%
4832 \csname end#1\endcsname}
4833 {}
4834 {\bidi@warning{%
4835   Patching '\string\end' failed!\MessageBreak
4836   '\string\bidiatEndEnvironment' will not work\@gobble}}
4837
4838
4839
4840 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
4841   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
4842
4843 \expandafter\bidipretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
4844 {\bidicsuse{@bidi@beforebegin@#1@hook}}
4845 {}
4846 {\bidi@warning{%
4847   Patching '\string\begin' failed!\MessageBreak
4848   '\string\bidiatBeforeBeginEnvironment' will not work\@gobble}}
4849
4850 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
4851   \bidi@csgappto{@bidi@afterend@#1@hook}}
4852
4853 \expandafter\bidipatchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
4854 {\if@ignore}
4855 {\bidicsuse{@bidi@afterend@#1@hook}%
4856 \if@ignore}
4857 {}
4858 {\bidi@warning{%
4859   Patching '\string\end' failed!\MessageBreak
4860   '\string\bidiatAfterEndEnvironment' will not work\@gobble}}
4861
4862 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
4863 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
4864 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
4865 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
4866

```




```

4867 % From David Carlisle:
4868 % The \@stpelt redefinition below belongs to Heiko Oberdiek
4869 % See also https://github.com/ho-tex/oberdiek/issues/26
4870
4871 \let\@bidi@stepcounter\stepcounter
4872 \let\@bidi@stpelt\@stpelt
4873
4874 \def\@stpelt#1{%
4875   \ifcsname bidi@reset@#1@perpage\endcsname
4876     \begingroup
4877       \let\stepcounter\@bidi@stepcounter
4878       \@bidi@stpelt{#1}%
4879     \endgroup
4880     \expandafter\@gobbletwo
4881   \fi
4882   \@bidi@stpelt{#1}%
4883 }
4884
4885 \bidi@pretocmd\stepcounter
4886 {%
4887   \if@bidi@csundef{bidi@stepcounterhook@#1}{}%
4888   \csname bidi@stepcounterhook@#1\endcsname
4889   }%
4890 }{%}%
4891 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
4892
4893 \chardef\bidi@backslash`\\
4894 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
4895
4896 % anonymous control sequences
4897 \newcount\bidi@tempcountb
4898 \newtoks\bidi@temptoksa
4899 \newtoks\bidi@temptoksb
4900
4901 % Catcode (re)storing
4902 %
4903 \def\bidi@storecatcode#1%
4904   {\escapechar\m@ne
4905     \bidi@csarg\edef\bidi@restorecatcode\string#1}%
4906     {\catcode`\string#1=
4907       \the\catcode\expandafter`\string#1}%
4908     \catcode\expandafter`\string#1=12\relax
4909     \escapechar`\\ \relax}
4910 \def\bidi@restorecatcode#1%
4911   {\escapechar\m@ne
4912     \csname bidi@restorecatcode\string#1\endcsname
4913     \escapechar`\\ \relax}
4914
4915 % Construct a control sequence inside \edef
4916 %
4917 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
4918
4919 % Construct a control sequence out of #2, and give it to #1
4920 %

```



```

4921 \def\bidicsarg#1#2{\expandafter#1\csname#2\endcsname}
4922
4923 % Pick an escapecharacter
4924 % this presumes that its argument is a character.
4925 %
4926 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
4927
4928 % Equality of strings.
4929 % the fast approach: does not work in expansion-only environment.
4930 %
4931 \def\bidiequalstring#1#2{00\fi\def\bidieqsa{#1}\def\bidieqsb{#2}%
4932   \ifx\bidieqsa\bidieqsb}
4933
4934 % Test by expansion only
4935 %
4936 \def\bidiequalstringX#1#2{00\fi
4937   \csname if\@bidiequalstringX#1$#2$\endcsname}
4938 \def\@bidiequalstringX#1#2$#3#4${\ifx#1#3%
4939   \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
4940   \else false\fi}
4941 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
4942
4943 % Lexicographic ordering
4944 % note the use of \def
4945 % also note the characters 0,127,255 that are used,
4946 % these are not supposed to appear in the strings
4947 %
4948 {\catcode0=12 \catcode255=12 \catcode127=12
4949 \gdef\bidistringbeforeNC#1#2{00\fi
4950   \bidicharsbefore#1^^@^^?#2^^ff^^?}
4951 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
4952   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
4953   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
4954   \else\ifnum\lccode`#1<\lccode`#3
4955     \def\bidinext{\csname iftrue\endcsname}%
4956   \else\ifnum\lccode`#1>\lccode`#3
4957     \def\bidinext{\csname iffalse\endcsname}%
4958   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
4959   \fi \fi \fi \fi
4960   \bidinext}
4961 \gdef\bidistringbefore#1#2{00\fi
4962   \bidicharsbefore#1^^@^^?#2^^ff^^?}
4963 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
4964   \ifnum`#1<`#3
4965     \def\bidinext{\csname iftrue\endcsname}%
4966   \else\ifnum`#1>`#3
4967     \def\bidinext{\csname iffalse\endcsname}%
4968   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
4969   \fi\fi
4970   \bidinext}
4971 }
4972
4973 % Null argument test
4974 %

```



```

4975 \def\bidempty{}
4976 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1\endcsname\bid@null}
4977 \def\bid@ifemptyX#1{\expandafter\ifx\csname bidi@#1\endcsname\bid@null}
4978 %\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bidempty}
4979 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bidempty}
4980
4981 % Next character test
4982 %
4983 \def\bid@NextChar#1#2#3{00\fi
4984   \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
4985   \futurelet\bid@nxt@c@\bid@ifnxtc}
4986 \def\bid@ifNextChar#1#2#3{%
4987   \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
4988   \futurelet\bid@nxt@c@\bid@ifnxtc}
4989 \def\bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
4990   \else \expandafter\bid@nxt@b \fi}
4991
4992 % Test for defined-ness of string as control sequence.
4993 % works inside \edef
4994 %
4995 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
4996
4997 % Define uniquely defined dummy macros,
4998 % usually to serve as bumper blocks at the end of a list
4999 %
5000 \newcount\bid@dummies
5001 \def\DefNewDummy#1{
5002   \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
5003   \advance\bid@dummies\@ne
5004   \else
5005     \bid@error{Attempt at second definition of `#1'}
5006   \fi}
5007
5008 % string case statement
5009 % use: \bid@switch \iftest{...} in:
5010 %   item1 action1
5011 %   ...
5012 %   itemn actionn
5013 %   default defaultaction [optional]
5014 %   \endbid@switch
5015 % inspired by Jonathan Fine: Some Basic Control Macros
5016 % Tugboat 12 #4
5017 %
5018 \let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
5019 \def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
5020 \def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
5021   #1{#2}\bid@switch@exit #3 \@bid@fi
5022   \bid@switch {#1}
5023 }
5024 % this version puts the test object in {}
5025 \def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
5026   #1{#2}\bid@switch@exit #3 \@bid@fi
5027   \bid@switch #1 in:
5028 }

```



```

5029 % this version assumes that the test object is just one character
5030 \def\bidicswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
5031 #1#2\bidi@switch@exit #3 \@bidi@fi
5032 \bidicswitch #1 in:
5033 }
5034 % this version assumes that the test object can have an optional space
5035 \def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
5036 #1#2 \bidi@switch@exit #3 \@bidi@fi
5037 \bidibswitch #1 in:
5038 }
5039 % this version can cope with significant spaces at the start of #3;
5040 % #2 is macro argument
5041 \def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
5042 #1{#2}\bidi@switch@exit #3 \@bidi@fi
5043 \bidimswitch #1 in:
5044 }
5045 % idem; #2 does not have to be enclosed in braces
5046 \def\bidifswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
5047 #1#2 \bidi@switch@exit #3 \@bidi@fi
5048 \bidifswitch #1 in:
5049 }
5050
5051 % Routines for taking the value of a string:
5052 % if the string is defined as control sequence
5053 % take the value of that, otherwise take the string itself
5054
5055 % String or value of control sequence
5056 %
5057 \def\bidicw@w#1{\if\bidic@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
5058
5059 % String or control sequence
5060 %
5061 \def\@bidicw@w#1{\if\bidic@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
5062
5063 % String or \noexpand-ed control sequence;
5064 % for use in \edef
5065 %
5066 \newif\ifbidic@in@label
5067 \def\@bidicw@w#1{\if\bidic@undefinedcs{#1}#1\else
5068 \ifbidic@in@label\noexpand\protect\fi \bidic@csname{#1}\fi}
5069 \newtoks\bidic@are@these@correct
5070 \def\bidic@t@w@w#1{%
5071 \if\bidic@undefinedcs{#1}#1%
5072 \ifdefining\bidic@append@to@list\bidic@are@these@correct{#1 }\fi
5073 \else
5074 \ifin@label\noexpand\protect\fi \bidic@csname{#1}\fi}
5075
5076 % List Manipulation .....
5077 % this assumes that #1 is a list of tokens, #2 is the name of a list
5078 %
5079 % Names of lists (and of items to pop into) are given as strings;
5080 % not as control sequences.
5081 %
5082 \newtoks\bidic@toks@lista \newtoks\bidic@toks@listb

```



```

5083 % basic append/prepend macro
5084 \long\def\@bidi@append@to@csl#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
5085   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}
5086 \long\def\@bidi@prepend@to@csl#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
5087   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
5088 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@csl}
5089 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@csl}
5090 % variations:
5091 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
5092 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
5093 \def\bidi@append@list@to@list#1#2{%
5094   \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
5095 \def\bidi@prepend@list@to@list#1#2{%
5096   \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
5097 \def\bidi@append@csl@to@csl#1#2{%
5098   \@bidi@append@to@csl{#1}\expandafter{\the#2}}
5099 \def\bidi@prepend@csl@to@csl#1#2{%
5100   \@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
5101 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
5102 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
5103
5104 \let\bidi@willbeunhskip\unhskip
5105
5106 % A few list macros for the user
5107 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
5108 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
5109 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
5110 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
5111 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\empty
5112   \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
5113   \else\bidi@csarg\the{#1}\fi
5114   \let\bidi@willbeunhskip\bidi@oldwbuskip}
5115
5116 \def\bidi@del@tok@from@list#1#2{\begingroup
5117   \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
5118     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
5119     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
5120       {\the\bidi@toks@lista\the\bidi@toks@listb}}%
5121     \bidi@cs@listb}%
5122   \edef\bidi@cs@lista{\noexpand\bidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
5123   \bidi@cs@lista \endgroup}
5124 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
5125   \bidi@in@front@of@csl\bidi@cs@lista}
5126 \long\def\bidi@in@front@of@csl#1#2{\begingroup\bidi@toks@lista=#2}%
5127   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
5128   \endgroup}
5129 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
5130   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
5131     {\expandafter\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
5132       \expandafter\the\csname#1\endcsname}%
5133   }
5134 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
5135   \bidi@set@csl\bidi@cs@lista}
5136 \long\def\bidi@set@csl#1#2{\begingroup\bidi@toks@lista={#2}%

```



```

5137 \global#1=\expandafter{\the\bidit@toks@lista}\endgroup}
5138
5139 %%%%%%%%%%%%%%% Stack macros
5140 %
5141 % push in terms of prepending of lists
5142 \def\bidipush@cs@onto@cs#1#2{\@bidiprepend@to@cslist#1\expandafter{\expandafter\\expandafter
5143 \def\bidipush@onto#1{\@bidicsarg\bidipush@onto@cs{#1}}
5144 \def\bidipush@onto@cs#1#2{\@bidiprepend@to@cslist#1{\{\{#2\}\}}
5145 \def\bidilocal@push@onto#1#2{\let\\=\relax
5146 \bidilocal@in@front@of@list{#1}\{\{#2\}\}}
5147 % pop via auxiliary macro: #1 is result, #2 is stack
5148 % two cs arguments
5149 \def\bidipop@cs@into#1#2{\edef\bidics@e
5150 {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
5151 % two string arguments
5152 \def\bidipop@into#1#2{\edef\bidics@e
5153 {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
5154 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
5155 \def\bidicopy@stacktop#1#2{%
5156 \edef\bidics@e{\noexpand\@bidicopy@stacktop
5157 {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
5158 \bidics@e}
5159 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
5160 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
5161 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
5162 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
5163 \bidistack@length\@ne \the#1}
5164 % turn a stack upside down
5165 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
5166 \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
5167 \loop\ifnum\biditempcountb<\bidistack@length
5168 \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@ne
5169 \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
5170 % \bidicopy@cslist@to@cslist\biditemptoksb\biditemptoksa% append a to b
5171 % \biditemptoksa\biditemptoksb
5172 \repeat% copy b to a
5173 #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
5174 % invert a stack into a list
5175 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
5176 \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
5177 \loop\ifnum\biditempcountb<\bidistack@length
5178 \bidipop@into\biditemptoksb{#1}\advance\bidistack@length\@ne
5179 \bidicopy@list@to@list\biditemptoksb\biditemptoksa\repeat
5180 \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
5181
5182
5183 % General loop macro:
5184 % \looprepeat
5185 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
5186 % \untilcondition{<cond>} \whilecondition{<cond>}
5187 % \doloopbody { <loop body> }
5188 % where all control sequences in between \looprepeat and \doloopbody are optional.
5189 %
5190 % var: characters to form a control sequence;

```



```

5191%   after \forvariable{index} you can access the loop counter as \index.
5192%   This is a count register; to print it use \number\index.
5193% start,step,end: integers with obvious relations to the loop counter;
5194%   start and step have a default value of 1
5195% cond: (sequence of commands ending in) any TeX \if... test.
5196%
5197% Count down instead of up with \downtovalue; the increment given in \bystep
5198% is always positive, and is added or subtracted accordingly.
5199%
5200% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
5201% at the beginning of the loop body.
5202%
5203% Exit from middle of loop: \breaklooprepeat
5204% use this at any place in the loop; in case of a conditional use
5205%   \ifsomething ... \expandafter \breaklooprepeat \fi
5206%
5207% Note that the line ends do not cause spaces in the output.
5208%
5209% Technical details:
5210% The loop body is not executed in a group: the braces are those
5211% of a token list.
5212% The 'forvariable' variable is \let to a \count register.
5213
5214
5215
5216% Auxiliary stuff
5217\def\bidilooptrepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
5218\def\bidilooptrepeat@csromannumeral#1{\csname #1\romannumeral\bidilooptrepeat@depth\endcsname}
5219\def\bidilooptrepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooptrepeat@depth\endcsname}
5220
5221\newcount\bidilooptrepeat@depth
5222\let\endlooprepeat\relax \def\bidilooptprotect{}
5223% Trace switches may later be defined by PAC_utils
5224\let\bidilooptrepeat@traceinit\relax \let\bidilooptrepeat@traceexit\relax
5225
5226% Main repeatloop macro
5227% - go to next level and allocate unique counter/toks if this is the
5228%   first time we visit this level
5229% - setup: gather bounds and termination conditions
5230% - scoop up body in token list; after the assignment define and
5231%   execute body
5232\def\looprepeat#1\doloopbody{\bidilooptrepeat@traceinit % exit in \breakrepeatloop
5233  \advance\bidilooptrepeat@depth\@ne\relax
5234  \bidilooptrepeat@csargromannumeral\ifx\bidilooptrepeat@count\relax
5235    \bidilooptrepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooptrepeat@count
5236    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooptrepeat@toks
5237    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooptrepeat@toks
5238    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooptrepeat@toks
5239  \fi \bidilooptrepeat@zero \def\bidilooptrepeat@sign{}\def\bidilooptrepeat@comp{>}\bidilooptrepeat@comp
5240  \edef\bidilooptrepeat@tmp
5241    {\def\bidilooptrepeat@csargromannumeral\noexpand\bidilooptrepeat@looprepeat}\bidilooptrepeat@tmp
5242  \afterassignment\bidilooptrepeat@doxbody\bidilooptrepeat@csromannumeral\bidilooptrepeat@toks
5243
5244% Define and execute loop body

```



```

5245 % This is done with an \edef to construct the actual sequence
5246 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
5247   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
5248   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
5249   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
5250   \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidiloopre
5251   \noexpand\endlooprepeat
5252   \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}}%
5253 \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
5254
5255 % Stop test
5256 %% In order to stop, issue a
5257 % \breaklooprepeat which scoops up the rest of the body and exits
5258 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral
5259 \advance\bidilooprepeat@depth\m@ne \bidilooprepeat@traceexit
5260 }
5261
5262
5263 % Setup
5264 % gather bounds and termination conditions
5265 \def\bidilooprepeat@setup#1{%
5266   \begingroup
5267   \def\forvariable##1{%
5268     \edef\bidilooprepeat@tmp{%
5269       \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral{\bidiloopre
5270       \bidilooprepeat@tmp}%
5271     \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global{\bidilooprepeat@count}##1\ig
5272     \def\tovalue##1{%
5273       \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidiloopre
5274       {\bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
5275       \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bi
5276       \noexpand\expandafter \noexpand\breaklooprepeat
5277       \noexpand\fi}\ignorespaces}%
5278       \bidilooprepeat@tmp}%
5279     \def\downtovalue##1{%
5280       \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
5281     \def\bystep##1{\ifnum##1<0 \bidioerror{LOOPREPEAT: increment has to be a positive value}
5282       \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{-##1}\else
5283       \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{##1}\fi\ignoresp
5284     \def\untilcondition##1{%
5285       \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidiloopre
5286       {\noexpand##1\relax
5287       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
5288       \bidilooprepeat@tmp}%
5289     \def\whilecondition##1{%
5290       \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidiloopre
5291       {\noexpand##1\relax \noexpand\else
5292       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
5293       \bidilooprepeat@tmp}%
5294       \fromvalue{\@ne}\bystep{\@ne}#1%
5295     \endgroup}
5296 \def\bidilooprepeat@zero
5297 {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}\bidilooprepeat@csromannumeral{\b
5298   \bidilooprepeat@csargromannumeral\def{\bidilooprepeat@body}{}}

```




```

5299
5300%\tracingmacros2
5301%\newcount\tmpcount % used in some examples below
5302
5303%\looprepeat \forvariable{i}
5304%      \bystep{2}
5305%  \doloopbody {%
5306%      \ifnum{i}=13 \expandafter\breaklooprepeat \fi
5307%      \number{i}} %
5308%}%
5309
5310%\looprepeat \forvariable{iii}
5311%      \tovalue{8}
5312%  \doloopbody {}
5313%After loop: \number{iii}%
5314
5315%\looprepeat \forvariable{i}
5316%      \fromvalue{10}
5317%      \bystep{2}
5318%      \downtovalue{0}
5319%  \doloopbody {\number{i}} }
5320
5321%\looprepeat \forvariable{x} \whilecondition{\ifnum{x}<7}
5322%  \doloopbody {\number{x}} }
5323
5324%\looprepeat \tovalue{3} \doloopbody {Hello world! }
5325
5326%\looprepeat \forvariable{j}
5327%      \untilcondition{\tmpcount>j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
5328%  \doloopbody {\number{j}} }
5329
5330%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
5331% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
5332%  \doloopbody {(\number{i}.\number{j}) }
5333% }
5334
5335% infinite loop
5336%\looprepeat \doloopbody {}
5337
5338\renewcommand{\InputIfFileExists}[2]{%
5339  \begingroup\expandafter\expandafter\expandafter\endgroup
5340  \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
5341    \expandafter\@secondoftwo
5342  \else
5343    \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
5344    \expandafter\@firstoftwo
5345  \fi
5346  {%
5347    \expandafter\InputIfFileExists\expandafter{\csname
5348      #1-@bidi@alias\endcsname}{#2}%
5349  }%
5350  {\IfFileExists{#1}{%
5351    \bidi@load@hook{before}{#1}%
5352    #2\@addtofilelist{#1}%

```



```

5353 \@@input \@filef@und
5354 \bidi@load@hook{after}{#1}%
5355 }}%
5356 }
5357
5358 \newcommand*{\bidi@loadwithoptions}{%
5359 \newcommand*{\bidi@loadwithoptions}{%
5360 \let\bidi@loadwithoptions\@loadwithoptions
5361
5362 \renewcommand*{\@loadwithoptions}[3]{%
5363 \begingroup\expandafter\expandafter\expandafter\endgroup
5364 \expandafter\ifx\csname #3.#1-\bidi@aliasname\endcsname\relax
5365 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
5366 \else
5367 \bidi@replacefile@msg{\csname #3.#1-\bidi@aliasname\endcsname.#1}{#3.#1}%
5368 \def\bidi@loadwithoptions{%
5369 \loadwithoptions{#1}{#2}{\csname #3.#1-\bidi@aliasname\endcsname}}%
5370 }%
5371 \fi
5372 \bidi@loadwithoptions
5373 }
5374
5375 \newcommand*{\bidi@onefilewithoptions}{%
5376 \let\bidi@onefilewithoptions\@onefilewithoptions
5377 \def\@onefilewithoptions#1[#2][#3]#4{%
5378 \begingroup\expandafter\expandafter\expandafter\endgroup
5379 \expandafter\ifx\csname #1.#4-\bidi@aliasname\endcsname\relax
5380 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
5381 \else
5382 \bidi@replacefile@msg{\csname #1.#4-\bidi@aliasname\endcsname.#4}{#1.#4}%
5383 \edef\bidi@onefilewithoptions{%
5384 \noexpand\bidi@onefilewithoptions{\csname #1.#4-\bidi@aliasname\endcsname}}%
5385 \fi
5386 \bidi@onefilewithoptions[#2][#3]{#4}%
5387 \bidi@load@hook{lateafter}{#1.#4}%
5388 }
5389
5390 \newcommand*{\bidi@ReplaceInput}[2]{%
5391 \expandafter\edef\csname #1-\bidi@alias\endcsname{#2}%
5392 }
5393
5394 \newcommand*{\bidi@UnReplaceInput}[1]{%
5395 \ifcsname #1-\bidi@alias\endcsname
5396 \expandafter\let\csname #1-\bidi@alias\endcsname\relax
5397 \fi
5398 }
5399
5400 \newcommand*{\@bidi@replacefilewithext}[3]{%
5401 \expandafter\edef\csname #1.#3-\bidi@aliasname\endcsname{#2}%
5402 }
5403 \newcommand*{\bidi@ReplacePackage}[2]{%
5404 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
5405 }
5406 \newcommand*{\bidi@ReplaceClass}[2]{%

```



```

5407 \@bidi@replacefilewithext{#1}{#2}\@clsextension
5408 }
5409 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
5410   \ifcsname #1.#2-\@bidi@aliasname\endcsname
5411     \expandafter\let\csname #1.#2-\@bidi@aliasname\endcsname\relax
5412   \fi
5413 }
5414 \newcommand*{\bidi@UnReplacePackage}[1]{%
5415   \@bidi@unreplacefilewithext{#1}\@pkgextension
5416 }
5417 \newcommand*{\bidi@UnReplaceClass}[1]{%
5418   \@bidi@unreplacefilewithext{#1}\@clsextension
5419 }
5420 \newcommand*{\bidi@replacefile@msg}[2]{%
5421   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
5422 }
5423
5424 \newcommand*{\bidi@load@hook}[2]{%
5425   \@ifundefined{#2-@#1}{-}{%
5426     \@nameuse{#2-@#1}%
5427     \expandafter\let\csname #2-@#1\endcsname=\relax}}
5428 \newcommand*{\bidi@set@load@hook}[2]{%
5429   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{-}}{%
5430     \expandafter\g@addto@macro\csname #2-@#1\endcsname}
5431 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
5432 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
5433 \newcommand*{\bidi@BeforeClass}[1]{%
5434   \bidi@set@load@hook{before}{#1.\@clsextension}}
5435 \newcommand*{\bidi@AfterClass}{%
5436   \@ifstar {\@s@bidi@AfterClass}{%
5437     \ifnextchar +\@@bidi@AfterClass{%
5438       \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
5439     }%
5440   }%
5441 }
5442
5443 \newcommand*{\@@@bidi@AfterClass}[2]{%
5444   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
5445     \aftergroup\@s@bidi@AfterClass
5446   \else
5447     \aftergroup\bidi@AfterAtEndOfClass
5448   \fi
5449   \endgroup{#2}%
5450 }
5451
5452 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
5453   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
5454 \newcommand*{\@@@bidi@AfterClass}[2]{%
5455   \begingroup
5456     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
5457       \aftergroup\@s@bidi@AfterClass
5458     \else
5459       \aftergroup\bidi@AfterClass
5460     \fi

```



```

5461 \endgroup{#2}%
5462 }
5463
5464 \newcommand*{\@bidi@AfterClass}[1]{%
5465   \bidi@set@load@hook{after}{#1.\@clsextension}}
5466 \newcommand*{\@s@bidi@AfterClass}[1]{%
5467   \beginingroup
5468     \ifclassloaded{#1}{%
5469       \aftergroup\@secondoftwo
5470     }{%
5471       \aftergroup\@bidi@AfterClass
5472     }%
5473   \endgroup
5474   {#1}%
5475 }
5476
5477
5478 \newcommand*{\bidi@BeforePackage}[1]{%
5479   \bidi@set@load@hook{before}{#1.\@pkgextension}}
5480 \newcommand*{\bidi@AfterPackage}{%
5481   \ifstar {\@s@bidi@AfterPackage}{%
5482     \ifnextchar +\@@bidi@AfterPackage{%
5483       \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
5484     }%
5485   }%
5486 }
5487 \newcommand*{\@@@bidi@AfterPackage}[2]{%
5488   \beginingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
5489     \aftergroup\@s@bidi@AfterPackage
5490   \else
5491     \aftergroup\bidi@AfterAtEndOfPackage
5492   \fi
5493   \endgroup{#2}%
5494 }
5495 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
5496   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
5497 \newcommand*{\@@bidi@AfterPackage}[2]{%
5498   \beginingroup
5499     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
5500     \aftergroup\@s@bidi@AfterPackage
5501   \else
5502     \aftergroup\bidi@AfterPackage
5503   \fi
5504   \endgroup{#2}%
5505 }
5506 \newcommand*{\@bidi@AfterPackage}[1]{%
5507   \bidi@set@load@hook{after}{#1.\@pkgextension}}
5508 \newcommand*{\@s@bidi@AfterPackage}[1]{%
5509   \beginingroup
5510     \ifpackageloaded{#1}{%
5511       \aftergroup\@secondoftwo
5512     }{%
5513       \aftergroup\@bidi@AfterPackage
5514     }%

```



```

5515 \endgroup
5516 {#1}%
5517 }
5518
5519 \newcommand*{\bidi@excludedpackages}{}
5520 \let\bidi@excludedpackages\@empty
5521 \newcommand*{\bidi@saved@RequirePackage}{}
5522 \newcommand*{\bidi@PreventPackageFromLoading}{%
5523   \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
5524     {\@bidi@PreventPackageFromLoading\PackageWarning}%
5525 }
5526 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
5527   \@ifnextchar [%]
5528     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
5529 }
5530 \newcommand*{\@bidi@PreventPackageFromLoading}{}
5531
5532 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
5533   \edef\reserved@b{\zap@space#3 \@empty}%
5534   \ifx \reserved@b\@empty
5535     #1{biditools}{%
5536       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
5537       argument ignored%
5538     }%
5539   \else
5540     \ifx\bidi@excludedpackages\@empty
5541       \let\bidi@saved@RequirePackage\RequirePackage
5542       \let\RequirePackage\bidi@RequirePackage
5543       \def\reserved@a##1##{%
5544         \@latex@error
5545         {\noexpand \usepackage before \string\documentclass}%
5546         {\noexpand \usepackage may only appear in the document
5547          preamble, i.e.,\MessageBreak
5548          between \noexpand\documentclass and
5549          \string\begin{document}.}%
5550         \@gobble}%
5551       \ifx\reserved@a\usepackage\else
5552         \ifx\usepackage\bidi@saved@RequirePackage\else
5553           \PackageWarning{biditools}{%
5554             Maybe serious problem: unexpected definition of\MessageBreak
5555             \string\usepackage
5556           }%
5557         \fi
5558         \let\usepackage\RequirePackage
5559       \fi
5560     \fi
5561     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
5562     \reserved@b\do {%
5563       \ifx\reserved@a\@empty
5564         #1{biditools}{%
5565           empty package argument for
5566           \string\bidi@PreventPackageFromLoading\MessageBreak
5567           ignored%
5568         }%

```



```

5569 \else
5570 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
5571 #1{biditools}}{%
5572 package '\reserved@a' already loaded.\MessageBreak
5573 Cannot prevent it from being loaded%
5574 }%
5575 }{%
5576 \edef\bidix@excludedpackages{\bidix@excludedpackages,%
5577 \reserved@a}%
5578 \if\relax\detokenize{#2}\relax\else
5579 \@ifundefined{bidix@exclude@package@\reserved@a @do}{%
5580 \@namedef{bidix@exclude@package@\reserved@a @do}{%
5581 }{%
5582 \expandafter\def
5583 \csname bidix@exclude@package@\reserved@a
5584 @do\expandafter\expandafter\expandafter\endcsname
5585 \expandafter\expandafter\expandafter{%
5586 \csname bidix@exclude@package@\reserved@a @do\endcsname
5587 #2%
5588 }%
5589 \fi
5590 }%
5591 \fi
5592 }%
5593 \ifx\bidix@excludedpackages\@empty
5594 \bidix@ResetPreventPackageFromLoading
5595 \fi
5596 \fi
5597 }
5598
5599 \@onlypreamble\bidix@PreventPackageFromLoading
5600 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
5601 \let\bidix@excludedpackages\@empty
5602 \ifx\RequirePackage\bidix@RequirePackage
5603 \ifx\usepackage\RequirePackage
5604 \let\usepackage\bidix@saved@RequirePackage
5605 \fi
5606 \let\RequirePackage\bidix@saved@RequirePackage
5607 \fi
5608 }
5609 \@onlypreamble\bidix@ResetPreventPackageFromLoading
5610 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
5611 \let#1\bidix@excludedpackages
5612 }
5613 \@onlypreamble\bidix@StorePreventPackageFromLoading
5614 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
5615 \@ifstar {\@tempswatrue\bidix@UnPreventPackageFromLoading}%
5616 {\@tempswafalse\bidix@UnPreventPackageFromLoading}%
5617 }
5618
5619 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
5620 \edef\reserved@b{\zap@space#1 \@empty}%
5621 \if@tempswa
5622 \@for\reserved@a:=\reserved@b\do {%

```



```

5623     \ifx\reserved@a\@empty \else
5624         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
5625             \expandafter\let
5626             \csname bidi@exclude@package@\reserved@a @do\endcsname
5627             \undefined
5628         \fi
5629     \fi
5630 }%
5631 \fi
5632 \ifcsname bidi@excludedpackages\endcsname
5633     \let\reserved@a\ bidi@excludedpackages
5634     \let\ bidi@excludedpackages\@empty
5635     \expandafter\@for\expandafter\reserved@c
5636     \expandafter:\expandafter=\reserved@a
5637     \do{%
5638         \ifx\reserved@c\@empty\else
5639             \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
5640             \ifin@
5641             \else
5642                 \edef\ bidi@excludedpackages{%
5643                     \ bidi@excludedpackages,\reserved@c
5644                 }%
5645             \fi
5646         \fi
5647     }%
5648     \ifx\ bidi@excludedpackages\@empty\ bidi@ResetPreventPackageFromLoading\fi
5649 \fi
5650 }
5651
5652
5653 \newcommand*{\ bidi@RequirePackage}[2][ ]{%
5654     \let\reserved@c\@empty
5655     \let\reserved@d\@empty
5656     \edef\reserved@b{\zap@space#2 \@empty}%
5657     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
5658     \do {%
5659         \begingroup
5660         \@tempwattrue
5661         \@for\reserved@a:=\ bidi@excludedpackages\do {%
5662             \ifx\reserved@a\reserved@b
5663                 \@tempswafalse
5664             \fi
5665         }%
5666         \if@tempswa
5667             \xdef\reserved@c{\reserved@c,\reserved@b}%
5668         \else
5669             \ifx\reserved@b\@empty\else
5670                 \PackageInfo{biditools}{Excluding package ``\reserved@b'\MessageBreak
5671                     from loading}%
5672                 \@ifundefined{bidi@exclude@package@\reserved@b @do}{f}%
5673                 }{%
5674                     \expandafter\g@addto@macro\expandafter\reserved@d
5675                     \csname bidi@exclude@package@\reserved@b @do\endcsname
5676                 }%

```



```

5677         \fi
5678     \fi
5679 \endgroup
5680 }%
5681 \ifx\reserved@c\@empty
5682     \let\reserved@a\bidigobbleopt
5683 \else
5684     \edef\reserved@a{\noexpand\bidisaved@RequirePackage[#1]{%
5685         \expandafter\@gobble\reserved@c\@empty}}%
5686 \fi
5687 \expandafter\reserved@d
5688 \reserved@a
5689 }
5690
5691 \newcommand{\bidigobbleopt}[1][]{\{
5692 \AtEndDocument{%
5693     \let\bidisaved@checkend=\@checkend
5694     \renewcommand*\@checkend}[1]{%
5695         \def\reserved@a{#1}\def\reserved@b{document}%
5696         \bidisaved@checkend{#1}%
5697         \ifx\reserved@a\reserved@b
5698             \let\bidisaved@clearpage=\clearpage
5699             \renewcommand*\@clearpage{\bidisaved@clearpage
5700                 \bidihook@bcma
5701                 \bidirestore@newpage
5702                 \let\clearpage=\bidisaved@clearpage}%
5703         \fi%
5704         \let\bidisaved@dofilelist\@dofilelist
5705         \def\@dofilelist{%
5706             \bidihook@acma
5707             \let\@dofilelist\bidisaved@dofilelist
5708             \bidisaved@dofilelist
5709         }%
5710     }%
5711 }
5712
5713
5714 \newcommand*\bidisaved@checkend{}
5715 \newcommand*\bidisaved@dofilelist{}
5716 \newcommand*\bidiredefine@newpage{%
5717     \let\bidisaved@newpage\newpage
5718     \def\bidirestore@newpage{%
5719         \renewcommand*\@newpage{%
5720             \PackageWarningNoLine{%
5721                 biditools%
5722             }{%
5723                 \string\newpage\space at main aux file!\MessageBreak
5724                 You have output material at the main aux file.\MessageBreak
5725                 Note, that the \string\bidibeforeclosingmainaux\space commands\MessageBreak
5726                 are processed before the output from aux file%
5727             }%
5728             \let\newpage\bidisaved@newpage
5729             \newpage
5730         }%

```




```

5731 }%
5732 \renewcommand*{\newpage}{%
5733   \PackageError{%
5734     biditools%
5735   }{%
5736     \string\newpage\space at \string\bid@BeforeClosingMainAux
5737   }{%
5738     You should never use \string\newpage\space or
5739     \string\clear(double)page or other output material at the\MessageBreak
5740     argument of \string\bid@BeforeClosingMainAux!\MessageBreak
5741     If you'll continue, the \string\newpage\space will be ignored to
5742     avoid corruption of\MessageBreak
5743     every prior use of \string\bid@BeforeClosingMainAux.
5744   }%
5745 }%
5746 }
5747
5748 \newcommand*{\bid@restore@newpage}{}
5749 \newcommand*{\bid@hook@bcma}{}
5750 \newcommand*{\bid@hook@acma}{}
5751 \newcommand*{\bid@BeforeClosingMainAux}{%
5752   \ifx\bid@hook@bcma\@empty
5753     \gdef\bid@hook@bcma{%
5754       \renewcommand*{\bid@BeforeClosingMainAux}[1]{###1}%
5755       \let\protected@write\bid@protected@immediate@write
5756       \bid@redefine@newpage
5757     }%
5758   \fi
5759   \g@addto@macro\bid@hook@bcma%
5760 }
5761
5762 \newcommand*{\bid@AfterReadingMainAux}{%
5763   \ifx\bid@hook@acma\@empty
5764     \gdef\bid@hook@acma{%
5765       \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
5766       \let\protected@write\bid@protected@immediate@write
5767     }%
5768   \fi
5769   \g@addto@macro\bid@hook@acma%
5770 }
5771
5772 \long\def\bid@protected@immediate@write#1#2#3{%
5773   \begingroup
5774     #2%
5775     \let\protect\@unexpandable@protect
5776     \edef\reserved@a{\immediate\write#1{#3}}%
5777     \reserved@a
5778   \endgroup
5779   \if@nobreak\ifvmode\nobreak\fi\fi
5780 }
5781
5782 \def\bid@patch@counter{0}%
5783 \if@bid@csundef{numexpr}{%
5784   \def\bid@patch@stepcounter{%

```



```

5785 \begingroup
5786 \count@ \bidi@patch@counter \relax
5787 \advance \count@ \@ne \relax
5788 \edef \x { \endgroup
5789 \noexpand \def \noexpand \bidi@patch@counter { \the \count@ } %
5790 } %
5791 \x
5792 } %
5793 } { %
5794 \def \bidi@patch@stepcounter { %
5795 \edef \bidi@patch@counter { %
5796 \the \numexpr \bidi@patch@counter + \@ne \relax
5797 } %
5798 } %
5799 }
5800 \def \bidi@patch@list { }
5801 \def \bidi@patch@Add { %
5802 \bidi@appto \bidi@patch@list
5803 }
5804 \def \bidi@patch@AfterPackage #1 { %
5805 \ifpackageloaded { #1 } { %
5806 \@firstofone
5807 } { %
5808 \@bidi@patch@AfterPackage { #1 } %
5809 } %
5810 }
5811 \def \@bidi@patch@AfterPackage #1 { %
5812 \edef \bidi@patch@temp { #1 } %
5813 \bidi@patch@stepcounter
5814 \expandafter \bidi@patch@@AfterPackage
5815 \csname @bidi@patch@ \bidi@patch@counter \expandafter \endcsname { %
5816 \bidi@patch@temp
5817 } %
5818 }
5819 \def \bidi@patch@@AfterPackage #1#2#3 { %
5820 \begingroup
5821 \toks@ { #3 } %
5822 \xdef \bidi@patch@gtemp { %
5823 \noexpand \@ifpackageloaded { #2 } { %
5824 \noexpand \let \noexpand #1 \noexpand \relax
5825 \the \toks@
5826 } { } %
5827 } %
5828 \endgroup
5829 \let #1 \bidi@patch@gtemp
5830 \bidi@patch@Add #1 %
5831 \bidi@patch@try { \bidi@AfterPackage } { #2 } #1 %
5832 }
5833
5834 \def \bidi@patch@try #1#2#3 { %
5835 \if@bidi@csundef { #1 } { } { %
5836 \csname #1 \endcsname { #2 } { #3 } %
5837 } %
5838 }

```



```

5839
5840 \AtBeginDocument{\bidi@patch@list}
5841
5842 \bidi@AtEndPreamble{\bidi@patch@list}%
5843
5844 \bidi@AfterEndPreamble{%
5845   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
5846   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
5847   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
5848   \let\bidi@patch@OrgIfClassLater\@ifclasslater
5849   \bidi@patch@list
5850   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
5851   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
5852   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
5853   \let\@ifclasslater\bidi@patch@OrgIfClassLater
5854 }%

```

36 File bidentuftefloat.sty

```

5855 \NeedsTeXFormat{LaTeX2e}
5856 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
5857 bidi implementation of tufte float]
5858 \RequirePackage{xifthen}
5859 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
5860 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
5861 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bid
5862 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
5863 \newboolean{\@bidentuftefloat@reversegeometry}
5864 \setboolean{\@bidentuftefloat@reversegeometry}{false}
5865 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
5866 \newboolean{\@bidentuftefloat@a4paper}
5867 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
5868 \newboolean{\@bidentuftefloat@b5paper}
5869 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
5870 \newboolean{\@bidentuftefloat@symmetric}
5871 \newboolean{\@bidentuftefloat@twoside}
5872 \DeclareOption{twoside}{%
5873 \@twoside>true \@mparswitch>true%
5874 \setboolean{\@bidentuftefloat@twoside}{true}%
5875 \setboolean{\@bidentuftefloat@symmetric}{true}%
5876 }
5877 \DeclareOption{oneside}{%
5878 \@twoside>false \@mparswitch>false%
5879 \setboolean{\@bidentuftefloat@twoside}{false}%
5880 \setboolean{\@bidentuftefloat@symmetric}{false}%
5881 }
5882 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
5883 \newboolean{\@bidentuftefloat@debug}
5884 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodete
5885 \ProcessOptions
5886 %% Globally sets the length
5887 \newcommand*{\gsetlength}[2]{%
5888   \setlength{#1}{#2}%
5889   \global#1=#1\relax%

```



```

5890 }
5891
5892 %% Set the font sizes and baselines to match bidentuftefloat's books
5893 \renewcommand\normalsize{%
5894   \@setfontsize\normalsize\@xpt{14}%
5895   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
5896   \abovedisplayshortskip \z@ \@plus3\p@
5897   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
5898   \belowdisplayskip \abovedisplayskip
5899   \let\@listi\@listI}
5900 \normalbaselineskip=14pt
5901 \normalsize
5902 \renewcommand\footnotesize{%
5903   \@setfontsize\footnotesize\@viipt{10}%
5904   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
5905   \abovedisplayshortskip \z@ \@plus\p@
5906   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
5907   \def\@listi{\leftmargin\leftmargini
5908             \topsep 3\p@ \@plus\p@ \@minus\p@
5909             \parsep 2\p@ \@plus\p@ \@minus\p@
5910             \itemsep \parsep}%
5911   \belowdisplayskip \abovedisplayskip
5912 }
5913 %% Paragraph indentation and separation for marginal text
5914 \newcommand{\@bidentuftefloat@margin@par}{%
5915   \setlength{\RaggedRightParindent}{0.5pc}%
5916   \setlength{\JustifyingParindent}{0.5pc}%
5917   \setlength{\parindent}{0.5pc}%
5918   \setlength{\parskip}{0pt}%
5919 }
5920 \RequirePackage{ragged2e}
5921 \ifthenelse{\boolean{@bidentuftefloat@reversegeometry}}{%
5922 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
5923 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
5924   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
5925   }}
5926 \ifthenelse{\boolean{@bidentuftefloat@b5paper}}{
5927   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,
5928   }}}%
5929 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
5930 \ifthenelse{\boolean{@bidentuftefloat@a4paper}}{
5931   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
5932   }}
5933 \ifthenelse{\boolean{@bidentuftefloat@b5paper}}{
5934   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
5935   }}
5936 \ifthenelse{\boolean{@bidentuftefloat@symmetric}}{
5937   {}
5938   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
5939 \setlength\marginparpush{10pt}
5940 %% Font for margin items
5941 \newcommand{\@bidentuftefloat@marginfont}{\normalfont\footnotesize}
5942 \newcommand*{\@bidentuftefloat@caption@font}{\@bidentuftefloat@marginfont}
5943 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidentuftefloat@caption@font}{#1}}

```



```

5944 \newcommand{\@biditytfloat@justification}{\justifying}%
5945 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
5946 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
5947 \newboolean{@biditytfloat@changepage}
5948 \IfFileExists{changepage.sty}{%
5949   \biditytfloatDebugInfoNL{Found changepage.sty}
5950   \RequirePackage[strict]{changepage}
5951   \setboolean{@biditytfloat@changepage}{true}
5952 }{%
5953   \biditytfloatDebugInfoNL{Found chngpage.sty}
5954   \RequirePackage[strict]{chngpage}
5955   \setboolean{@biditytfloat@changepage}{false}
5956 }
5957 \newboolean{@biditytfloat@odd@page}
5958 \setboolean{@biditytfloat@odd@page}{true}
5959 \newcommand*{\@biditytfloat@checkoddpage}{%
5960   \checkoddpage%
5961   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
5962     \ifoddpage%
5963       \setboolean{@biditytfloat@odd@page}{true}%
5964     \else%
5965       \setboolean{@biditytfloat@odd@page}{false}%
5966     \fi%
5967   }{%
5968     \ifcpoddpage%
5969       \setboolean{@biditytfloat@odd@page}{true}%
5970     \else%
5971       \setboolean{@biditytfloat@odd@page}{false}%
5972     \fi%
5973   }%
5974 }
5975 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
5976 \newlength{\@biditytfloat@fullwidth}
5977 \newlength{\@biditytfloat@caption@fill}
5978 \newcommand{\biditytfloatRecalculate}{%
5979   \setlength{\@biditytfloat@overhang}{\marginparwidth}
5980   \addtolength{\@biditytfloat@overhang}{\marginparsep}
5981
5982   \setlength{\@biditytfloat@fullwidth}{\textwidth}
5983   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
5984   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
5985
5986   \setlength{\@biditytfloat@caption@fill}{\textwidth}
5987   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
5988 }
5989 \AtBeginDocument{\biditytfloatRecalculate}
5990 \RequirePackage{optparams}% provides multiple optional arguments for commands
5991 \RequirePackage{placeins}
5992 \newsavebox{\@biditytfloat@margin@floatbox}
5993 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
5994   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
5995   \begin{lrbox}{\@biditytfloat@margin@floatbox}%
5996   \begin{minipage}{\marginparwidth}%
5997     \@biditytfloat@caption@font%

```



```

5998 \def\@capttype{#2}%
5999 \hbox{}\vspace*{#1}%
6000 \@bituftefloat@caption@justification%
6001 \@bituftefloat@margin@par%
6002 \noindent%
6003 }
6004 {\end{minipage}}%
6005 \end{lrbox}}%
6006 \marginpar{\usebox{\@bituftefloat@margin@floatbox}}%
6007 }
6008 \newenvironment{marginfigure}[1][-1.2ex]%
6009 {\begin{\@bituftefloat@margin@float}[#1]{figure}}
6010 {\end{\@bituftefloat@margin@float}}
6011 \newenvironment{margintable}[1][-1.2ex]%
6012 {\begin{\@bituftefloat@margin@float}[#1]{table}}
6013 {\end{\@bituftefloat@margin@float}}
6014 \newcommand*{\@bituftefloat@justification@autodetect}{\justifying}%
6015
6016 \newcommand{\@bituftefloat@float@debug@info}{}% contains debug info generated as the float
6017 \newcommand{\@bituftefloat@float@debug}[1]{% adds debug info to the queue for output
6018 \ifthenelse{\equal{\@bituftefloat@float@debug@info}{}}%
6019 {\def\@bituftefloat@float@debug@info{#1}}%
6020 {\g@addto@macro\@bituftefloat@float@debug@info{\MessageBreak#1}}%
6021 }
6022 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
6023 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bituftefloat@float@debug
6024 \newboolean{\@bituftefloat@float@recto}
6025 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@bituftefloat@float@recto}{true}\@bituft
6026 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@bituftefloat@float@recto}{false}\@bituft
6027 \newsavebox{\@bituftefloat@figure@box}
6028 \newsavebox{\@bituftefloat@caption@box}
6029 \let\@bituftefloat@orig@float\@float
6030 \let\@bituftefloat@orig@endfloat\endfloat
6031 \newlength{\@bituftefloat@caption@vertical@offset}
6032 \setlength{\@bituftefloat@caption@vertical@offset}{0pt}
6033 \newcommand{\@bituftefloat@stored@shortcaption}{}
6034 \newcommand{\@bituftefloat@stored@caption}{}
6035 \newcommand{\@bituftefloat@stored@label}{}
6036 \long\def\@bituftefloat@caption[#1][#2]#3{%
6037 \ifthenelse{\isempty{#1}}%
6038 {\gdef\@bituftefloat@stored@shortcaption{#3}}%
6039 {\gdef\@bituftefloat@stored@shortcaption{#1}}%
6040 \gsetlength{\@bituftefloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
6041 \gdef\@bituftefloat@stored@caption{#3}%
6042 }
6043 \newcommand{\@bituftefloat@label}[1]{%
6044 \gdef\@bituftefloat@stored@label{#1}%
6045 }
6046 \newcommand{\@bituftefloat@fps}{}
6047 \newboolean{\@bituftefloat@float@star}
6048 \newlength{\@bituftefloat@float@contents@width}
6049 \newenvironment{\@bituftefloat@float}[3][htbp]%
6050 {% begin \@bituftefloat@float
6051 % Should this float be full-width or just text-width?

```



```

6052 \ifthenelse{\equal{#3}{star}}%
6053   {\GlobalSetBoolean{@biditytfloat@float@star}{true}}%
6054   {\GlobalSetBoolean{@biditytfloat@float@star}{false}}%
6055 % Check page side (recto/verso) and store detected value -- can be overridden in environm
6056 \@biditytfloat@checkoddpag%
6057 \ifthenelse{\boolean{@biditytfloat@odd@page}}%
6058   {\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Dete
6059   {\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Det
6060 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
6061 \renewcommand{\@biditytfloat@fps}{#1}%
6062 \@biditytfloat@float@debug{Allowed positions: [#1]}%
6063 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
6064   {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bot
6065   {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top
6066 % Capture the contents of the \caption and \label commands to use later
6067 \global\let\@biditytfloat@orig@caption\caption%
6068 \global\let\@biditytfloat@orig@label\label%
6069 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[0pt]}}%
6070 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
6071 % Handle subfigure package compatibility
6072 \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
6073   \bidi@patchcmd{\subfigure}{%
6074     \let\subfig@oldlabel=\label
6075   }{%
6076     \let\subfig@oldlabel=\@biditytfloat@orig@label
6077   }
6078   {}
6079   {}
6080   \let\subtable=\subfigure
6081 }{}% subfigure package is not loaded
6082 \@biditytfloat@orig@float{#2}[#1]%
6083 \ifthenelse{\boolean{@biditytfloat@float@star}}%
6084   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
6085   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
6086 \begin{lrbox}{\@biditytfloat@figure@box}%
6087   \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
6088 }{}% end @biditytfloat@float
6089   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
6090   \end{minipage}%
6091 \end{lrbox}%
6092 % build the caption box
6093 \begin{lrbox}{\@biditytfloat@caption@box}%
6094   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
6095     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@cap
6096     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label
6097     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
6098   \end{minipage}%
6099 \end{lrbox}%
6100 % now typeset the stored boxes
6101 \begin{fullwidth}%
6102   \begin{minipage}[\floatalignment]{\linewidth}%
6103     \ifthenelse{\boolean{@biditytfloat@float@star}}%
6104       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
6105       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi

```



```

6106     \end{minipage}%
6107 \end{fullwidth}%
6108 \@biditytfloat@orig@endfloat% end original LaTeX float environment
6109 % output debug info
6110 \ifthenelse{\boolean{@biditytfloat@debug}}{%
6111     \typeout{^^J^^J----- biditytfloat package float information -----}%
6112     \ifthenelse{\equal{@biditytfloat@stored@label}{}}%
6113         {\typeout{Warning: Float unlabeled!}}%
6114         {\typeout{Float label: [@biditytfloat@stored@label]}}%
6115     \typeout{Page number: [@thepage]}%
6116     \def\MessageBreak{^^J}%
6117     \typeout{@biditytfloat@float@debug@info}%
6118     \ifthenelse{\boolean{@biditytfloat@symmetric}}%
6119         {\typeout{Symmetric: [true]}}%
6120         {\typeout{Symmetric: [false]}}%
6121     \typeout{-----^^J^^J}%
6122 }{}%
6123 % reset commands and temp boxes and captions
6124 \gdef\biditytfloat@float@debug@info{}%
6125 \let\caption\biditytfloat@orig@caption%
6126 \let\label\biditytfloat@orig@label%
6127 \begin{lrbox}{\biditytfloat@figure@box}\hbox{}\end{lrbox}%
6128 \begin{lrbox}{\biditytfloat@caption@box}\hbox{}\end{lrbox}%
6129 \gdef\biditytfloat@stored@shortcaption{}%
6130 \gdef\biditytfloat@stored@caption{}%
6131 \gdef\biditytfloat@stored@label{}%
6132 \gsetlength{\biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
6133 }
6134 \newcommand{\biditytfloat@float@textwidth}[3][0pt]{%
6135     \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
6136     % asymmetric or page is odd, so caption is on the right
6137     \hbox{%
6138         \usebox{#2}%
6139         \hspace{\marginparsep}%
6140         \smash{\raisebox{#1}{\usebox{#3}}}%
6141     }
6142     \biditytfloat@float@debug{Caption position: [right]}%
6143 }{% symmetric pages and page is even, so caption is on the left
6144     \hbox{%
6145         \smash{\raisebox{#1}{\usebox{#3}}}%
6146         \hspace{\marginparsep}%
6147         \usebox{#2}%
6148     }
6149     \biditytfloat@float@debug{Caption position: [left]}%
6150 }%
6151 }
6152 \newcommand{\biditytfloat@float@fullwidth}[3][0pt]{%
6153     \ifthenelse{\equal{\floatalignment}{b}}%
6154         {% place caption above figure
6155             \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}
6156             {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\biditytfloat@float@debug}
6157             {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\biditytfloat@float@debug}
6158         }% place caption below figure
6159         \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}

```




```

6160         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug
6161         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug
6162     }%
6163 }
6164 \renewenvironment{figure}[1][htbp]%
6165   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
6166   {\end{@biditytfloat@float}}
6167 \renewenvironment{table}[1][htbp]
6168   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
6169   {\end{@biditytfloat@float}}
6170 \renewenvironment{figure*}[1][htbp]%
6171   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
6172   {\end{@biditytfloat@float}}
6173 \renewenvironment{table*}[1][htbp]%
6174   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
6175   {\end{@biditytfloat@float}}
6176 \newenvironment{fullwidth}
6177   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
6178     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}%
6179     {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
6180   }%
6181   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
6182     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}%
6183     {\end{adjustwidth}}}%
6184 }
6185 \long\def\@caption#1[#2]#3{%
6186   \par%
6187   \addcontentsline{\csname ext@#1\endcsname}{#1}%
6188     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
6189   \begingroup%
6190     \@parboxrestore%
6191     \if@minipage%
6192       \@setminipage%
6193     \fi%
6194     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
6195     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
6196     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
6197   \endgroup}
6198 %%
6199 % Turns newlines into spaces. Based on code from the 'titlesec' package.
6200 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
6201   \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
6202 }
6203 \def\@biditytfloat@newlinetospace@i{%
6204   \ifdim\lastskip>\z@ \else\space\fi
6205   \ignorespaces%
6206 }
6207 \DeclareRobustCommand{\newlinetospace}[1]{%
6208   \let\@biditytfloat@orig@cr\% save the original meaning of \
6209   \def\@biditytfloat@newlinetospace{% turn \ and \* into \space
6210     \let\newline\% turn \newline into \space
6211     #1%
6212     \let\@biditytfloat@orig@cr\% revert to original meaning of \
6213 }

```



```

6214 \RequirePackage{fancyhdr}
6215 \pagestyle{fancy}
6216 \AtBeginDocument{%
6217   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
6218     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
6219     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
6220 }
6221 % The running heads/feet don't have rules
6222 \renewcommand{\headrulewidth}{0pt}
6223 \renewcommand{\footrulewidth}{0pt}
6224 % The 'fancy' page style is the default style for all pages.
6225 \fancyhf{} % clear header and footer fields
6226   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
6227     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
6228     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
6229     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
6230 % The 'plain' page style is used on chapter opening pages.
6231 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
6232 % bottom of pages -- the folios are unexpressed.
6233 \fancypagestyle{plain}{
6234   \fancyhf{} % clear header and footer fields
6235   % Uncomment the following five lines of code if you want the opening page
6236   % of the chapter to express the folio in the lower outside corner.
6237   % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
6238   %   {\fancyfoot[LE,RO]{\thepage}}
6239   %   {\fancyfoot[RE,RO]{\thepage}}
6240 }
6241 % The 'empty' page style suppresses all headers and footers.
6242 % It's used on title pages and 'intentionally blank' pages.
6243 \fancypagestyle{empty}{
6244   \fancyhf{} % clear header and footer fields
6245 }
6246 \def\morefloats{% provides a total of 52 floats
6247   \ifthenelse{\isundefined{\bx@S}}{%
6248     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
6249     \newinsert\bx@S
6250     \newinsert\bx@T
6251     \newinsert\bx@U
6252     \newinsert\bx@V
6253     \newinsert\bx@W
6254     \newinsert\bx@X
6255     \newinsert\bx@Y
6256     \newinsert\bx@Z
6257     \newinsert\bx@a
6258     \newinsert\bx@b
6259     \newinsert\bx@c
6260     \newinsert\bx@d
6261     \newinsert\bx@e
6262     \newinsert\bx@f
6263     \newinsert\bx@g
6264     \newinsert\bx@h
6265     \newinsert\bx@i
6266     \newinsert\bx@j
6267     \newinsert\bx@k

```



```

6268 \newinsert\bx@l
6269 \newinsert\bx@m
6270 \newinsert\bx@n
6271 \newinsert\bx@o
6272 \newinsert\bx@p
6273 \newinsert\bx@q
6274 \newinsert\bx@r
6275 \newinsert\bx@s
6276 \newinsert\bx@t
6277 \newinsert\bx@u
6278 \newinsert\bx@v
6279 \newinsert\bx@w
6280 \newinsert\bx@x
6281 \newinsert\bx@y
6282 \newinsert\bx@z
6283 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
6284 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
6285 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
6286 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
6287 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
6288 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
6289 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
6290 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
6291 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
6292 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
6293 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
6294 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
6295 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
6296 \ifthenelse{\isundefined{\bx@AA}}{%
6297 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
6298 \newinsert\bx@AA
6299 \newinsert\bx@BB
6300 \newinsert\bx@CC
6301 \newinsert\bx@DD
6302 \newinsert\bx@EE
6303 \newinsert\bx@FF
6304 \newinsert\bx@GG
6305 \newinsert\bx@HH
6306 \newinsert\bx@II
6307 \newinsert\bx@JJ
6308 \newinsert\bx@KK
6309 \newinsert\bx@LL
6310 \newinsert\bx@MM
6311 \newinsert\bx@NN
6312 \newinsert\bx@OO
6313 \newinsert\bx@PP
6314 \newinsert\bx@QQ
6315 \newinsert\bx@RR
6316 \newinsert\bx@SS
6317 \newinsert\bx@TT
6318 \newinsert\bx@UU
6319 \newinsert\bx@VV
6320 \newinsert\bx@WW
6321 \newinsert\bx@XX

```



```

6322 \newinsert\bx@YY
6323 \newinsert\bx@ZZ
6324 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
6325 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
6326 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
6327 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
6328 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
6329 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
6330 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
6331 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
6332 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
6333 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
6334 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
6335 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
6336 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
6337 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
6338 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
6339 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
6340 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
6341 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
6342 }{%
6343 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
6344 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
6345 }%
6346 }%
6347 }
6348 \newboolean{@biditytfloat@packages@subfigure}
6349 \setboolean{@biditytfloat@packages@subfigure}{false}
6350 \AtBeginDocument{%
6351 \ifpackageloaded{subfigure}
6352 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
6353 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
6354 }
6355 \AtBeginDocument{%
6356 \ifpackageloaded{float}{%
6357 % Save the redefined float environment (instead of the LaTeX float environment)
6358 \let\@biditytfloat@orig@float\float
6359 \let\@biditytfloat@orig@endfloat\endfloat
6360
6361 % Define Tufteian float styles (with the caption in the margin)
6362 \newcommand{\floatc@biditytfloatplain}[2]{%
6363 \begin{lrbox}{\@biditytfloat@caption@box}%
6364 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
6365 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
6366 \end{minipage}%
6367 \end{lrbox}%
6368 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
6369 }
6370 \newcommand{\fs@biditytfloatplain}{%
6371 \def\@fs@cfont{\@biditytfloat@caption@font}%
6372 \let\@fs@capt\floatc@biditytfloatplain%
6373 \def\@fs@pre{}%
6374 \def\@fs@post{}%
6375 \def\@fs@mid{}%

```



```

6376     \let\@fs@iftopcapt\iftrue%
6377   }
6378   \let\fs@bidituftefloatplaintop=\fs@bidituftefloatplain
6379   \let\floatc@bidituftefloatplaintop=\floatc@bidituftefloatplain
6380   \newcommand\floatc@bidituftefloatruled[2]{%
6381     {\@fs@cfont #1} #2\par%
6382   }
6383   \newcommand\fs@bidituftefloatruled{%
6384     \def\@fs@cfont{\@bidituftefloat@caption@font}%
6385     \let\@fs@capt\floatc@bidituftefloatplain%
6386     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
6387     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
6388     \def\@fs@mid{}%
6389     \let\@fs@iftopcapt\iftrue%
6390   }
6391   \newcommand\fs@bidituftefloatboxed{%
6392     \def\@fs@cfont{}%
6393     \let\@fs@capt\floatc@bidituftefloatplain%
6394     \def\@fs@pre{%
6395       \setbox\@currbox\vbox{\hbadness10000
6396       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
6397       \hrule \hbox to\hsize{\vrule\kern3pt
6398       \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
6399     }%
6400     \def\@fs@mid{\kern2pt}%
6401     \def\@fs@post{}%
6402     \let\@fs@iftopcapt\iftrue%
6403   }
6404   }{%
6405     % Nothing to do
6406   }
6407 }
6408 \AtBeginDocument{%
6409   \@ifpackageloaded{algorithm}{%
6410     % Set the float style to the Tufte version
6411     \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{boxed}}{}{
6412       \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to bidituftefloat}%
6413       \floatstyle{bidituftefloat\ALG@floatstyle}%
6414       \restylefloat{algorithm}%
6415     }{}%
6416   }{%
6417     % Nothing to do
6418   }
6419 }
6420 \PassOptionsToPackage{caption=false}{subfig}

```

37 File bidituftesidenote.sty

```

6421 \NeedsTeXFormat{LaTeX2e}
6422 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
6423 bidi implementation of tufte sidenote]
6424 \RequirePackage{xifthen}
6425 \RequirePackage{ragged2e}
6426 \RequirePackage{setspace}

```



```

6427 \RequirePackage{bidiutils}
6428 \def\bidituftesidenotemarginpar{%
6429   \ifhmode
6430     \@bsphack
6431     \@floatpenalty -\@Mii
6432   \else
6433     \@floatpenalty-\@Miii
6434   \fi
6435   \ifinner
6436     \@parmoderr
6437     \@floatpenalty\z@
6438   \else
6439     \@next\@currbox\@freelist{}\{}%
6440     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6441     {\@floatpenalty\z@
6442       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
6443   \fi
6444   \@ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar]
6445 \long\def\@bidituftesidenotexmpar[#1]#2{%
6446   \@bidituftesidenotesavemarbox\@marbox{#1}%
6447   \@bidituftesidenotesavemarbox\@currbox{#2}%
6448   \@xympar}
6449 \long\def\@bidituftesidenoteympar#1{%
6450   \@bidituftesidenotesavemarbox\@marbox{#1}%
6451   \global\setbox\@currbox\copy\@marbox
6452   \@xympar}
6453 \long\def \@bidituftesidenotesavemarbox #1#2{%
6454   \global\setbox #1%
6455     \color@vbox
6456     \vtop{%
6457       \hsize\marginparwidth
6458       \@parboxrestore
6459       \@bidituftesidenotemarginparreset
6460       #2%
6461       \@minipagefalse
6462       \outer@nobreak
6463     }%
6464   \color@endbox
6465 }
6466 \def \@bidituftesidenotemarginparreset {%
6467   \reset@font
6468   \normalsize
6469   \@minipagetrue
6470   \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
6471 }
6472 \def\LTRbidituftesidenotemarginpar{%
6473   \ifhmode
6474     \@bsphack
6475     \@floatpenalty -\@Mii
6476   \else
6477     \@floatpenalty-\@Miii
6478   \fi
6479   \ifinner
6480     \@parmoderr

```



```

6481 \floatpenalty\z@
6482 \else
6483 \@next\@currbox\@freelist{}\{}%
6484 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6485 {\floatpenalty\z@
6486 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6487 \fi
6488 \ifnextchar [\@LTRbiditytesidenotexmpar\@LTRbiditytesidenoteympar}
6489 \long\def\@LTRbiditytesidenotexmpar[#1]#2{%
6490 \@LTRbiditytesidenotesavemarbox\@marbox{#1}%
6491 \@LTRbiditytesidenotesavemarbox\@currbox{#2}%
6492 \xympar}
6493 \long\def\@LTRbiditytesidenoteympar#1{%
6494 \@LTRbiditytesidenotesavemarbox\@marbox{#1}%
6495 \global\setbox\@currbox\copy\@marbox
6496 \xympar}
6497 \long\def \@LTRbiditytesidenotesavemarbox #1#2{%
6498 \global\setbox #1%
6499 \color@vbox
6500 \vtop{%
6501 \hsize\marginparwidth
6502 \@parboxrestore
6503 \@LTRbiditytesidenotemarginparreset
6504 #2%
6505 \@minipagefalse
6506 \outer@nobreak
6507 }%
6508 \color@endbox
6509 }
6510 \def \@LTRbiditytesidenotemarginparreset {%
6511 \reset@font
6512 \normalsize
6513 \@minipagetrue
6514 \everypar{\@minipagefalse\everypar{}\beginL}%
6515 }
6516 \def\RTLbiditytesidenotemarginpar{%
6517 \ifhmode
6518 \@bsphack
6519 \floatpenalty -\@Mii
6520 \else
6521 \floatpenalty-\@Miii
6522 \fi
6523 \ifinner
6524 \@parmoderr
6525 \floatpenalty\z@
6526 \else
6527 \@next\@currbox\@freelist{}\{}%
6528 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6529 {\floatpenalty\z@
6530 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
6531 \fi
6532 \ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
6533 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
6534 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%

```



```

6535 \RTLbidityftesidenotesavemarbox\@currbox{#2}%
6536 \@xympar}
6537 \long\def\RTLbidityftesidenoteympar#1{%
6538 \RTLbidityftesidenotesavemarbox\@marbox{#1}%
6539 \global\setbox\@currbox\copy\@marbox
6540 \@xympar}
6541 \long\def \RTLbidityftesidenotesavemarbox #1#2{%
6542 \global\setbox #1%
6543 \color@vbox
6544 \vtop{%
6545 \hsize\marginparwidth
6546 \@parboxrestore
6547 \RTLbidityftesidenotemarginparreset
6548 #2%
6549 \@minipagefalse
6550 \outer@nobreak
6551 }%
6552 \color@endbox
6553 }
6554 \def \RTLbidityftesidenotemarginparreset {%
6555 \reset@font
6556 \normalsize
6557 \@minipagetrue
6558 \everypar{\@minipagefalse\everypar{}\beginR}%
6559 }
6560 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
6561 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
6562 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
6563 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
6564 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
6565 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
6566 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
6567 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
6568 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
6569 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
6570 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
6571 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
6572 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
6573 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
6574 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
6575 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
6576 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
6577 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
6578 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
6579 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
6580 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
6581 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
6582 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
6583 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
6584 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
6585 \newcommand{\@bidityftesidenote@margin@par}{%
6586 \setlength{\RaggedRightParindent}{0.5pc}%
6587 \setlength{\JustifyingParindent}{0.5pc}%
6588 \setlength{\parindent}{0.5pc}%

```




```

6589 \setlength{\parskip}{0pt}%
6590 }
6591 %%
6592 % Globally sets the length
6593 \@ifundefined{gsetlength}{%
6594 \newcommand*{gsetlength}[2]{%
6595 \setlength{#1}{#2}%
6596 \global#1=#1\relax%
6597 }%
6598 }{}
6599
6600 %%
6601 % A function that removes leading and trailing spaces from the supplied macro.
6602 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
6603 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
6604 % being trimmed of leading and trailing white space.
6605 \catcode\Q=3
6606 \def\@bidityftesidenote@trim@spaces#1{%
6607 % Use grouping to emulate a multi-token afterassignment queue
6608 \begingroup%
6609 % Put \toks 0 {' into the afterassignment queue
6610 \aftergroup\toks\aftergroup0\aftergroup{%
6611 % Apply \trimb to the replacement text of #1, adding a leading
6612 % \noexpand to prevent brace stripping and to serve another purpose
6613 % later.
6614 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q}%
6615 % Transfer the trimmed text back into #1.
6616 \edef#1{\the\toks0}%
6617 }
6618 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
6619 % clean up any leftover bizarre Qs, and trim a leading space. In
6620 % order for \trimc to work properly we need to put back a Q first.
6621 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
6622 % Execute \vfuzz assignment to remove leading space; the \noexpand
6623 % will now prevent unwanted expansion of a macro or other expandable
6624 % token at the beginning of the trimmed text. The \endgroup will feed
6625 % in the \aftergroup tokens after the \vfuzz assignment is completed.
6626 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
6627 \catcode\Q=11
6628 %%
6629 % Citations should go in the margin as sidenotes
6630
6631 \RequirePackage{natbib}
6632 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
6633 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
6634 \renewcommand\BR@b@bibitem[2][{}]{%
6635 \ifthenelse{\isempty{#1}}{%
6636 {\BR@bibitem{#2}}%
6637 {\BR@bibitem{#1}{#2}}%
6638 \BR@c@bibitem{#2}}%
6639 }
6640 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
6641 %%
6642 % Normal \cite behavior

```



```

6643 \newcounter{@bidituftesidenote@num@bibkeys}%
6644 \newcommand{\@bidituftesidenote@normal@cite}[2][Opt]{%
6645 % Snag the last bibentry in the list for later comparison
6646 \let\@temp@last@bibkey\@empty%
6647 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6648 \sidenote[][#1]{%
6649 % Loop through all the bibentries, separating them with semicolons and spaces
6650 \normalsize\normalfont\@bidituftesidenote@citation@font%
6651 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
6652 \@for\@temp@bibkeyx:=#2\do{%
6653 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6654 {\ifthenelse{\equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
6655 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6656 \bibentry{\@temp@bibkeyx}}%
6657 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6658 \bibentry{\@temp@bibkeyx};\ }%
6659 \stepcounter{@bidituftesidenote@num@bibkeys}%
6660 }%
6661 }%
6662 }
6663 \newcommand{\@bidituftelTRsidenote@normal@cite}[2][Opt]{%
6664 % Snag the last bibentry in the list for later comparison
6665 \let\@temp@last@bibkey\@empty%
6666 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6667 \LTRsidenote[][#1]{%
6668 % Loop through all the bibentries, separating them with semicolons and spaces
6669 \normalsize\normalfont\@bidituftesidenote@LTRcitation@font%
6670 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
6671 \@for\@temp@bibkeyx:=#2\do{%
6672 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6673 {\ifthenelse{\equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
6674 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6675 \bibentry{\@temp@bibkeyx}}%
6676 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6677 \bibentry{\@temp@bibkeyx};\ }%
6678 \stepcounter{@bidituftesidenote@num@bibkeys}%
6679 }%
6680 }%
6681 }
6682 \newcommand{\@biditufterTLsidenote@normal@cite}[2][Opt]{%
6683 % Snag the last bibentry in the list for later comparison
6684 \let\@temp@last@bibkey\@empty%
6685 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
6686 \RTLsidenote[][#1]{%
6687 % Loop through all the bibentries, separating them with semicolons and spaces
6688 \normalsize\normalfont\@bidituftesidenote@citation@font%
6689 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
6690 \@for\@temp@bibkeyx:=#2\do{%
6691 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6692 {\ifthenelse{\equal{value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
6693 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6694 \bibentry{\@temp@bibkeyx}}%
6695 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6696 \bibentry{\@temp@bibkeyx};\ }%

```



```

6697     \stepcounter{@bidituftesidenote@num@bibkeys}%
6698   }%
6699 }%
6700 }
6701 %%
6702 % Macros for holding the list of cite keys until after the \sidenote
6703 \gdef\@bidituftesidenote@citations{}% list of cite keys
6704 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
6705   \ifx\@bidituftesidenote@citations\@empty\else
6706     \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
6707   \fi
6708   \g@addto@macro\@bidituftesidenote@citations{#1}
6709 }
6710 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
6711   % Snag the last bibentry in the list for later comparison
6712   \let\@temp@last@bibkey\@empty%
6713   \@for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
6714   \marginpar{%
6715     \hbox{}\vspace*{#1}%
6716     \@bidituftesidenote@citation@font%
6717     \@bidituftesidenote@citation@justification%
6718     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
6719     \vspace*{-1\baselineskip}%
6720     % Loop through all the bibentries, separating them with semicolons and spaces
6721     \setcounter{@bidituftesidenote@num@bibkeys}{0}%
6722     \@for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
6723       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
6724         {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\{and\ }%
6725           \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6726           \bibentry{\@temp@bibkeyx}}%
6727         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
6728           \bibentry{\@temp@bibkeyx};\ }%
6729       \stepcounter{@bidituftesidenote@num@bibkeys}%
6730     }%
6731   }%
6732 }
6733 %%
6734 % \cite behavior when executed within a sidenote
6735 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
6736 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
6737   \@bidituftesidenote@add@citation{#1}
6738 }
6739 %%
6740 % Set the default \cite style. This is set and reset by the \sidenote command.
6741 \let\cite\@bidituftesidenote@normal@cite
6742 \let\LTRcite\@bidituftesidenote@normal@cite
6743 \let\RTLcite\@bidituftesidenote@normal@cite
6744 %%
6745 % Transform existing \footnotes into \sidenotes
6746 % Sidenote: ``Where God meant footnotes to go.''' ---bidituftesidenote
6747 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
6748 \providecommand{\footnotelayout}{\@bidituftesidenote@sidenote@font\@bidituftesidenote@sidenote
6749 \renewcommand{\footnotelayout}{\@bidituftesidenote@sidenote@font\@bidituftesidenote@sidenote
6750 % Override footmisc's definition to set the sidenote marks (numbers) inside the

```



```

6751 % sidenote's text block.
6752 \bidi@patch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bidityftesidenote
6753 % Set the in-text footnote mark in the same typeface as the body text itself.
6754 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
6755 \providecommand*\multiplefootnotemarker}{3sp}
6756 \providecommand*\multfootsep}{,}
6757 \bidi@patch@AfterPackage{bidi}{%
6758 \renewcommand{\@footnotemark}{%
6759 \leavevmode%
6760 \ifhmode%
6761 \edef\@x@sf{\the\spacefactor}%
6762 \@bidityftesidenote@check@multiple@sidenotes%
6763 \nobreak%
6764 \fi%
6765 \@makefnmark%
6766 \ifhmode\spacefactor\@x@sf\fi%
6767 \relax%
6768 }%
6769 }
6770 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
6771 \ifdim\lastkern=\multiplefootnotemarker\relax%
6772 \edef\@x@sf{\the\spacefactor}%
6773 \unkern%
6774 \textsuperscript{\multfootsep}%
6775 \spacefactor\@x@sf\relax%
6776 \fi
6777 }
6778 \bidi@patch@AfterPackage{bidi}{%
6779 \renewcommand\@footnotetext[2][0pt]{%
6780 \bidityftesidenotemarginpar{%
6781 \hbox{} \vspace*{#1}%
6782 \def\baselinestretch {\setspace@singlespace}%
6783 \reset@font%
6784 \bidi@@footnotetext@font% \reset@font\footnotesize%
6785 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6786 \vspace*{-1\baselineskip}\noindent%
6787 \protected@edef\@currentlabel{%
6788 \csname p@footnote\endcsname\@thefnmark%
6789 }%
6790 \color@begingroup%
6791 \@makefntext{%
6792 \ignorespaces#2%
6793 }%
6794 \color@endgroup%
6795 }%
6796 }%
6797 \renewcommand\@LTRfootnotetext[2][0pt]{%
6798 \LTRbidityftesidenotemarginpar{%
6799 \hbox{} \vspace*{#1}%
6800 \def\baselinestretch {\setspace@singlespace}%
6801 \reset@font%
6802 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
6803 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6804 \vspace*{-1\baselineskip}\noindent%

```



```

6805 \protected@edef\@currentlabel{%
6806 \csname p@footnote\endcsname\@thefnmark%
6807 }%
6808 \color@begingroup%
6809 \makefnint{%
6810 \ignorespaces#2%
6811 }%
6812 \color@endgroup%
6813 }%
6814 }%
6815 \renewcommand\@RTLfootnotetext[2][0pt]{%
6816 \RTLbidityftesidenotemarginpar{%
6817 \hbox{}\vspace*{#1}%
6818 \def\baselinestretch {\setspace@singlespace}%
6819 \reset@font%
6820 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
6821 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
6822 \vspace*{-1\baselineskip}\noindent%
6823 \protected@edef\@currentlabel{%
6824 \csname p@footnote\endcsname\@thefnmark%
6825 }%
6826 \color@begingroup%
6827 \makefnint{%
6828 \ignorespaces#2%
6829 }%
6830 \color@endgroup%
6831 }%
6832 }%
6833 }
6834 %
6835 % Define \sidenote command. Can handle \cite.
6836 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
6837 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
6838 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
6839 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
6840 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6841 \gdef\@bidityftesidenote@citations{}% clear out any old citations
6842 \ifthenelse{\NOT\isempty{#2}}{%
6843 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6844 }{%
6845 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6846 }%
6847 \ifthenelse{\isempty{#1}}{%
6848 % no specific footnote number provided
6849 \stepcounter\@mpfn%
6850 \protected@xdef\@thefnmark{\thempfn}%
6851 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6852 }{%
6853 % specific footnote number provided
6854 \begingroup%
6855 \csname c@\@mpfn\endcsname #1\relax%
6856 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6857 \endgroup%
6858 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%

```



```

6859 }%
6860 \@bidityftesidenote@print@citations%          print any citations
6861 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6862 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6863 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6864 \unskip\ignorespaces%                          remove extra white space
6865 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
6866 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6867 }
6868 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
6869 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6870 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
6871 \ifthenelse{\NOT\isempty{#2}}{%
6872 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6873 }{%
6874 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6875 }%
6876 \ifthenelse{\isempty{#1}}{%
6877 % no specific footnote number provided
6878 \stepcounter\@mpfn%
6879 \protected@xdef\@thefnmark{\thempfn}%
6880 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6881 }{%
6882 % specific footnote number provided
6883 \begingroup%
6884 \csname c@\@mpfn\endcsname #1\relax%
6885 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6886 \endgroup%
6887 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6888 }%
6889 \@bidityftesidenote@print@citations%          print any citations
6890 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
6891 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6892 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
6893 \unskip\ignorespaces%                          remove extra white space
6894 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
6895 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6896 }
6897 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
6898 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6899 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
6900 \ifthenelse{\NOT\isempty{#2}}{%
6901 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
6902 }{%
6903 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
6904 }%
6905 \ifthenelse{\isempty{#1}}{%
6906 % no specific footnote number provided
6907 \stepcounter\@mpfn%
6908 \protected@xdef\@thefnmark{\thempfn}%
6909 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6910 }{%
6911 % specific footnote number provided
6912 \begingroup%

```



```

6913 \csname c@%mpfn\endcsname #1\relax%
6914 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6915 \endgroup%
6916 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
6917 }%
6918 \@bidityftesidenote@print@citations% print any citations
6919 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
6920 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6921 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
6922 \unskip\ignorespaces% remove extra white space
6923 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
6924 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
6925 }
6926 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
6927 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
6928 \newcommand{\RTLSidenote}{\optparams{\@RTLBidityftesidenote@sidenote}{[] [Opt]}}
6929 \bidi@patch@AfterPackage{bidi}{%
6930 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
6931 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
6932 \renewcommand{\RTLfootnote}{\optparams{\@RTLBidityftesidenote@sidenote}{[] [Opt]}}%
6933 }
6934 %%
6935 % Sidenote without the footnote mark
6936 \newcommand\marginnote[2] [Opt]{%
6937 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6938 \gdef\@bidityftesidenote@citations{}% clear out any old citations
6939 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidity
6940 \@bidityftesidenote@print@citations% print any citations
6941 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
6942 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6943 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
6944 }
6945 \newcommand\LTRmarginnote[2] [Opt]{%
6946 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6947 \gdef\@bidityftesidenote@citations{}% clear out any old citations
6948 \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@
6949 \@bidityftesidenote@print@citations% print any citations
6950 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
6951 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6952 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
6953 }
6954 \newcommand\RTLMarginnote[2] [Opt]{%
6955 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
6956 \gdef\@bidityftesidenote@citations{}% clear out any old citations
6957 \RTLBidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@
6958 \@bidityftesidenote@print@citations% print any citations
6959 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
6960 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
6961 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTL
6962 }

```

38 File bidityftetoc.sty

```

6963 \NeedsTeXFormat{LaTeX2e}

```




```

6964 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
6965 bidi implementation of tuftte toc]
6966 \RequirePackage{titlesec,titletoc,xifthen,biditools}
6967 \newcommand{\@bidituftetoc@pkgname}{bidituftetoc}
6968 \newcommand{\@bidituftetocError}[2]{\PackageError{\@bidituftetoc@pkgname}{#1}{#2}}
6969 %%
6970 % Turn off section numbering
6971 \setcounter{secnumdepth}{-1}
6972 \newboolean{@bidituftetoc@toc}
6973 \setboolean{@bidituftetoc@toc}{true}
6974 \DeclareOption{notoc}{\setboolean{@bidituftetoc@toc}{false}}
6975 \DeclareOption{toc}{\setboolean{@bidituftetoc@toc}{true}}
6976 \ProcessOptions
6977 %%
6978 % Make Tufte-style section headings and TOC formatting
6979 \bidi@patch@AfterPackage{bidi}{%
6980 \titleformat{\chapter}%
6981 [display]% shape
6982 {\relax\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\begin{fullwidth}}{}}% format
6983 {\itshape\huge\thechapter}% label
6984 {0pt}% horizontal separation between label and title body
6985 {\huge\rmfamily\itshape}% before the title body
6986 [\ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
6987 \titleformat{\section}%
6988 [hang]% shape
6989 {\normalfont\Large\itshape}% format applied to label+text
6990 {\thesection}% label
6991 {1em}% horizontal separation between label and title body
6992 {}% before the title body
6993 []% after the title body
6994 \titleformat{\subsection}%
6995 [hang]% shape
6996 {\normalfont\large\itshape}% format applied to label+text
6997 {\thesubsection}% label
6998 {1em}% horizontal separation between label and title body
6999 {}% before the title body
7000 []% after the title body
7001 \titleformat{\paragraph}%
7002 [runin]% shape
7003 {\normalfont\itshape}% format applied to label+text
7004 {\theparagraph}% label
7005 {1em}% horizontal separation between label and title body
7006 {}% before the title body
7007 []% after the title body
7008 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
7009 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
7010 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
7011 }
7012 % Subsubsection and following section headings shouldn't be used.
7013 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
7014 \renewcommand\subsubsection{%
7015 \bidituftetocError{\noexpand\subsubsection is undefined by this class.%
7016 \MessageBreak See Robert Bringhurst's _The Elements of
7017 \MessageBreak Typographic Style_, section 4.2.2.

```




```

7018 \MessageBreak \noexpand\subsubsection was used}
7019 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
7020 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
7021 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
7022 }
7023 \renewcommand\subparagraph{%
7024 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
7025 \MessageBreak See Robert Bringhurst's _The Elements of
7026 \MessageBreak Typographic Style_, section 4.2.2.
7027 \MessageBreak \noexpand\subparagraph was used}
7028 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
7029 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
7030 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
7031 }
7032 % Formatting for main TOC (printed in front matter)
7033 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
7034 \ifthenelse{\boolean{@biditytetoc@toc}}{%
7035 \bidi@patch@AfterPackage{bidi}{%
7036 \titlecontents{part}% FIXME
7037 [0em] % distance from left margin
7038 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
7039 {\contentslabel{2em}} % before w/label (label = ``II'')
7040 {} % before w/o label
7041 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7042 [\end{fullwidth}] % after
7043 \titlecontents{chapter}%
7044 [0em] % distance from left margin
7045 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
7046 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
7047 {\hspace*{0em}} % before w/o label
7048 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7049 [\end{fullwidth}] % after
7050 \titlecontents{section}% FIXME
7051 [0em] % distance from left margin
7052 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
7053 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
7054 {\hspace*{2em}} % before w/o label
7055 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7056 [\end{fullwidth}] % after
7057 \titlecontents{subsection}% FIXME
7058 [0em] % distance from left margin
7059 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
7060 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
7061 {\hspace*{4em}} % before w/o label
7062 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7063 [\end{fullwidth}] % after
7064 \titlecontents{paragraph}% FIXME
7065 [0em] % distance from left margin
7066 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
7067 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
7068 {\hspace*{6em}} % before w/o label
7069 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7070 [\end{fullwidth}] % after
7071 }%

```



```

7072 }{}
7073 %%
7074 % Format lists of figures/tables
7075 \renewcommand\listoffigures{%
7076   \@ifundefined{chapter}%
7077     {\section*{\listfigurename}}%
7078     {\chapter*{\listfigurename}}%
7079 %   \begin{fullwidth}%
7080 %     \@starttoc{lof}%
7081 %   \end{fullwidth}%
7082 }
7083 \renewcommand\listoftables{%
7084   \@ifundefined{chapter}%
7085     {\section*{\listtablename}}%
7086     {\chapter*{\listtablename}}%
7087 %   \begin{fullwidth}%
7088 %     \@starttoc{lot}%
7089 %   \end{fullwidth}%
7090 }
7091 \newcommand{\@bidityfttoc@lof@line}[2]{%
7092   % #1 is the figure/table number and its caption text
7093   % #2 is the page number on which the figure/table appears
7094   \leftskip 0.0em
7095   \rightskip 0em
7096   \parfillskip 0em plus 1fil
7097   \parindent 0.0em
7098   \@afterindenttrue
7099   \interlinepenalty\@M
7100   \leavevmode
7101   \@tempdima 2.0em
7102   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7103   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
7104   {#1}\nobreak\quad\nobreak#2%
7105   \par%
7106 }
7107 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
7108 \let\l@table\l@figure

```

39 File bidityftgeneralstructure.sty

```

7109 \NeedsTeXFormat{LaTeX2e}
7110 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
7111 bidi implementation of tufte general structure]
7112 \renewcommand\small{%
7113   \@setfontsize\small\@ixpt{12}%
7114   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
7115   \abovedisplayshortskip \z@ \@plus2\p@
7116   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
7117   \def\@listi{\leftmargin\leftmargini
7118     \topsep 4\p@ \@plus2\p@ \@minus2\p@
7119     \parsep 2\p@ \@plus\p@ \@minus\p@
7120     \itemsep \parsep}%
7121   \belowdisplayskip \abovedisplayskip
7122 }

```



```

7123 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
7124 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
7125 \renewcommand\large{\@setfontsize\large\@xipt{15}}
7126 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
7127 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
7128 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
7129 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
7130 \setlength\leftmargini {1pc}
7131 \setlength\leftmarginii {1pc}
7132 \setlength\leftmarginiii {1pc}
7133 \setlength\leftmarginiv {1pc}
7134 \setlength\leftmarginv {1pc}
7135 \setlength\leftmarginvi {1pc}
7136 \setlength\labelsep {.5pc}
7137 \setlength\labelwidth {\leftmargini}
7138 \addtolength\labelwidth{-\labelsep}
7139 \setlength{\parindent}{1.0pc}%
7140 \setlength{\parskip}{0pt}%
7141 \RequirePackage{ragged2e}
7142 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
7143 % Paragraph indentation and separation for normal text
7144 \newcommand{\@biditytgeneralstructure@reset@par}{%
7145   \setlength{\RaggedRightParindent}{1.0pc}%
7146   \setlength{\JustifyingParindent}{1.0pc}%
7147   \setlength{\parindent}{1pc}%
7148   \setlength{\parskip}{0pt}%
7149 }
7150 \@biditytgeneralstructure@reset@par
7151 % Require paralist package for tighter lists
7152 \RequirePackage{paralist}
7153 % Add rightmargin to compactenum
7154 \def\@compactenum{%
7155   \expandafter\list\csname label\@enumctr\endcsname{%
7156     \usecounter{\@enumctr}%
7157     \rightmargin=2em% added this
7158     \parsep\plparsep
7159     \itemsep\plitemsep
7160     \topsep\pltopsep
7161     \partopsep\plpartopsep
7162     \def\makelabel##1{\hss\llap{##1}}}}
7163 %%
7164 % An environment for paragraph-style section
7165 \providecommand\newthought[1]{%
7166   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
7167   \noindent\textbf{#1}%
7168 }
7169 %%
7170 % Redefine the display environments (quote, quotation, etc.)
7171 \renewenvironment{verse}
7172   {\let\\\@centercr
7173    \list{}{\itemsep \z@
7174     \itemindent -1pc%
7175     \listparindent\itemindent
7176     \rightmargin \leftmargin

```



```

7177             \advance\leftmargin 1pc}%
7178             \small%
7179             \item\relax}
7180         {\endlist}
7181 \renewenvironment{quotation}
7182     {\list{}{\listparindent 1pc%
7183             \itemindent \listparindent
7184             \rightmargin \leftmargin
7185             \parsep \z@ \@plus\p@}%
7186     \small%
7187     \item\relax\noindent\ignorespaces}
7188 {\endlist}
7189 \renewenvironment{quote}
7190     {\list{}{\rightmargin\leftmargin}%
7191     \small%
7192     \item\relax}
7193 {\endlist}
7194 % Italicize description run-in headings (instead of the default bold)
7195 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
7196 %%
7197 % Redefine \bibsection to not mark the running heads.
7198 % (Code modified from natbib.sty.)
7199 \@ifundefined{chapter}%
7200     {\renewcommand\bibsection{\section*{\refname}}}
7201     {\@ifundefined{NAT@sectionbib}%
7202     {\renewcommand\bibsection{\chapter{\bibname}}}
7203     {\renewcommand\bibsection{\section*{\bibname}}}}
7204 \RequirePackage{multicol}
7205 \renewenvironment{theindex}{%
7206 \@ifundefined{chapter}%
7207     {\section*{\indexname}}%
7208     {\chapter{\indexname}}%
7209 \begin{fullwidth}%
7210 \small%
7211 \parskip0pt%
7212 \parindent0pt%
7213 \let\item\@idxitem%
7214 \begin{multicols}{3}%
7215 }{%
7216 \end{multicols}%
7217 \end{fullwidth}%
7218 }
7219 \AtBeginDocument{%
7220 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
7221 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
7222 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
7223 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
7224 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

40 File `bidituftehyperref.sty`

```

7225 \NeedsTeXFormat{LaTeX2e}
7226 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
7227 bidi implementation of tufte hyperref]

```



```

7228 %%
7229 % Color
7230 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
7231 \newboolean{@biditytfttehyperref@loadhyper}
7232 \setboolean{@biditytfttehyperref@loadhyper}{true}
7233 \DeclareOption{hyper}{\setboolean{@biditytfttehyperref@loadhyper}{true}}
7234 \DeclareOption{nohyper}{\setboolean{@biditytfttehyperref@loadhyper}{false}}
7235 \ProcessOptions
7236 %% Loads the hyperref package and sets some default options.
7237 \newcommand{\biditytfttehyperrefLoadHyperref}{%
7238 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
7239 \hypersetup{%
7240     bookmarksdepth = section,
7241     citecolor = DarkGreen,
7242     linkcolor = DarkBlue,
7243     pagecolor = DarkBlue,
7244     urlcolor = DarkGreen,
7245 }%
7246 }
7247 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
7248 \biditytfttehyperrefLoadHyperref%
7249 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
7250 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
7251 }

```

41 File biditytfttetitle.sty

```

7252 \NeedsTeXFormat{LaTeX2e}
7253 \ProvidesPackage{biditytfttetitle}[2011/06/18 v0.1
7254 bidi implementation of tufte title]
7255 \RequirePackage{biditytools}
7256 %%
7257 % `titlepage' option -- creates a full title page with \maketitle
7258 \newboolean{@biditytfttetitle@titlepage}
7259 \DeclareOption{titlepage}{\setboolean{@biditytfttetitle@titlepage}{true}}
7260 \DeclareOption{notitlepage}{\setboolean{@biditytfttetitle@titlepage}{false}}
7261 % Default `book' and `handout' options
7262 \ifclassloaded{book}{%
7263 \ExecuteOptions{titlepage}}{%
7264 \ifclassloaded{article}{%
7265 \ExecuteOptions{notitlepage}}%
7266 {}
7267 \ProcessOptions
7268 %%
7269 % Modified \title, \author, and \date commands. These store the
7270 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
7271 \newcommand{\plaintitle}{}% plain-text-only title
7272 \newcommand{\plainauthor}{}% plain-text-only author
7273 \newcommand{\plainpublisher}{}% plain-text-only publisher
7274 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
7275 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
7276 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
7277 \newcommand{\@publisher}{}% full publisher with \thanks{}
7278 \newcommand{\thedata}{\today}

```



```

7279 \bidi@patch@AfterPackage{bidi}{%
7280 \renewcommand{\thanks}[1]{\footnote{#1}}
7281 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
7282 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
7283 }
7284 \renewcommand{\title}[2][{}]{%
7285   \gdef\@title{#2}%
7286   \begingroup%
7287     % TODO store contents of \thanks command
7288     \renewcommand{\thanks}[1]{}% swallow \thanks contents
7289     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7290     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7291     \protected@xdef\thanklesstitle{#2}%
7292   \endgroup%
7293   \ifthenelse{\isempty{#1}}{%
7294     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
7295     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
7296   \@ifundefined{hypersetup}%
7297     {}% hyperref is not loaded; do nothing
7298     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
7299 }
7300 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
7301 \renewcommand{\author}[2][{}]{%
7302   \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
7303   \begingroup%
7304     % TODO store contents of \thanks command
7305     \renewcommand{\thanks}[1]{}% swallow \thanks contents
7306     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7307     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7308     \protected@xdef\thanklessauthor{#2}%
7309   \endgroup%
7310   \ifthenelse{\isempty{#1}}{%
7311     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
7312     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
7313   \@ifundefined{hypersetup}%
7314     {}% hyperref is not loaded; do nothing
7315     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
7316 }
7317 \renewcommand{\date}[1]{%
7318   \gdef\@date{#1}%
7319   \begingroup%
7320     % TODO store contents of \thanks command
7321     \renewcommand{\thanks}[1]{}% swallow \thanks contents
7322     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7323     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7324     \protected@xdef\thedata{#1}%
7325   \endgroup%
7326 }
7327 %%
7328 % Provides a \publisher command to set the publisher
7329 \newcommand{\publisher}[2][{}]{%
7330   \gdef\@publisher{#2}%
7331   \begingroup%
7332     \renewcommand{\thanks}[1]{}% swallow \thanks contents

```



```

7333 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7334 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7335 \protected@xdef\thanklesspublisher{#2}%
7336 \endgroup%
7337 \ifthenelse{\isempty{#1}}{
7338   {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
7339   {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
7340 }
7341 %%
7342 % Produces a full title page
7343 \newcommand{\maketitlepage}[0]{%
7344   \cleardoublepage%
7345   {%
7346     \bfseries%
7347     \begin{fullwidth}%
7348       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
7349       \vspace{11.5pc}%
7350       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
7351       \vfill%
7352       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
7353     \end{fullwidth}%
7354   }
7355   \thispagestyle{empty}%
7356   \clearpage%
7357 }
7358 %%
7359 % Title block
7360 \bidi@AfterEndPreamble{%
7361 \renewcommand{\maketitle}{%
7362   \newpage%
7363   \global\@topnum\z@% prevent floats from being placed at the top of the page
7364   \begin{group}%
7365     \setlength{\parindent}{0pt}%
7366     \setlength{\parskip}{4pt}%
7367     \let\@title\@empty%
7368     \let\@author\@empty%
7369     \let\@date\@empty%
7370     \gdef\@title{\LARGE\itshape\@title\par}%
7371     \gdef\@author{\Large\itshape\@author\par}%
7372     \gdef\@date{\Large\itshape\@date\par}%
7373     \@title%
7374     \@author%
7375     \@date%
7376   \end{group}%
7377   \thispagestyle{plain}% suppress the running head
7378 }%
7379 }
7380 %%
7381 % Title page (if the 'titlepage' option was passed to the bidentuftetitle-handout
7382 % class.)
7383 \bidi@AfterEndPreamble{%
7384 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}{
7385   {\renewcommand{\maketitle}{\maketitlepage}}
7386   {}

```



```

7387 }
7388 %%
7389 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
7390 % without headers and footers
7391 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
7392   \hbox{}
7393   %\vspace*{\fill}
7394   %\begin{center}
7395   % This page intentionally contains only this sentence.
7396   %\end{center}
7397   %\vspace{\fill}
7398   \thispagestyle{empty}
7399   \newpage
7400   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

42 File `biditufte-handout.cls`

```

7401 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
7402 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
7403 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
7404 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
7405 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
7406 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
7407 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
7408 \ProcessOptions\relax
7409 \LoadClass{article}
7410 \RequirePackage{bidituftefloat}
7411 \RequirePackage{bidituftesidenote}
7412 \RequirePackage{bidituftetoc}
7413 \RequirePackage{bidituftegeneralstructure}
7414 \RequirePackage{bidituftehyperref}
7415 \RequirePackage{bidituftetitle}
7416 \renewenvironment{abstract}
7417   {\begin{quotation}}
7418   {\end{quotation}}
7419 \AtBeginDocument{%
7420   \IfFileExists{biditufte-handout.cfg}
7421     {\input{biditufte-handout.cfg}
7422      \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
7423     {}%
7424 }

```

43 File `biditufte-book.cls`

```

7425 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
7426 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
7427 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
7428 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
7429 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
7430 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
7431 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
7432 \ProcessOptions\relax
7433 \LoadClass{book}
7434 \RequirePackage{bidituftefloat}

```




```

7435 \RequirePackage{bidiuftesidenote}
7436 \RequirePackage{bidiuftetoc}
7437 \RequirePackage{bidiuftegeneralstructure}
7438 \RequirePackage{bidiuftehyperref}
7439 \RequirePackage{bidiuftetitle}
7440 %%
7441 % Set up any book-specific stuff now
7442 %%
7443 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
7444 % to the opening page of Chapter 1. The running heads, when they appear,
7445 % contain only the (arabic) page number in the outside corner.
7446 %\newif\if@mainmatter \@mainmattertrue
7447 \renewcommand\frontmatter{%
7448   \cleardoublepage%
7449   \@mainmatterfalse%
7450   \pagenumbering{arabic}%
7451   %\pagestyle{plain}%
7452   \fancyhf{}%
7453   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
7454     {\fancyhead[LE,RO]{\thepage}}%
7455     {\fancyhead[RE,RO]{\thepage}}%
7456   }
7457 %%
7458 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
7459 % numbering---it continues where it left off in the front matter.
7460 \renewcommand\mainmatter{%
7461   \cleardoublepage%
7462   \@mainmattertrue%
7463   \fancyhf{}%
7464   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
7465     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
7466     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
7467     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
7468     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
7469   }
7470 %%
7471 % The back matter contains appendices, indices, glossaries, endnotes,
7472 % bibliographies, list of contributors, illustration credits, etc.
7473 \renewcommand\backmatter{%
7474   \if@openright%
7475     \cleardoublepage%
7476   \else%
7477     \clearpage%
7478   \fi%
7479   \@mainmatterfalse%
7480 }
7481 %%
7482 % Only show the chapter titles in the table of contents
7483 \setcounter{tocdepth}{0}
7484 \AtBeginDocument{%
7485   \IfFileExists{bidiufte-book.cfg}
7486   {\input{bidiufte-book.cfg}
7487     \ClassInfo{bidiufte-book}{Loading bidiufte-book configuration file \@gobble}}
7488   {}%

```



7489 }

44 File bidipoem.sty

```
7490 \NeedsTeXFormat{LaTeX2e}
7491 \ProvidesPackage{bidipoem}%
7492 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
7493
7494 % Usage:
7495 %
7496 % \Setversedim #1#2 % define the layout (within a group):
7497 % #1 = length of both half-verses
7498 % #2 = separation distance = length of a connection, if present
7499 % Variant:
7500 % \Setversedim #1[#2]#3 % for half-verses of unequal length
7501 % #1 = length of first (=right) half-verse
7502 % #2 = length of second (=left) half-verse
7503 % #3 = separation distance = length of a connection, if present
7504 %
7505 % \traditionalhalfverses #1#2 % typeset two separated half-verses
7506 % #1 = text of first (=right) half-verse
7507 % #2 = text of second (=left) half-verse
7508 % Variant:
7509 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
7510 % #1 = text of first (=right) half-verse
7511 % #2 = text of connection
7512 % #3 = text of second (=left) half-verse
7513 %
7514 % Alternative (if preferred):
7515 %
7516 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
7517
7518
7519 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
7520
7521 % define the layout, verses will be centered
7522
7523 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
7524 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
7525
7526 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
7527 \bidipoem@hvind \textwidth
7528 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
7529 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
7530 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@next
7531
7532 \def \bidipoem@set@verseI [#1]{% optional parameter
7533 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
7534
7535 \newcommand*{\bidipoem@set@@verse}[1]{% separation
7536 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
7537 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
7538
7539 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
```



```

7540 \ifdim Opt > \bidipoem@hvind %
7541 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
7542 \else
7543 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
7544 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
7545 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
7546 \par }
7547
7548 % macro for two half verses
7549 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
7550 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}}}%
7551 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
7552 \bidipoem@half@verses@next}
7553
7554 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
7555 \traditionalconnverses {#1}-{#2}-{#3}}
7556
7557
7558 {\catcode\^^M=\active % these lines must end with %
7559 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
7560 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
7561 {\catcode\^^M=\active % these lines must end with %
7562 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
7563 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
7564 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
7565 \def\poemmarginskip{1em plus 1fil minus 1em}
7566 \def\poemextrabaselineskip{0\baselineskip}
7567 \def\poemskip{\medskip}
7568 \newcommand{\bidipoem@openbox}{\leavevmode
7569 \hbox to.77778em{%
7570 \hfil\vrule
7571 \vbox to.675em{\hrule width.6em\vfil\hrule}%
7572 \vrule\hfil}}
7573 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
7574 \newdimen\versewidth
7575 \newtoks\bidipoem@p@ftn
7576 \def\poem@verse#1{%
7577 \ifdim\wd#1>\new@poem@width
7578 \xdef\new@poem@width{\the\wd#1}%
7579 \ifdim\new@poem@width>\poem@width
7580 \xdef\poem@width{\new@poem@width}%
7581 \global\let\poem@needrun\relax
7582 \fi
7583 \fi
7584 \hbox to\poem@width{\unhbox#1}%
7585 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
7586 }
7587 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
7588 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
7589 \def\poem@lineversesep{%
7590 \nobreak
7591 \hskip\z@ plus 1filll%
7592 \penalty600%
7593 \hskip\poemcolsepskip

```



```

7594 \hskip\z@ plus -2filll%
7595 \vadjust{}%
7596 \nobreak
7597 \hskip\z@ plus 1filll%
7598 }
7599 \def\poem@lineparsebegin{%
7600 \halign\bgroup
7601 \global\setbox\verse@i=\hbox{%
7602 \let\@footnotetext\bidipoem@p@ftntext%
7603 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7604 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7605 \let\@xfootnotenext\bidipoem@p@xftntext%
7606 \let\@xfootnote\bidipoem@p@xfootnote%
7607 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7608 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7609 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7610 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7611 \ignorespaces##\unskip}&&
7612 \global\setbox\verse@ii=\hbox{%
7613 \let\@footnotetext\bidipoem@p@ftntext%
7614 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7615 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7616 \let\@xfootnotenext\bidipoem@p@xftntext%
7617 \let\@xfootnote\bidipoem@p@xfootnote%
7618 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7619 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7620 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7621 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7622 \ignorespaces##\unskip}
7623 \cr
7624 }
7625 \def\poem@lineparseend{%
7626 \crr\egroup
7627 \vskip-\baselineskip
7628 }
7629 \def\traditionalpoem@cr{%
7630 \cr\poem@line
7631 }
7632 \newbox\verse@i
7633 \newbox\verse@ii
7634 \newif\ifpoem@started
7635
7636 \def\poem@line{%
7637 \poem@lineparseend
7638 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
7639 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
7640 \ifpoem@started
7641 \ifdim\wd\verse@ii>\z@\else
7642 \nopagebreak[3]
7643 \fi
7644 \leavevmode
7645 \poem@linebegin
7646 \poem@verse\verse@i
7647 \ifdim\wd\verse@ii>\z@

```



```

7648 \poem@lineversesep
7649 \poem@verse\verse@ii
7650 \fi
7651 \poem@lineend
7652 % \nopagebreak
7653 \par
7654 \vskip\poemextrabaseskip
7655 \fi
7656 \poem@lineparsebegin
7657 }
7658 \def\@traditionalpoem{%
7659 \stepcounter{poem@no}
7660 \ifnum\max@poem@no<\number\c@poem@no%
7661 \xdef\poem@width{\z@}%
7662 \else
7663 \xdef\poem@width{\poem@prop{poem@width}}%
7664 \fi
7665 \xdef\new@poem@width{\z@}%
7666 \global\versewidth=\poem@width
7667 \poemskip\par
7668 \begingroup
7669 \tabskip=\z@
7670 \parskip=\z@
7671 \parindent=\z@
7672 \parfillskip=\z@
7673 \rightskip=\z@
7674 \leftskip=\z@
7675 \widowpenalty=10000% No break between verses of the same line.
7676 \clubpenalty=10000% Same as above. Not really needed.
7677 \def\newblock{\hfil\poemblocksep\hfil\null}%
7678 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
7679 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
7680 \global\poem@startedfalse
7681 \csname poem@obeylines\endcsname
7682 \let\poem@obeylines\relax
7683 \poem@lineparsebegin
7684 }
7685 \def\@endtraditionalpoem{%
7686 \cr
7687 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
7688 \noalign{%
7689 \skip0=\poemextrabaseskip
7690 \vskip-\skip0
7691 \vskip-\baseskip
7692 }%
7693 \fi\fi
7694 \poem@lineparseend
7695 \endgroup
7696 \par
7697 \vskip\baseskip
7698 \poemskip
7699 \ifdim\new@poem@width<\poem@width
7700 \global\let\poem@needrun\relax
7701 \fi

```



```

7702         \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
7703 \ifx\AtEndDocument\undefined\poem@finish\fi
7704 \endparenv
7705 }
7706
7707
7708 \long\def\bidipoem@p@ftntext#1{%
7709   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}%
7710   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
7711 \long\def\bidipoem@p@LTRftntext#1{%
7712   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}%
7713   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
7714 \long\def\bidipoem@p@RTLftntext#1{%
7715   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
7716   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
7717
7718 \long\def\bidipoem@p@xftntext[#1]#2{%
7719   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
7720
7721 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
7722   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
7723
7724 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
7725   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
7726
7727 \def\bidipoem@p@xfootnote[#1]{%
7728   \begingroup
7729     \csname c@\mpfn\endcsname #1\relax
7730     \unrestored@protected@xdef\@thefnmark{\thempfn}%
7731   \endgroup
7732   \@footnotemark\bidipoem@p@xftntext[#1]}
7733
7734 \def\bidipoem@p@xLTRfootnote[#1]{%
7735   \begingroup
7736     \csname c@\mpfn\endcsname #1\relax
7737     \unrestored@protected@xdef\@thefnmark{\thempfn}%
7738   \endgroup
7739   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
7740
7741 \def\bidipoem@p@xRTLfootnote[#1]{%
7742   \begingroup
7743     \csname c@\mpfn\endcsname #1\relax
7744     \unrestored@protected@xdef\@thefnmark{\thempfn}%
7745   \endgroup
7746   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
7747
7748
7749
7750 \newenvironment{traditionalpoem}{\@traditionalpoem}{\endtraditionalpoem}
7751 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey}
7752 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
7753 \def\poem@finish{%
7754   \poem@write@aux{max@poem@no}{\number\c@poem@no}%
7755 \ifx\poem@needrun\relax

```



```

7756 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
7757 \global\let\poem@needrun\undefined
7758 \fi
7759 }
7760 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
7761 \newcounter{poem@no}\setcounter{poem@no}{\z@}
7762 \ifx\max@poem@no\undefined
7763     \def\max@poem@no{0}%
7764 \fi
7765 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
7766 \newcommand{\poem@write@aux}[2]{%
7767     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
7768     \@x
7769 }
7770 \def\@modernpoem{%
7771 \par
7772 \begingroup
7773 \parskip=\z@
7774 \parindent=\z@
7775 \def\[{ \@settab\@tabplus\ignorespaces}%
7776 \def\]\@tabminus\ignorespaces}%
7777 \def\newblock{\poemblocksep}%
7778 \let\newpoem@tabcr\@tabcr
7779 \def\modernpoem@par{% Redefine \par for possible \obeylines
7780     \ifpoem@started\else
7781         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
7782             \@stopfield
7783         \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
7784         \@contfield
7785     \fi
7786     \fi
7787     \ifpoem@started\newpoem@tabcr\fi}%
7788 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
7789 \global\poem@startedfalse
7790 \csname poem@obeylines\endcsname
7791 \let\poem@obeylines\relax
7792 \begin{tabbing}%
7793 }
7794 \def\@endmodernpoem{%
7795 \global\poem@startedfalse
7796 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
7797     \@stopfield
7798     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
7799     \@contfield
7800 \fi
7801 \ifpoem@started\else\let\@stopline\@stopfield\fi
7802 \end{tabbing}%
7803 \endgroup
7804 \par
7805 \if@nparlist \else
7806     \ifdim\lastskip >\z@
7807         \@tempskipa\lastskip \vskip -\lastskip
7808         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
7809         \vskip\@tempskipa

```



```

7810 \fi
7811 \@endparenv
7812 \fi
7813 }
7814 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
7815 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
7816 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
7817 \gdef\@startfield{%
7818 \global\setbox\@curfield\hbox\bgroup%
7819 \let\@footnotetext\bidipoem@p@ftntext%
7820 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7821 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7822 \let\@xfootnotenext\bidipoem@p@xftntext%
7823 \let\@xfootnote\bidipoem@p@xfootnote%
7824 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7825 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7826 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7827 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7828 \color@begingroup}
7829 \gdef\@stopfield{%
7830 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
7831 \gdef\@contfield{%
7832 \global\setbox\@curfield\hbox\bgroup%
7833 \let\@footnotetext\bidipoem@p@ftntext%
7834 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
7835 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
7836 \let\@xfootnotenext\bidipoem@p@xftntext%
7837 \let\@xfootnote\bidipoem@p@xfootnote%
7838 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
7839 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
7840 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
7841 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
7842 \color@begingroup\unhbox\@curfield}

```

45 File boek3-xetex-bidi.def

```

7843 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
7844 \renewenvironment{theindex}{%
7845 \if@twocolumn
7846 \@restonecolfalse
7847 \else
7848 \@restonecoltrue
7849 \fi
7850 \columnseprule \z@
7851 \columnsep 35\p@
7852 \twocolumn[\@makeschapterhead{\indexname}]%
7853 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
7854 \thispagestyle{plain}\parindent\z@
7855 \parskip\z@ \@plus .3\p@\relax
7856 \let\item\@idxitem
7857 }{%
7858 \if@restonecol\onecolumn\else\clearpage\fi}
7859 \renewcommand*\head@style{%
7860 \interlinepenalty \@M

```




```

7861 \hyphenpenalty=\@M \exhyphenpenalty=\@M
7862 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
7863 \renewcommand*\@regtocline[3]{%
7864 \ifnum #1>\c@tocdepth
7865 \else
7866 \vskip\z@ \@plus.2\p@
7867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
7868 \if@RTL\rightskip\else\leftskip\fi\unitindent
7869 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
7870 \parfillskip\z@
7871 \@tempdima\unitindent
7872 \parindent\z@
7873 \leavevmode
7874 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
7875 \hskip 1em \nobreak{\slshape #3}\par
7876 }%
7877 \fi}
7878 \if@oldtoc
7879 \renewcommand*\l@part[2]{%
7880 \ifnum \c@tocdepth >-2\relax
7881 \addpenalty{-\@highpenalty}%
7882 \addvspace{2.25em \@plus\p@}%
7883 \begingroup
7884 \setlength\@tempdima{3em}%
7885 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7886 \parfillskip -\@pnumwidth
7887 {\leavevmode
7888 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7889 \nobreak
7890 \global\@nobreaktrue
7891 \everypar{\global\@nobreakfalse\everypar{}}%
7892 \endgroup
7893 \fi}
7894 \else
7895 \renewcommand*\l@part{%
7896 \ifnum \c@tocdepth >-2\relax
7897 \addpenalty{-\@highpenalty}%
7898 \addvspace{2.25em \@plus \p@}%
7899 \@regtocline{0}%
7900 \fi}
7901 \fi
7902 \if@oldtoc
7903 \renewcommand*\l@chapter[2]{%
7904 \addpenalty{-\@highpenalty}%
7905 \vskip 1.0em \@plus\p@
7906 \setlength\@tempdima{1.5em}%
7907 \begingroup
7908 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7909 \parfillskip -\@pnumwidth
7910 \leavevmode \bfseries
7911 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7912 \hskip -\if@RTL\rightskip\else\leftskip\fi
7913 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7914 \penalty\@highpenalty

```



```

7915 \endgroup}
7916 \else
7917 \renewcommand*\l@chapter{\@regtocline{0}}
7918 \fi
7919 \renewenvironment{abstract}{%
7920 \titlepage
7921 \null\vfil
7922 \section*{\SectFont \abstractname}
7923 \noindent\ignorespaces}
7924 {\par\vfil\null\endtitlepage}
7925 \renewenvironment{thebibliography}[1]
7926 {\chapter*{\bibname}%
7927 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7928 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
7929 \bidi@thebibliography@font@hook%
7930 \list{\@biblabel{\@arabic{c@enumiv}}}%
7931 {\settowidth\labelwidth{\@biblabel{#1}}%
7932 \leftmargin\labelwidth
7933 \advance\leftmargin\labelsep
7934 \@openbib@code
7935 \usecounter{enumiv}%
7936 \let\p@enumiv\@empty
7937 \renewcommand*\theenumiv{\@arabic{c@enumiv}}}%
7938 \sloppy\clubpenalty4000\widowpenalty4000%
7939 \sfcode\.\@m}
7940 {\def\@noitemerr
7941 {\@latex@warning{Empty `thebibliography' environment}}}%
7942 \endlist}
7943 \renewcommand*\left@footnoterule{%
7944 \kern-3\p@
7945 \kern.5\baselineskip
7946 \hrule\@width\unitindent
7947 \kern.4\baselineskip
7948 }
7949 \renewcommand*\right@footnoterule{%
7950 \kern-3\p@
7951 \kern.5\baselineskip
7952 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
7953 \kern.4\baselineskip}
7954 \renewcommand*\thesection{\thechapter\@SepMark\@arabic{c@section}}
7955 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic{c@subsection}}
7956 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic{c@subsubsection}}
7957 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic{c@paragraph}}
7958 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic{c@subparagraph}}
7959 \renewcommand*\theequation{%
7960 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@equation}}
7961 \renewcommand*\thefigure{%
7962 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@figure}}
7963 \renewcommand*\thetable{%
7964 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@table}}
7965 \renewcommand*\maketitle{%
7966 \begin{titlepage}%
7967 \let\footnotesize\small
7968 \let\right@footnoterule\relax

```



```

7969 \let\left@footnoterule\relax
7970 \let\textwidth@footnoterule\relax
7971 \let \footnote \thanks
7972 \long\def\@makefntext##1{\parindent\z@
7973 \def\labelitemi{\textendash}\@revlabeltrue
7974 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
7975 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
7976 \if@compatibility\setcounter{page}{0}\fi
7977 \null\vfil
7978 \vskip 60\p@
7979 \begin{center}%
7980 \TitleFont
7981 {\LARGE \def\\{\penalty -\@M}
7982 \if@allcaps
7983 \expandafter\uc@nothanks\@title\thanks\relax
7984 \else
7985 \@title
7986 \fi\par}%
7987 \vskip 3em%
7988 {\large
7989 \lineskip .75em \parindent\z@
7990 \begin{tabular}[t]{c}%
7991 \if@allcaps
7992 \expandafter\uc@authornothanks\@author\and\relax
7993 \else
7994 \@author
7995 \fi
7996 \end{tabular}\par}%
7997 \vskip 1.5em%
7998 {\large
7999 \if@allcaps
8000 \uppercase\expandafter{\@date}%
8001 \else
8002 \@date
8003 \fi\par}%
8004 \end{center}\par
8005 \@thanks
8006 \vfil\null
8007 \end{titlepage}%
8008 \setcounter{footnote}{0}%
8009 \global\let\thanks\relax
8010 \global\let\maketitle\relax
8011 \global\let\@thanks\@empty
8012 \global\let\@author\@empty
8013 \global\let\@title\@empty
8014 \global\let\@date\@empty
8015 \global\let\title\relax
8016 \global\let\author\relax
8017 \global\let\date\relax
8018 \global\let\and\relax
8019 }

```

46 File boek-xetex-bidi.def



```

8020 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
8021 \renewenvironment{theindex}{%
8022   \if@twocolumn
8023     \@restonecolfalse
8024   \else
8025     \@restonecoltrue
8026   \fi
8027   \columnseprule \z@
8028   \columnsep 35\p@
8029   \twocolumn[\@makeschapterhead{\indexname}]%
8030   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
8031   \thispagestyle{plain}\parindent\z@
8032   \parskip\z@ \@plus .3\p@\relax
8033   \let\item\@idxitem
8034 }{%
8035   \if@restonecol\onecolumn\else\clearpage\fi}
8036 \renewcommand*{\head@style}{%
8037   \interlinepenalty \@M
8038   \hyphenpenalty=\@M \exhyphenpenalty=\@M
8039   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
8040 \renewcommand*{\regtocline}[3]{%
8041   \ifnum #1>\c@tocdepth
8042   \else
8043     \vskip\z@\@plus.2\p@
8044     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
8045     \if@RTL\rightskip\else\leftskip\fi\unitindent
8046     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
8047     \parfillskip\z@
8048     \@tempdima\unitindent
8049     \parindent\z@
8050     \leavevmode
8051     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
8052     \hskip 1em \nobreak{\slshape #3}\par
8053   }%
8054   \fi}
8055 \if@oldtoc
8056 \renewcommand*{\l@part}[2]{%
8057   \ifnum \c@tocdepth >-2\relax
8058     \addpenalty{-\@highpenalty}%
8059     \addvspace{2.25em \@plus\p@}%
8060     \begingroup
8061       \setlength{\@tempdima}{3em}%
8062       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8063       \parfillskip -\@pnumwidth
8064       {\leavevmode
8065         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8066         \nobreak
8067         \global\@nobreaktrue
8068         \everypar{\global\@nobreakfalse\everypar{}}%
8069       \endgroup
8070   \fi}
8071 \else
8072   \renewcommand*{\l@part}{%
8073     \ifnum \c@tocdepth >-2\relax

```



```

8074 \addpenalty{-\@highpenalty}%
8075 \addvspace{2.25em \@plus \p@}%
8076 \@regtocline{0}%
8077 \fi}
8078 \fi
8079 \if@oldtoc
8080 \renewcommand*\l@chapter[2]{%
8081 \addpenalty{-\@highpenalty}%
8082 \vskip 1.0em \@plus \p@
8083 \setlength\@tempdima{1.5em}%
8084 \begingroup
8085 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8086 \parfillskip -\@pnumwidth
8087 \leavevmode \bfseries
8088 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
8089 \hskip -\if@RTL\rightskip\else\leftskip\fi
8090 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8091 \penalty\@highpenalty
8092 \endgroup}
8093 \else
8094 \renewcommand*\l@chapter{\@regtocline{0}}
8095 \fi
8096 \renewcommand*\left@footnoterule{%
8097 \kern-3\p@
8098 \kern.5\baselineskip
8099 \hrule\@width\unitindent
8100 \kern.4\baselineskip
8101 }
8102 \renewcommand*\right@footnoterule{%
8103 \kern-3\p@
8104 \kern.5\baselineskip
8105 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
8106 \kern.4\baselineskip}
8107 \renewenvironment{abstract}{%
8108 \titlepage
8109 \null\vfil
8110 \section*{\SectFont \abstractname}
8111 \noindent\ignorespaces}
8112 {\par\vfil\null\endtitlepage}
8113 \renewenvironment{thebibliography}[1]
8114 {\chapter*{\bibname}%
8115 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8116 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8117 \bidi@thebibliography@font@hook%
8118 \list{\@biblabel{\@arabic\c@enumiv}}%
8119 {\settowidth\labelwidth{\@biblabel{#1}}%
8120 \leftmargin\labelwidth
8121 \advance\leftmargin\labelsep
8122 \@openbib@code
8123 \usecounter{enumiv}%
8124 \let\p@enumiv\@empty
8125 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
8126 \sloppy\clubpenalty4000\widowpenalty4000%
8127 \sfcode`\.\@m}

```



```

8128      {\def\@noitemerr
8129        {\@latex@warning{Empty `thebibliography' environment}}}%
8130        \endlist}
8131 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
8132 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
8133 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
8134 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
8135 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
8136 \renewcommand*\theequation{%
8137   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8138 \renewcommand*\thefigure{%
8139   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
8140 \renewcommand*\thetable{%
8141   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
8142 \renewcommand*\maketitle{%
8143   \begin{titlepage}%
8144     \let\footnotesize\small
8145     \let\right@footnoterule\relax
8146     \let\left@footnoterule\relax
8147     \let\textwidth\footnoterule\relax
8148     \let \footnote \thanks
8149     \long\def\@makefnitem##1{\parindent\z@
8150       \def\labelitemi{\textendash}\@revlabeltrue
8151       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
8152 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
8153 \if@compatibility\setcounter{page}{0}\fi
8154 \null\vfil
8155 \vskip 60\p@
8156 \begin{center}%
8157   \TitleFont
8158   {\LARGE \def\{\{\penalty -\@M}
8159     \if@allcaps
8160       \expandafter\uc@nothanks\@title\thanks\relax
8161     \else
8162       \@title
8163     \fi\par}%
8164   \vskip 3em%
8165   {\large
8166     \lineskip .75em \parindent\z@
8167     \begin{tabular}[t]{c}%
8168       \if@allcaps
8169         \expandafter\uc@authornothanks\@author\and\relax
8170       \else
8171         \@author
8172       \fi
8173     \end{tabular}\par}%
8174   \vskip 1.5em%
8175   {\large
8176     \if@allcaps
8177       \uppercase\expandafter{\@date}%
8178     \else
8179       \@date
8180     \fi\par}%
8181   \end{center}\par

```



```

8182 \@thanks
8183 \vfil\null
8184 \end{titlepage}%
8185 \setcounter{footnote}{0}%
8186 \global\let\thanks\relax
8187 \global\let\maketitle\relax
8188 \global\let\@thanks\@empty
8189 \global\let\@author\@empty
8190 \global\let\@title\@empty
8191 \global\let\@date\@empty
8192 \global\let\title\relax
8193 \global\let\author\relax
8194 \global\let\date\relax
8195 \global\let\and\relax
8196 }

```

47 File bookest-xetex-bidi.def

```

8197 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
8198 \def\@makechapterhead#1{%
8199 \vspace*{20\p@}
8200 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8201 \ifnum \c@secnumdepth >\m@ne
8202 \if@mainmatter
8203 {\colorA\huge\scshape \@chapapp\space \thechapter}
8204 \par\nobreak
8205 \vskip 10\p@
8206 \fi
8207 \fi
8208 \interlinepenalty\@M
8209 {\colorB\hrule}
8210 \vskip 15\p@
8211 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
8212 {\colorA\Huge \bfseries #1}\par\nobreak
8213 \if@RTL\end{flushleft}\else\end{flushright}\fi
8214 \vskip 5\p@
8215 {\colorB\hrule}
8216 \vskip 30\p@
8217 }}
8218 \def\@makeschapterhead#1{%
8219 \vspace*{20\p@}
8220 {\parindent \z@ \raggedright \normalfont
8221 {\colorB\hrule}
8222 \vskip 15\p@
8223 \begin{center}
8224 {\colorA\Huge \bfseries #1}\par\nobreak
8225 \end{center}
8226 \vskip 5\p@
8227 {\colorB\hrule}
8228 \vskip 30\p@
8229 }}

```

48 File book-xetex-bidi.def



```

8230 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class
8231 \renewenvironment{theindex}
8232     {\if@twocolumn
8233       \@restonecolfalse
8234       \else
8235       \@restonecoltrue
8236       \fi
8237       \columnseprule \z@
8238       \columnsep 35\p@
8239       \twocolumn[\@makeschapterhead{\indexname}]}%
8240     \@mkboth{\MakeUppercase\indexname}%
8241             {\MakeUppercase\indexname}%
8242     \thispagestyle{plain}\parindent\z@
8243     \parskip\z@ \@plus .3\p@\relax
8244     \let\item\@idxitem}
8245     {\if@restonecol\onecolumn\else\clearpage\fi}
8246 \@ifclassloaded{bookest}{-}{%
8247   \if@titlepage
8248     \renewcommand\maketitle{\begin{titlepage}%
8249       \let\footnotesize\small
8250       \let\right@footnoterule\relax
8251       \let\left@footnoterule\relax
8252       \let\textwidth\footnoterule\relax
8253       \let\footnote\thanks
8254       \let\LTRfootnote\LTRthanks
8255       \let\RTLfootnote\RTLthanks
8256       \null\vfil
8257       \vskip 60\p@
8258       \begin{center}%
8259         {\LARGE \@title \par}%
8260         \vskip 3em%
8261         {\large
8262           \lineskip .75em%
8263           \begin{tabular}[t]{c}%
8264             \@author
8265             \end{tabular}\par}%
8266         \vskip 1.5em%
8267         {\large \@date \par}%           % Set date in \large size.
8268       \end{center}\par
8269       \@thanks
8270       \vfil\null
8271     \end{titlepage}%
8272     \setcounter{footnote}{0}%
8273     \global\let\thanks\relax
8274     \global\let\LTRthanks\relax
8275     \global\let\RTLthanks\relax
8276     \global\let\maketitle\relax
8277     \global\let\@thanks\@empty
8278     \global\let\@author\@empty
8279     \global\let\@date\@empty
8280     \global\let\@title\@empty
8281     \global\let\title\relax
8282     \global\let\author\relax
8283     \global\let\date\relax

```




```

8284 \global\let\and\relax
8285 }
8286 \else
8287 \renewcommand\maketitle{\par
8288 \beginngroup
8289 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8290 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8291 \long\def\@makefntext##1{\parindent 1em\noindent
8292 \hb@xt@1.8em{%
8293 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8294 \if@twocolumn
8295 \ifnum \col@number=\@ne
8296 \maketitle
8297 \else
8298 \twocolumn[\maketitle]%
8299 \fi
8300 \else
8301 \newpage
8302 \global\@topnum\z@ % Prevents figures from going at top of page.
8303 \maketitle
8304 \fi
8305 \thispagestyle{plain}\@thanks
8306 \endgroup
8307 \setcounter{footnote}{0}%
8308 \global\let\thanks\relax
8309 \global\let\LTRthanks\relax
8310 \global\let\RTLthanks\relax
8311 \global\let\maketitle\relax
8312 \global\let\@maketitle\relax
8313 \global\let\@thanks\@empty
8314 \global\let\@author\@empty
8315 \global\let\@date\@empty
8316 \global\let\@title\@empty
8317 \global\let\title\relax
8318 \global\let\author\relax
8319 \global\let\date\relax
8320 \global\let\and\relax
8321 }
8322 \def\@maketitle{%
8323 \newpage
8324 \null
8325 \vskip 2em%
8326 \begin{center}%
8327 \let \footnote \thanks
8328 \let \LTRfootnote \LTRthanks
8329 \let \RTLfootnote \RTLthanks
8330 {\LARGE \@title \par}%
8331 \vskip 1.5em%
8332 {\large
8333 \lineskip .5em%
8334 \begin{tabular}[t]{c}%
8335 \@author
8336 \end{tabular}\par}%
8337 \vskip 1em%

```



```

8338     {\large \@date}%
8339   \end{center}%
8340   \par
8341   \vskip 1.5em}
8342 \fi}
8343 \renewcommand*\l@part[2]{%
8344   \ifnum \c@tocdepth >-2\relax
8345     \addpenalty{-\@highpenalty}%
8346     \addvspace{2.25em \@plus\p@}%
8347     \setlength\@tempdima{3em}%
8348     \begingroup
8349       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8350       \parfillskip -\@pnumwidth
8351       {\leavevmode
8352         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8353       \nobreak
8354       \global\@nobreaktrue
8355       \everypar{\global\@nobreakfalse\everypar{}}%
8356     \endgroup
8357   \fi}
8358 \renewcommand*\l@chapter[2]{%
8359   \ifnum \c@tocdepth >\m@ne
8360     \addpenalty{-\@highpenalty}%
8361     \vskip 1.0em \@plus\p@
8362     \setlength\@tempdima{1.5em}%
8363     \begingroup
8364       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8365       \parfillskip -\@pnumwidth
8366       \leavevmode \bfseries
8367       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8368       \hskip -\if@RTL\rightskip\else\leftskip\fi
8369       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8370       \penalty\@highpenalty
8371     \endgroup
8372   \fi}
8373 \renewcommand\left@footnoterule{%
8374   \kern-3\p@
8375   \hrule\@width.4\columnwidth
8376   \kern2.6\p@}
8377 \renewcommand\right@footnoterule{%
8378   \kern-3\p@
8379   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8380   \kern2.6\p@}
8381 \renewcommand\theequation
8382   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8383 \renewcommand \thefigure
8384   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8385 \renewcommand \thetable
8386   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8387 \renewcommand \thechapter {\@arabic\c@chapter}
8388 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8389 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8390 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8391 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}

```



```

8392 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8393 \def\@makechapterhead#1{%
8394   \vspace*{50\p@}%
8395   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8396     \ifnum \c@secnumdepth >\m@ne
8397       \if@mainmatter
8398         \huge\bfseries \@chapapp\space \thechapter
8399         \par\nobreak
8400         \vskip 20\p@
8401       \fi
8402     \fi
8403     \interlinepenalty\@M
8404     \Huge \bfseries #1\par\nobreak
8405     \vskip 40\p@
8406   }}
8407 \def\@makeschapterhead#1{%
8408   \vspace*{50\p@}%
8409   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8410     \normalfont
8411     \interlinepenalty\@M
8412     \Huge \bfseries #1\par\nobreak
8413     \vskip 40\p@
8414   }}
8415 \renewcommand\backmatter{%
8416   \if@openright
8417     \cleardoublepage
8418   \else
8419     \clearpage
8420   \fi
8421   \@mainmatterfalse}
8422 \renewenvironment{thebibliography}[1]
8423   {\chapter*{\bibname}%
8424    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8425    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8426    \bidi@thebibliography@font@hook%
8427    \list{\@biblabel{\@arabic\c@enumiv}}%
8428      {\settowidth\labelwidth{\@biblabel{#1}}%
8429       \leftmargin\labelwidth
8430       \advance\leftmargin\labelsep
8431       \@openbib@code
8432       \usecounter{enumiv}%
8433       \let\p@enumiv\@empty
8434       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8435    \sloppy
8436    \clubpenalty4000
8437    \@clubpenalty \clubpenalty
8438    \widowpenalty4000%
8439    \sfcode`\.\@m}
8440 {\def\@noitemerr
8441   {\@latex@warning{Empty `thebibliography' environment}}}%
8442 \endlist}

```

49 File breqn-xetex-bidi.def



```

8443 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
8444 \def\@dmath[#1]{\ifRTL\@RTLfalse\fi%
8445 \everydisplay\expandafter{\the\everydisplay \display@setup}%
8446 \ifnoskipsec \leavevmode \fi
8447 \ifinlabel \leavevmode \global\@inlabelfalse \fi
8448 \if\eq@group\else\eq@prelim\fi
8449 \setkeys{breqn}{#1}%
8450 \the\eqstyle
8451 \eq@setnumber
8452 \begingroup
8453 \eq@setup@a
8454 \eq@startup
8455 }
8456 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
8457 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
8458 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
8459 \global\let\GRP@label\@empty
8460 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
8461 \global\grp@linewidth\z@\global\grp@wdNum\z@
8462 \global\let\grp@eqs@numbered\@False
8463 \global\let\grp@aligned\@True
8464 \global\let\grp@shiftnumber\@False
8465 \eq@prelim
8466 \setkeys{breqn}{#1}%
8467 \if\grp@hasNumber \grp@setnumber \fi
8468 }
8469 \def\@dseries[#1]{\ifRTL\@RTLfalse\fi%
8470 \let\display@setup\dseries@display@setup
8471 % Question: should this be the default for dseries???
8472 \global\eq@wdCond\z@
8473 \@dmath[layout={M},#1]%
8474 \mathsurround\z@\@math \penalty\@Mi
8475 \let\endmath\ends@math
8476 \def\premath{%
8477 \ifdim\lastskip<.3em \unskip
8478 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
8479 }%
8480 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
8481 \ignorespaces
8482 }
8483 \def\eqnumform#1{\ifnonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\ifnonlatin\endR\fi}
8484 \renewenvironment{dsuspend}{%
8485 \global\setbox\EQ@box\vbox\bgroup\ifnonlatin\@RTLtrue\fi \@parboxrestore
8486 \parshape 1 \displayindent \displaywidth\relax
8487 \hsize=\columnwidth \noindent\ignorespaces
8488 }{%
8489 \par\egroup
8490 \global\setbox\GRP@box\vbox{%
8491 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
8492 \unvbox\GRP@box
8493 }%
8494 \global\GRP@queue\@xp{\the\GRP@queue
8495 \@elt{\let\eq@isIntertext\@True}%
8496 }%

```



8497 }

50 File cals-xetex-bidi.def

```

8498 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
8499 \renewcommand\cals@setup@alignment[1]{%
8500 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
8501 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
8502 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
8503 }
8504 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
8505 \renewenvironment{calstable}[1][\cals@table@alignment]{%
8506 \if@RTLtab\cals@activate@rtl\fi
8507 \let\cals@thead@tokens=\relax
8508 \let\cals@tfoot@tokens=\relax
8509 \let\cals@tbody@tokens=\relax
8510 \cals@tfoot@height=0pt \relax
8511 \let\cals@last@context=n%
8512 \let\cals@current@context=b%
8513 \parindent=0pt \relax%
8514 \cals@setup@alignment{#1}%
8515 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
8516 %% Alignment inside is independent on center/flushright outside
8517 \parfillskip=0pt plus1fil\relax
8518 \let\cals@borderL=\relax
8519 \let\cals@borderR=\relax
8520 \let\cals@borderT=\relax
8521 \let\cals@borderB=\relax
8522 \setbox\cals@backup@row=\box\voidb@x\relax
8523 \cals@AtBeginTable
8524 }{% End of the table
8525 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
8526 \renewcommand\alignL{%
8527 \if@RTLtab
8528 \cals@vfillAdd\cals@paddingL
8529 \else
8530 \cals@vfillDrop\cals@paddingL
8531 \fi
8532 \cals@vfillDrop\cals@paddingR}
8533 \renewcommand\alignR{%
8534 \if@RTLtab
8535 \cals@vfillDrop\cals@paddingL
8536 \else
8537 \cals@vfillAdd\cals@paddingL
8538 \fi
8539 \cals@vfillDrop\cals@paddingR}

```

51 File caption-xetex-bidi.def

```

8540 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX]
8541 \let\makecaption\caption@makecaption

```

52 File caption3-xetex-bidi.def



```

8542 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
8543 \renewcommand*\caption@par{%
8544 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

53 File colortbl-xetex-bidi.def

```

8545 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
8546 \def\CT@setup{%
8547 \@tempdima\col@sep
8548 \@tempdimc\col@sep
8549 \def\CT@color{%
8550 \global\let\CT@do@color\CT@@do@color
8551 \bidicolor}}
8552 \def\@classz{\@classx
8553 \@tempcnta \count@
8554 \prepnext@tok
8555 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
8556 \@addtopreamble{\if@RTLtab\beginL\fi%
8557 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
8558 \ifcase \@chnum
8559 \hskip\stretch{.5}\kern\z@
8560 \dollarbegin
8561 \insert@column
8562 \dollarend\hskip\stretch{.5}\or
8563 \dollarbegin \insert@column \dollarend \hfill \or
8564 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
8565 $\vcenter
8566 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
8567 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
8568 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
8569 \fi
8570 \if@RTLtab\endR\fi\egroup\egroup
8571 \begingroup
8572 \CT@setup
8573 \CT@column@color
8574 \CT@row@color
8575 \CT@cell@color
8576 \CT@do@color
8577 \endgroup
8578 \@tempdima\ht\z@
8579 \advance\@tempdima\minrowclearance
8580 \vrule\@height\@tempdima\@width\z@
8581 \unhbox\z@\if@RTLtab\endL\fi}%
8582 \prepnext@tok}

```

54 File color-xetex-bidi.def

```

8583 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for X
8584 \long\def\color@b@x#1#2#3{%
8585 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
8586 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
8587 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
8588 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
8589 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%

```



```

8590 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
8591 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
8592 \DeclareRobustCommand\color{%
8593 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
8594 \def\@declaredcolor#1{%
8595 \@ifundefined{\string\color @#1}%
8596 {\c@lor@error{`#1'}}%
8597 {\expandafter\let\expandafter\current@color
8598 \csname\string\color @#1\endcsname
8599 \set@color}%
8600 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
8601 \def\@undeclaredcolor[#1]#2{%
8602 \@ifundefined{color@#1}%
8603 {\c@lor@error{model `#1'}}%
8604 {\csname color@#1\endcsname\current@color{#2}%
8605 \set@color}%
8606 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
8607 \DeclareRobustCommand\bidicolor{%
8608 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
8609 \def\@bidiundeclaredcolor[#1]#2{%
8610 \@ifundefined{color@#1}%
8611 {\c@lor@error{model `#1'}}%
8612 {\csname color@#1\endcsname\current@color{#2}%
8613 \set@color}%
8614 \ignorespaces}
8615 \def\@bidideclaredcolor#1{%
8616 \@ifundefined{\string\color @#1}%
8617 {\c@lor@error{`#1'}}%
8618 {\expandafter\let\expandafter\current@color
8619 \csname\string\color @#1\endcsname
8620 \set@color}%
8621 \ignorespaces}
8622 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
8623 \def\color@fbox#1#2#3{%
8624 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
8625 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmod

```

55 File combine-xetex-bidi.def

```

8626 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
8627 \renewcommand{\c@ll@chapsecii}[2]{%
8628 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8629 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
8630 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8631 }
8632 \renewcommand{\c@ll@chapseci}{%
8633 \setlength\@tempdima{0em}%
8634 \begingroup
8635 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8636 \parfillskip -\@pnumwidth
8637 \leavevmode
8638 }
8639 \renewenvironment{tocindent}[1]{%
8640 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```



56 File crop-xetex-bidi.def

```

8641 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
8642 \renewcommand*\CROP@ulc{%
8643   \if@RTLmain%
8644     \begin{picture}(0,0)
8645       \unitlength\p@\thinline
8646       \put(-40,0){\circle{10}}
8647       \put(-30,-5){\line(0,1){10}}
8648       \put(-35,0){\line(1,0){30}}
8649       \put(-10,30){\circle{10}}
8650       \put(-5,30){\line(1,0){10}}
8651       \put(0,35){\line(0,-1){30}}
8652     \end{picture}%
8653   \else%
8654     \begin{picture}(0,0)
8655       \unitlength\p@\thinline
8656       \put(-30,0){\circle{10}}
8657       \put(-30,-5){\line(0,1){10}}
8658       \put(-35,0){\line(1,0){30}}
8659       \put(0,30){\circle{10}}
8660       \put(-5,30){\line(1,0){10}}
8661       \put(0,35){\line(0,-1){30}}
8662     \end{picture}%
8663   \fi%
8664 }
8665 \renewcommand*\CROP@urc{%
8666   \if@RTLmain%
8667     \begin{picture}(0,0)
8668       \unitlength\p@\thinline
8669       \put(20,0){\circle{10}}
8670       \put(30,-5){\line(0,1){10}}
8671       \put(35,0){\line(-1,0){30}}
8672       \put(-10,30){\circle{10}}
8673       \put(-5,30){\line(1,0){10}}
8674       \put(0,35){\line(0,-1){30}}
8675     \end{picture}%
8676   \else%
8677     \begin{picture}(0,0)
8678       \unitlength\p@\thinline
8679       \put(30,0){\circle{10}}
8680       \put(30,-5){\line(0,1){10}}
8681       \put(35,0){\line(-1,0){30}}
8682       \put(0,30){\circle{10}}
8683       \put(-5,30){\line(1,0){10}}
8684       \put(0,35){\line(0,-1){30}}
8685     \end{picture}%
8686   \fi%
8687 }
8688 \renewcommand*\CROP@llc{%
8689   \if@RTLmain%
8690     \begin{picture}(0,0)
8691       \unitlength\p@\thinline
8692       \put(-40,0){\circle{10}}

```




```

8693      \put(-30,-5){\line(0,1){10}}
8694      \put(-35,0){\line(1,0){30}}
8695      \put(-10,-30){\circle{10}}
8696      \put(-5,-30){\line(1,0){10}}
8697      \put(0,-35){\line(0,1){30}}
8698      \end{picture}%
8699      \else%
8700      \begin{picture}(0,0)
8701        \unitlength\p@\thinline
8702        \put(-30,0){\circle{10}}
8703        \put(-30,-5){\line(0,1){10}}
8704        \put(-35,0){\line(1,0){30}}
8705        \put(0,-30){\circle{10}}
8706        \put(-5,-30){\line(1,0){10}}
8707        \put(0,-35){\line(0,1){30}}
8708      \end{picture}%
8709      \fi%
8710    }
8711    \renewcommand*\CROP@lrc{%
8712      \if@RTLmain%
8713        \begin{picture}(0,0)
8714          \unitlength\p@\thinline
8715          \put(20,0){\circle{10}}
8716          \put(30,-5){\line(0,1){10}}
8717          \put(35,0){\line(-1,0){30}}
8718          \put(-10,-30){\circle{10}}
8719          \put(-5,-30){\line(1,0){10}}
8720          \put(0,-35){\line(0,1){30}}
8721        \end{picture}%
8722        \else%
8723        \begin{picture}(0,0)
8724          \unitlength\p@\thinline
8725          \put(30,0){\circle{10}}
8726          \put(30,-5){\line(0,1){10}}
8727          \put(35,0){\line(-1,0){30}}
8728          \put(0,-30){\circle{10}}
8729          \put(-5,-30){\line(1,0){10}}
8730          \put(0,-35){\line(0,1){30}}
8731        \end{picture}%
8732        \fi%
8733    }
8734    \@ifpackagewith{crop}{cam}{%
8735      \CROP@execopt{cam}%
8736    }{}

```

57 File cutwin-xetex-bidi.def

```

8737 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
8738 \renewcommand*{\c@twcompctr}[2]{%
8739   \def\c@twfirst{1}
8740   \loop\advance\c@twwinlines\m@ne
8741   \setbox\c@twslicea=\vsplit#1 to\baselineskip
8742   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
8743   \c@twprune{\c@twslicea}{\c@twlftside}%

```



```

8744 \c@twprune{\c@twsliceb}{\c@twrtside}%
8745 \ifnum\c@twfirst=\@ne
8746   \setbox#2=\vbox{\unvbox#2\hbox
8747     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
8748   \else
8749     \setbox#2=\vbox{\unvbox#2\hbox
8750     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
8751   \fi
8752   \def\c@twfirst{2}
8753   \ifnum\c@twinlines>\z@\repeat{
8754 \renewcommand*{\c@twcompodctr}[2]{%
8755   \def\c@twrounds{1}
8756   \def\c@twfirst{1}
8757   \@for\c@twlspec:=\c@twb\do{%
8758     \ifnum\c@twrounds=1
8759       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
8760       \c@twprune{\c@twslicea}{\c@twlspec}%
8761       \def\c@twrounds{2}
8762     \else
8763       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
8764       \c@twprune{\c@twsliceb}{\c@twlspec}%
8765       \ifnum\c@twfirst=1
8766         \setbox#2=\vbox{\unvbox#2\hbox
8767           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@tw
8768         \def\c@twfirst{2}
8769       \else
8770         \setbox#2=\vbox{\unvbox#2\hbox
8771           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
8772       \fi
8773       \def\c@twrounds{1}
8774     \fi}}

```

58 File cuted-xetex-bidi.def

```

8775 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for Xe
8776
8777 \def\RTL@outputdblcol{%
8778   \if@firstcolumn
8779     \global\@firstcolumnfalse
8780     \global\setbox\@leftcolumn\copy\@outputbox
8781     \splitmaxdepth\maxdimen
8782     \vbadness\maxdimen
8783     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
8784     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
8785     \toks@{\expandafter{\topmark}}%
8786     \xdef\@firstcoltopmark{\the\toks@}%
8787     \toks@{\expandafter{\splitfirstmark}}%
8788     \xdef\@firstcolfirstmark{\the\toks@}%
8789     \ifx\@firstcolfirstmark\@empty
8790       \global\let\@setmarks\relax
8791     \else
8792       \gdef\@setmarks{%
8793         \let\firstmark\@firstcolfirstmark
8794         \let\topmark\@firstcoltopmark}%

```



```

8795 \fi
8796 \else
8797 \global\@firstcolumntrue
8798 \setbox\@outputbox\vbox{%
8799 \hb@xt@\textwidth{%
8800 \hskip \columnwidth
8801 \hfil
8802 {\normalcolor\vrule \@width\columnseprule}%
8803 \hfil
8804 \hb@xt@\columnwidth{%
8805 \bidi@firstcolumn@status@write%
8806 \box\@leftcolumn \hss}%
8807 \hskip -\textwidth
8808 \hb@xt@\columnwidth{%
8809 \bidi@lastcolumn@status@write%
8810 \box\@outputbox \hss}%
8811 \hskip \columnsep
8812 \hskip \columnwidth }}%
8813 \ifvoid\hold@viper
8814 \else
8815 \setbox\@outputbox \vbox to\textheight{%
8816 \box\hold@viper
8817 \box\@outputbox
8818 \vss
8819 }%
8820 \fi
8821 \@combinedblfloats
8822 \@setmarks
8823 \@outputpage
8824 \begingroup
8825 \@dblfloatplacement
8826 \@startdblcolumn
8827 \@whilesw\if@fcolmade \fi{\@outputpage
8828 \@startdblcolumn}%
8829 \ifvoid\@viper
8830 \else
8831 \global\setbox\@viper\vbox{%
8832 \vskip-\stripsep
8833 \unvbox\@viper
8834 }%
8835 \@viperoutput
8836 \fi
8837 \endgroup
8838 \fi}%
8839
8840 \def\LTR@outputdblcol{%
8841 \if@firstcolumn
8842 \global\@firstcolumnfalse
8843 \global\setbox\@leftcolumn\copy\@outputbox
8844 \splitmaxdepth\maxdimen
8845 \vbadness\maxdimen
8846 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
8847 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
8848 \toks@\expandafter{\topmark}%

```



```

8849 \xdef\@firstcoltopmark{\the\toks@}%
8850 \toks@\expandafter{\splitfirstmark}%
8851 \xdef\@firstcolfirstmark{\the\toks@}%
8852 \ifx\@firstcolfirstmark\@empty
8853 \global\let\@setmarks\relax
8854 \else
8855 \gdef\@setmarks{%
8856 \let\firstmark\@firstcolfirstmark
8857 \let\topmark\@firstcoltopmark}%
8858 \fi
8859 \else
8860 \global\@firstcolumntrue
8861 \setbox\@outputbox\vbox{%
8862 \hb@xt@\textwidth{%
8863 \hb@xt@\columnwidth{%
8864 \bidi@firstcolumn@status@write%
8865 \box\@leftcolumn \hss}%
8866 \hfil
8867 {\normalcolor\vrule \@width\columnseprule}%
8868 \hfil
8869 \hb@xt@\columnwidth{%
8870 \bidi@lastcolumn@status@write%
8871 \box\@outputbox \hss}}}%
8872 \ifvoid\hold@viper
8873 \else
8874 \setbox\@outputbox \vbox to\textheight{%
8875 \box\hold@viper
8876 \box\@outputbox
8877 \vss
8878 }%
8879 \fi
8880 \@combinedblfloats
8881 \@setmarks
8882 \@outputpage
8883 \begingroup
8884 \@dblfloatplacement
8885 \@startdblcolumn
8886 \@whilesw\if@colmade \fi{\@outputpage
8887 \@startdblcolumn}%
8888 \ifvoid\@viper
8889 \else
8890 \global\setbox\@viper\vbox{%
8891 \vskip-\stripsep
8892 \unvbox\@viper
8893 }%
8894 \@viperoutput
8895 \fi
8896 \endgroup
8897 \fi}%
8898
8899 \def\@addviper{%
8900 \@insertfalse
8901 \def\var@thecol@num{2}%
8902 \if@firstcolumn

```



```

8903      \def\var@@thecol@num{1}%
8904      \@reqcolroom=.5\@pageht
8905      \ht@viper=\@reqcolroom
8906      \advance\@reqcolroom by\ht\@viper
8907      \advance\@reqcolroom by\stripsep
8908  \else
8909      \@reqcolroom=\@colht
8910      \advance\@reqcolroom by\@pageht
8911      \ht@viper.5\@reqcolroom
8912      \@reqcolroom=\ht@viper
8913      \advance\@reqcolroom by\ht\@viper
8914      \advance\@reqcolroom by\stripsep
8915      \global\setbox\@holdpg\vbox{%
8916          \setbox\cuted@@tempbox@a\vbox{%
8917              \aftergroup\unvbox
8918              \unvcopy\@leftcolumn
8919              \unskip\unkern\unpenalty
8920              \setbox\@tempbox@lastbox
8921              \ifdim\dimexpr\ht\@tempbox@+wd\@tempbox@>\dp\@tempbox@>\z@
8922                  %% keeps lastbox
8923                  \aftergroup\@leftcolumn
8924              \else
8925                  %% removes lastbox
8926                  \aftergroup\cuted@@tempbox@a
8927              \fi
8928              }%
8929              \unskip\unkern\unpenalty
8930              \on@stripcols@break
8931              \the\At@ViperColsBreak
8932              \unvbox\@holdpg
8933              }%
8934      \global\At@ViperColsBreak{}%
8935      \ht@viper=.5\ht\@holdpg
8936      \ifdim\ht@viper>\@colht
8937          \ht@viper=\@colht
8938      \fi
8939  \fi
8940  %%
8941  %% calculations for breaking
8942  %%
8943  \ifvoid\hold@viper
8944      \ht@hold@viper=\z@
8945  \else
8946      \ht@hold@viper=\ht\hold@viper
8947  \fi
8948  \cuted@@tempdim@b\ht@viper
8949  \set@split@topskip@to\topskip
8950  \loop
8951      \xdef\saved@tempdim@b{\the\cuted@@tempdim@b}%
8952      \setbox\cuted@@varbox@a\copy\@holdpg
8953      \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
8954      %% set leftcolumn boxes
8955      \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
8956      \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%

```



```

8957 \xdef\var@@leftcolumn@badness{\the\badness}%
8958 %% set rightcolumn boxes
8959 \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
8960 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
8961 \xdef\var@@rightcolumn@badness{\the\badness}%
8962 %% analyzing split goodness
8963 \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
8964 \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
8965 \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
8966 \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
8967 \cuted@@wlog@debug{CUTED [----]}%
8968 ^^JLeft: \the\ht\cuted@@tempbox@c
8969 +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
8970 ^^JRight: \the\ht\cuted@@varbox@c
8971 +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
8972 ^^JSplit: \the\cuted@@tempdim@b
8973 ^^JExtra height: \the\cuted@@tempdim@spread
8974 }%
8975 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
8976 \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
8977 \cuted@@tempdim@spread=\z@
8978 \fi
8979 \fi
8980 \ifdim\cuted@@tempdim@spread<\z@
8981 \if@left@column@spread
8982 \if@right@column@shrink
8983 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
8984 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
8985 \else
8986 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
8987 \fi
8988 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
8989 \ifnum\badness<\cuted@@column@badness
8990 \cuted@@tempdim@b=\cuted@@tempdim@a
8991 \cuted@@tempdim@spread=\z@
8992 \fi
8993 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on }
8994 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
8995 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on }
8996 \else
8997 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
8998 \unvcopy\cuted@@tempbox@c
8999 }%
9000 \ifnum\badness<\cuted@@column@badness
9001 \@tempdimb=\ht\cuted@@varbox@c
9002 \cuted@@tempdim@spread=\z@
9003 \fi
9004 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\ht}
9005 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
9006 \unvcopy\cuted@@varbox@c
9007 }%
9008 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\ht}
9009 \fi
9010 \else

```



```

9011         \if@right@column@shrink
9012         \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
9013         \else
9014             \cuted@@tempdim@b=\ht\cuted@@tempbox@c
9015             \cuted@@tempdim@spread=\z@
9016         \fi
9017     \fi
9018 \fi
9019 \else
9020     \ifdim\cuted@@tempdim@spread>\z@
9021     \ifdim\dimexpr\@tempdimb+p@\relax>\@colht
9022     \cuted@@tempdim@b=\@colht
9023     \cuted@@tempdim@spread=\z@
9024     \fi
9025 \fi
9026 \fi
9027 \ifdim\cuted@@tempdim@spread<\z@
9028     \advance\cuted@@tempdim@b 1p@
9029 \repeat
9030 \wlog{CUTED [- LAST -]%
9031     ^^JExtra skip:\the\cuted@@tempdim@spread
9032     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
9033     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
9034     ^^JSplit: \saved@tempdimb
9035     ^^JOutput:\the\cuted@@tempdim@b
9036     ^^JPageshrink: \the\pageshrink
9037     ^^JPagestretch: \the\pagestretch
9038     ^^J@colht:\the\@colht
9039 }%
9040 %%
9041 %% final construction of the cuted page above strip
9042 %%
9043 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
9044 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
9045     \cuted@@tempdim@a=\dimexpr
9046     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
9047     \relax
9048     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
9049     \unvbox\cuted@@tempbox@c
9050     \ifdim\cuted@@tempdim@spread>\dp\strutbox
9051     \else
9052         \vskip-\cuted@@tempdim@spread
9053     \fi
9054     \prevdepth\z@
9055     \hrule\@height\cuted@@page@rule width\textwidth
9056     \vskip-\cuted@@page@rule
9057     \ifdim\cuted@@tempdim@a>\z@
9058         \if@left@column@spread
9059         \else
9060             \vss
9061         \fi
9062     \else
9063         \ifdim\cuted@@tempdim@a<\z@
9064             \if@left@column@shrink

```



```

9065             \else
9066             \vss
9067             \fi
9068         \fi
9069     \fi
9070 }%
9071 \wlog{CUTED [output]: \the\cuted@@tempdim@b
9072 ^^JCUTED [leftcolumn badness]: \number\badness
9073 }%
9074 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
9075     \cuted@@tempdim@a=\dimexpr
9076     \cuted@@tempdim@b-\ht\@holdpg
9077     \relax
9078     \unvbox\@holdpg
9079     \ifdim\cuted@@tempdim@a>\z@
9080         \if@right@column@spread
9081         \else
9082             \vss
9083         \fi
9084     \else
9085         \ifdim\cuted@@tempdim@a<\z@
9086             \if@right@column@shrink
9087             \else
9088                 \vss
9089             \fi
9090         \fi
9091     \fi
9092 }%
9093 \wlog{CUTED [rightcolumn badness]: \number\badness}%
9094 \setbox\cuted@@tempbox@var\vbox{%
9095     \hb@xt@\textwidth{%
9096         \if@RTLmain
9097             \hskip \columnwidth
9098             \hfil
9099             {\normalcolor\vrule \@width\columnseprule}%
9100             \hfil
9101             \hb@xt@\columnwidth{%
9102                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
9103                 \hss
9104             }%
9105             \hskip -\textwidth
9106             \hb@xt@\columnwidth{%
9107                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
9108                 \hss
9109             }%
9110             \hskip \columnsep
9111             \hskip \columnwidth
9112         \else
9113             \hb@xt@\columnwidth{%
9114                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
9115                 \hss
9116             }%
9117             \hfil
9118             {\normalcolor\vrule \@width\columnseprule}%

```




```

9119         \hfil
9120         \hb@xt@\columnwidth{%
9121             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
9122             \hss
9123         }%
9124     \fi
9125 }%
9126 }%
9127 %%
9128 %% finalize cuted page
9129 %%
9130 \ifvoid\hold@viper
9131     \global\setbox\hold@viper\vbox{%
9132         \unvbox\cuted@@tempbox@var
9133         \penalty\interlinepenalty
9134         \vskip\stripsep
9135         \the\preCutedStrip
9136         \ifnum\outputpenalty<-\@Mii
9137             \vskip -\parskip
9138         \fi
9139         \outputpenalty\z@
9140     }%
9141 \else
9142     \global\setbox\hold@viper\vbox{%
9143         \unvbox\hold@viper
9144         \cuted@@tempbox@var
9145         \penalty\interlinepenalty
9146         \vskip\stripsep
9147         \the\preCutedStrip
9148         \ifnum\outputpenalty<-\@Mii
9149             \vskip -\parskip
9150         \fi
9151         \outputpenalty\z@
9152     }%
9153 \fi
9154 \ifdim\@colht>\@reqcolroom
9155     \global\setbox\hold@viper\vbox{%
9156         \unvbox\hold@viper
9157         \box\@viper
9158         \penalty\interlinepenalty
9159         \the\postCutedStrip
9160         \vskip\stripsep
9161         \ifnum\outputpenalty<-\@Mii
9162             \vskip -\parskip
9163         \fi
9164         \outputpenalty\z@
9165     }%
9166 \@inserttrue
9167 \global\@firstcolumntrue
9168 \advance\ht@hold@viper by-\ht\hold@viper
9169 \global\advance\@colht by\ht@hold@viper
9170 \ifdim\@colht<2.5\baselineskip
9171     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
9172                             too tall on page \thepage (\var@@thecol@num column)}}%

```



```

9173         \@emptycol
9174         \if@firstcolumn
9175         \else
9176             \@emptycol
9177         \fi
9178         \global\@lastvipertrue
9179     \else
9180         \global\vsizel\colht
9181         \global\@colroom\colht
9182         \check@floats\cuted@tempdim@a
9183         \ifdim\cuted@tempdim@a>\z@
9184             \global\advance\@colroom by-\cuted@tempdim@a
9185         \fi
9186         \ifdim\@colroom<\z@
9187             \global\@colroom1\p@
9188             \ifdim\cuted@tempdim@a>\colht
9189                 \@latex@warning@no@line{TOP and/or BOT FLOAT's
9190                     to large on \thepage (\var@@thecol@num column)}%
9191             \fi
9192             \@emptycol
9193             \if@firstcolumn
9194             \else
9195                 \@emptycol
9196             \fi
9197             \global\@lastvipertrue
9198         \fi
9199     \fi
9200 \fi
9201 \if@insert
9202 \else
9203     \advance\ht@hold@viper by-\ht@hold@viper
9204     \global\advance\colht by\ht@hold@viper
9205     \global\setbox\hold@viper\ vbox{%
9206         \unvbox\hold@viper
9207         \set@split@topskip@to{\z@ plus2\p@}%
9208         \vsplit\@viper to\colht
9209         \vss
9210     }%
9211     \vbox{%
9212         \global\@firstcolumnfalse
9213         \newpage
9214     \fi
9215 }

```

59 File cvthemebidicasual.sty

```

9216 \NeedsTeXFormat{LaTeX2e}
9217 \ProvidesPackage{cvthemebidicasual}
9218 \DeclareOption{blue}{}
9219 \newif\if@colourorange\@colourorangefalse
9220 \DeclareOption{orange}{\@colourorange true}
9221 \newif\if@colourgreen\@colourgreenfalse
9222 \DeclareOption{green}{\@colourgreentrue}
9223 \newif\if@colourred\@colourredfalse

```



```

9224 \DeclareOption{red}{\@colouredtrue}
9225 \newif\if@colourgrey\@colourgreyfalse
9226 \DeclareOption{grey}{\@colourgreytrue}
9227 \DeclareOption*{
9228   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
9229 \ExecuteOptions{colour}
9230 \ProcessOptions\relax
9231 \renewcommand*{\listitemsymbol}{\textbullet}
9232 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
9233 \familynamecolour{808080}
9234 \firstnamecolour{A9A9A9}
9235 \quotecolour{696969}
9236 \addresscolour{696969}
9237 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
9238 \sectiontitlecolour{1E90FF}
9239 \subsectioncolour{4682B4}
9240 \definecolor{rulecolour}{gray}{0.6}
9241 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
9242 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
9243 \if@colourorange
9244   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
9245   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
9246   \sectiontitlecolour{FF8C00}
9247   \subsectioncolour{FF8C00}
9248   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
9249   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
9250 \if@colourgreen
9251   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
9252   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
9253   \sectiontitlecolour{008000}
9254   \subsectioncolour{008000}
9255   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
9256   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
9257 \if@colouredred
9258   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
9259   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
9260   \sectiontitlecolour{FF0000}
9261   \subsectioncolour{FF0000}
9262   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
9263   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
9264 \if@colourgrey
9265   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
9266   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
9267   \sectiontitlecolour{808080}
9268   \subsectioncolour{808080}
9269   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
9270   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
9271 \renewcommand*{\ttdefault}{pcr}
9272 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
9273 \renewcommand*{\familynamefont}{\firstnamefont}
9274 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
9275 \renewcommand*{\quoteont}{\large\slshape}
9276 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
9277 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}

```



```

9278 \renewcommand*{\maketitle}{%
9279   {%
9280     \ifthenelse{\isundefined{\@photo}}{%
9281       {}%
9282       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
9283     \hfill%
9284     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]%
9285     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
9286   \ifthenelse{\isundefined{\@quote}}{%
9287     {}%
9288     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
9289   }%
9290 \newif\if@firstfooterelement\@firstfooterelementtrue
9291 \providecommand*{\footersymbol}{}
9292 \renewcommand*{\footersymbol}{%
9293   \if@firstfooterelement%
9294   \else%
9295     { ~\color{footersymbolcolor}\textbullet~~}\fi}
9296 \providecommand*{\makefooter}{}
9297 \renewcommand*{\makefooter}{%
9298   \fancypagestyle{plain}{%
9299     \fancyfoot[c]{%
9300       \parbox{0.8\textwidth}{%
9301         \centering%
9302         \addressfont\@addresscolour%
9303         \ifthenelse{\isundefined{\@address}}{}{}%
9304         \addresssymbol~\@address\\%
9305         \@firstfooterelementfalse}%
9306       \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
9307       \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
9308       \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\xaxsymbol~\@fax\@firstfooterelementfalse}%
9309       \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
9310       \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\extrainfo\@firstfooterelementfalse}%
9311     }%
9312   \pagestyle{plain}}
9313 \AtBeginDocument{\makefooter}

```

60 File cvthemebidiclassic.sty

```

9314 \NeedsTeXFormat{LaTeX2e}
9315 \ProvidesPackage{cvthemebidiclassic}
9316 \DeclareOption{blue}{}
9317 \newif\if@colourorange\@colourorangefalse
9318 \DeclareOption{orange}{\@colourorange>true}
9319 \newif\if@colourgreen\@colourgreenfalse
9320 \DeclareOption{green}{\@colourgreentrue}
9321 \newif\if@colourred\@colourredfalse
9322 \DeclareOption{red}{\@colourreddtrue}
9323 \newif\if@colourgrey\@colourgreyfalse
9324 \DeclareOption{grey}{\@colourgreytrue}
9325 \DeclareOption*{
9326   \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
9327 \ExecuteOptions{colour}
9328 \ProcessOptions\relax

```



```

9329 \renewcommand*{\listitemsymbol}{\textbullet}
9330 \firstnamecolour{}
9331 \familynamecolour{}
9332 \titlecolour{808080}
9333 \quotecolour{696969}
9334 \addresscolour{696969}
9335 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
9336 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
9337 \sectiontitlecolour{1E90FF}
9338 \subsectioncolour{4682B4}
9339 \if@colourorange
9340   \addresscolour{FF8C00}
9341   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
9342   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
9343   \sectiontitlecolour{FF8C00}
9344   \subsectioncolour{FF8C00}\fi
9345 \if@colourgreen
9346   \addresscolour{008000}
9347   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
9348   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
9349   \sectiontitlecolour{008000}
9350   \subsectioncolour{008000}\fi
9351 \if@coloured
9352   \addresscolour{FF0000}
9353   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
9354   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
9355   \sectiontitlecolour{FF0000}
9356   \subsectioncolour{FF0000}\fi
9357 \if@colourgrey
9358   \addresscolour{808080}
9359   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
9360   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
9361   \sectiontitlecolour{808080}
9362   \subsectioncolour{808080}\fi
9363 \renewcommand*{\ttdefault}{pcr}
9364 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
9365 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
9366 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
9367 \renewcommand*{\familynamefont}{\firstnamefont}
9368 \renewcommand*{\quotefont}{\large\slshape}
9369 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
9370 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
9371 \newlength{\maketitlenamemaxwidth}
9372 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
9373 \newlength{\maketitlenamefullwidth}
9374 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
9375 \newlength{\maketitlenamewidth}
9376 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
9377 \newlength{\maketitlepicturewidth}
9378 \setlength{\maketitlepicturewidth}{\@photowidth}
9379 \newlength{\maketitledetailwidth}
9380 \renewcommand*{\recomputethemelengths}{%
9381   \setlength{\maketitledetailwidth}{\textwidth}%
9382   \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%

```



```

9383 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
9384 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
9385 \recomputethemelengths
9386 \newif\if@firstdetailselement\@firstdetailselementtrue
9387 \newcommand*{\maketitledetailsnewline}{
9388   \if@firstdetailselement%
9389     \@firstdetailselementfalse%
9390   \else%
9391     \[.2em]\fi}
9392 \renewcommand*{\maketitle}{%
9393   % name and title
9394   \begin{minipage}[b]{\maketitlenamewidth}%
9395     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
9396     \ifthenelse{equal{\@title}{}}{\}[1.25em]\titlestyle{\@title}}%
9397   \end{minipage}%
9398   % optional data
9399   \begin{minipage}[b]{\maketitledetailswidth}%
9400     \bidi@raggedleft\addressfont\addresscolour%
9401     \ifthenelse{\isundefined{\@address}}{\}%
9402     \maketitledetailsnewline%
9403     \addresssymbol~\@address}%
9404     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
9405     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
9406     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
9407     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@e
9408     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
9409   \end{minipage}%
9410   % optional photo
9411   \ifthenelse{\isundefined{\@photo}}{\}%
9412   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
9413   % optional quote
9414   \ifthenelse{\isundefined{\@quote}}{\}%
9415   {\}%
9416   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
9417 }
9418 }

```

61 File dblfnote-xetex-bidi.def

```

9419 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
9420 \let\autofootnoterule\relax
9421 \let\rightfootnoterule\relax
9422 \let\leftfootnoterule\relax
9423 \let\textwidthfootnoterule\relax
9424 \let\LRfootnoterule\relax
9425 \def\footnoterule{\kern-3\p@
9426   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
9427 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
9428 \let\@footnotetext\dfn@footnotetext}
9429 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
9430   \let\insert\dfn@gobble
9431   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
9432   \def\@makefnmark{\smash{\dfn@makefnmark}}
9433   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%

```



```

9434 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
9435 \ifdim\dfn@dima>z@\else
9436 \dfn@dima1sp\relax
9437 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
9438 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
9439 \ifvoid\dfn@ins\else
9440 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
9441 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
9442 \setbox\dfn@boxa\copy\dfn@ins
9443 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9444 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
9445 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
9446 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
9447 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
9448 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
9449 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
9450 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
9451 \let\insert\dfn@gobble
9452 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
9453 \def\@makefnmark{\smash{\dfn@makefnmark}}
9454 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
9455 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
9456 \ifdim\dfn@dima>z@\else
9457 \dfn@dima1sp\relax
9458 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
9459 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
9460 \ifvoid\dfn@ins\else
9461 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
9462 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
9463 \setbox\dfn@boxa\copy\dfn@ins
9464 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9465 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
9466 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
9467 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
9468 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
9469 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
9470 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
9471 \def\dfn@RTLmakecol{\ifvoid\footins\else
9472 \dfn@dima\ht\footins
9473 \@tempcnta\z@ \dfn@countins
9474 \@tempdima\z@ \let\@elt\dfn@elt\getht
9475 \dfn@list\@nil
9476 \ifdim\@tempdima=\z@\else
9477 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
9478 \global\setbox\dfn@ins\box\dfn@ins
9479 \@tempswatrue
9480 \ifdfn@trysingle
9481 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
9482 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
9483 \advance\@tempdima-\skip\footins
9484 \advance\@tempdima-\ht\dfn@boxa
9485 \ifdim\@tempdima<\z@\else \@tempswafalse
9486 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
9487 \footnoterule \unvbox\dfn@boxa}\fi\fi

```



```

9488 \if@tempswa
9489 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
9490 \global\setbox\footins\vbox{\hbox{%
9491 \hskip \DFNcolumnwidth
9492 \hskip\DFNcolumnsep
9493 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
9494 \unvbox\dfn@boxb\vss}\hss}
9495 \hskip -\textwidth
9496 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
9497 \vbox to\@tempdima{
9498 \setbox\@tempboxa\vbox{\footnoterule}
9499 \ifdfn@ruleboth \unvbox\@tempboxa
9500 \else \@tempdima\ht\@tempboxa
9501 \advance\@tempdima\dp\@tempboxa
9502 \vskip\@tempdima
9503 \prevdepth\dp\@tempboxa \fi
9504 \unvbox\dfn@boxa\vss}\fi\hss}
9505 \hskip \DFNcolumnsep
9506 \hskip \DFNcolumnwidth}}\fi\fi
9507 \global\dfn@fnht\z@
9508 \ifx\dfn@list\@empty\else
9509 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
9510 \dfn@list \global\advance\dfn@fnht\dfn@dimb
9511 \let\@elt\relax
9512 \ifdim\dfn@dimb>\z@
9513 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
9514 \insert\footins{\floatingpenalty\@MM
9515 \vbox to\dfn@dimb{}}\fi
9516 \ifdim\dfn@fnht>\@tempdima
9517 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
9518 \global\dfn@fnht\@tempdima
9519 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
9520 \xdef\dfn@afteroutput{\insert\footins{
9521 \floatingpenalty\@MM
9522 \vbox to\number\@tempdimb sp{}}%
9523 \global\let\noexpand\dfn@afteroutput\relax}%
9524 \fi\fi
9525 \fi}%
9526 \let\footnoterule\relax \dfn@latex@makecol
9527 \let\footnoterule\dfn@footnoterule}
9528 \def\dfn@LTRmakecol{\ifvoid\footins\else
9529 \dfn@dima\ht\footins
9530 \@tempcnta\z@ \dfn@countins
9531 \@tempdima\z@ \let\@elt\dfn@elt@getht
9532 \dfn@list\@nil
9533 \ifdim\@tempdima=\z@\else
9534 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
9535 \global\setbox\dfn@ins\box\dfn@ins
9536 \@tempswatrue
9537 \ifdfn@trysingle
9538 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
9539 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
9540 \advance\@tempdima-\skip\footins
9541 \advance\@tempdima-\ht\dfn@boxa

```




```

9542         \ifdim \@tempdima < \z@ \else \@tempswafalse
9543             \global \setbox \footins \vbox {\boxmaxdepth \dfn@fnmaxdp
9544                 \footnoterule \unvbox \dfn@boxa} \fi \fi
9545     \if@tempswa
9546     \dfn@split {\dfn@dima} \dfn@boxa \dfn@boxb \dfn@fnmaxdp \footnotesep
9547     \global \setbox \footins \vbox {\hbox {%
9548         \hbox to \DFNcolumnwidth {\vbox to \@tempdima {\footnoterule
9549             \unvbox \dfn@boxb \vss} \hss} \hskip \DFNcolumnsep
9550         \hbox to \DFNcolumnwidth {\ifvoid \dfn@boxa \else
9551             \vbox to \@tempdima {
9552                 \setbox \@tempboxa \vbox {\footnoterule}
9553                 \ifdfn@ruleboth \unvbox \@tempboxa
9554                 \else \@tempdima \ht \@tempboxa
9555                     \advance \@tempdima \dp \@tempboxa
9556                     \vskip \@tempdima
9557                     \prevdepth \dp \@tempboxa \fi
9558                 \unvbox \dfn@boxa \vss} \fi \hss}} \fi \fi
9559     \global \dfn@fnht \z@
9560     \ifx \dfn@list \@empty \else
9561         \let \@elt \dfn@elt@adjust \dfn@dima \z@ \dfn@dimb \z@
9562         \dfn@list \global \advance \dfn@fnht \dfn@dimb
9563         \let \@elt \relax
9564         \ifdim \dfn@dimb > \z@
9565             \xdef \dfn@list {\@elt {0} {\number \dfn@dimb} \dfn@list} %
9566             \insert \footins {\floatingpenalty \MM
9567                 \vbox to \dfn@dimb {} } \fi
9568         \ifdim \dfn@fnht > \@tempdima
9569             \@tempdimb \@tempdima \advance \@tempdimb - \dfn@fnht
9570             \global \dfn@fnht \@tempdima
9571             \xdef \dfn@list {\dfn@list \@elt {0} {\number \@tempdimb}} %
9572             \xdef \dfn@afteroutput {\insert \footins {
9573                 \floatingpenalty \MM
9574                 \vbox to \number \@tempdimb sp {} } %
9575                 \global \let \noexpand \dfn@afteroutput \relax} %
9576             \fi \fi
9577         \fi} %
9578     \let \footnoterule \relax \dfn@latex@makecol
9579     \let \footnoterule \dfn@footnoterule}
9580 \renewcommand {\dfn@makecol} {\if@RTLmain \dfn@RTLmakecol \else \dfn@LTRmakecol \fi}
9581 \newcommand {\RTLdfnmakecol} {\renewcommand {\dfn@makecol} {\dfn@RTLmakecol}}
9582 \newcommand {\LTRdfnmakecol} {\renewcommand {\dfn@makecol} {\dfn@LTRmakecol}}
9583 \DFNalwaysdouble

```

62 File diagbox-xetex-bidi.def

```

9584 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
9585 \bidi@patchcmd {\diagbox@double} {%
9586     \begin{tabular} {@{\hspace{\diagbox@insepl}} > {\diagbox@font} l@{}}
9587 } {\bidi@@diagbox@double@ii} {} {}
9588 \bidi@patchcmd {\diagbox@double} {%
9589     \begin{tabular} {@{} > {\diagbox@font} r@{\hspace{\diagbox@insepr}}}
9590 } {\bidi@@diagbox@double@iii} {} {}
9591 \newcommand* {\bidi@@diagbox@double@ii} {%
9592     \if@RTL

```



```

9593 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}
9594 \else
9595 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9596 \fi
9597 }
9598 \newcommand*{\bidi@@diagbox@double@iii}{%
9599 \if@RTL
9600 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
9601 \else
9602 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
9603 \fi
9604 }
9605 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9606 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9607 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
9608 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9609 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9610 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
9611 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
9612 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
9613 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
9614 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
9615 \if@RTL
9616 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
9617 \else
9618 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
9619 \fi}
9620 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
9621 \if@RTL
9622 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
9623 \else
9624 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
9625 \fi}
9626 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
9627 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9628 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
9629 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
9630 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9631 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9632 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
9633 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
9634 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
9635 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
9636 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
9637 \if@RTL
9638 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}
9639 \else
9640 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
9641 \fi
9642 }
9643 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
9644 \if@RTL
9645 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
9646 \else

```



```

9647 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}{
9648 \fi
9649 }
9650 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
9651 \bidi@patchcmd{\diagbox@double@pict@SE}{%
9652 \diagbox@setlinecolor
9653 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
9654 }{%
9655 {\diagbox@setlinecolor
9656 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
9657 }{}{}
9658 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
9659 \bidi@patchcmd{\diagbox@double@pict@NE}{%
9660 \diagbox@setlinecolor
9661 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
9662 }{%
9663 {\diagbox@setlinecolor
9664 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
9665 }{}{}
9666 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
9667 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
9668 \diagbox@setlinecolor
9669 \Line(0,\yym)(\x,0)
9670 \Line(\xm,\y)(\x,0)%
9671 }{%
9672 {\diagbox@setlinecolor
9673 \Line(0,\yym)(\x,0)
9674 \Line(\xm,\y)(\x,0)}%
9675 }{}{}
9676 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
9677 \diagbox@setlinecolor
9678 \Line(0,0)(\xxm,\y)
9679 \Line(0,0)(\x,\yym)%
9680 }{%
9681 {\diagbox@setlinecolor
9682 \Line(0,0)(\xxm,\y)
9683 \Line(0,0)(\x,\yym)}%
9684 }{}{}
9685 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
9686 \diagbox@setlinecolor
9687 \Line(0,\ym)(\x,\y)
9688 \Line(\xm,0)(\x,\y)%
9689 }{%
9690 {\diagbox@setlinecolor
9691 \Line(0,\ym)(\x,\y)
9692 \Line(\xm,0)(\x,\y)}%
9693 }{}{}
9694 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
9695 \diagbox@setlinecolor
9696 \Line(0,\y)(\xxm,0)
9697 \Line(0,\y)(\x,\ym)%
9698 }{%
9699 {\diagbox@setlinecolor
9700 \Line(0,\y)(\xxm,0)

```



```

9701 \Line(0,\y)(\x,\ym)}%
9702 }{}{}

```

63 File draftwatermark-xetex-bidi.def

```

9703 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
9704 \renewcommand\SetWatermarkText[1]{%
9705 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

64 File eso-pic-xetex-bidi.def

```

9706 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
9707 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
9708 \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}
9709
9710 \ESO@isMEMOIR{%
9711 \renewcommand\AtTextUpperLeft[1]{%
9712 \begingroup
9713 \ifodd\c@page
9714 \if@RTLmain
9715 \ESO@tempdima=\paperwidth
9716 \advance\ESO@tempdima-\textwidth
9717 \advance\ESO@tempdima-\spinemargin
9718 \else
9719 \ESO@tempdima=\spinemargin
9720 \fi
9721 \else
9722 \if@RTLmain
9723 \ESO@tempdima=\spinemargin
9724 \else
9725 \ESO@tempdima=\paperwidth
9726 \advance\ESO@tempdima-\textwidth
9727 \advance\ESO@tempdima-\spinemargin
9728 \fi
9729 \fi
9730 \ESO@tempdimb=-\uppermargin
9731 \AtPageUpperLeft{%
9732 \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}}%
9733 }%
9734 \endgroup
9735 }
9736 }{}%
9737 \renewcommand\AtTextUpperLeft[1]{%
9738 \begingroup
9739 \ESO@tempdima=1in\relax
9740 \if@twoside
9741 \ifodd\c@page
9742 \if@RTLmain
9743 \advance\ESO@tempdima\evensidemargin
9744 \else
9745 \advance\ESO@tempdima\oddsidemargin
9746 \fi
9747 \else
9748 \if@RTLmain

```



```

9749         \advance\ESO@tempdima\oddsidemargin
9750     \else
9751         \advance\ESO@tempdima\evensidemargin
9752     \fi
9753 \fi
9754 \else
9755     \advance\ESO@tempdima\oddsidemargin
9756 \fi
9757 \ESO@tempdimb=-1in\relax
9758 \advance\ESO@tempdimb-\topmargin
9759 \advance\ESO@tempdimb-\headheight
9760 \advance\ESO@tempdimb-\headsep
9761 \AtPageUpperLeft{%
9762     \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
9763 }%
9764 \endgroup
9765 }
9766 }

```

65 File empheq-xetex-bidi.def

```

9767 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
9768 \MHInternalSyntaxOn
9769 \def\EQ_tag_plus_endmark:{%
9770     \iftagsleft@
9771         \gdef\maketag@@@##1{%
9772             \hfuzz\displaywidth
9773             \if@RTL\makebox[\widthof{##1}][r]{%
9774                 \hbox to \displaywidth{\m@th\normalfont##1\hss
9775                     \raisebox{-\dp\EQ_mathdisplay_box
9776                         -\depthof{\EQ_outerbox:}}{
9777                         {\PotEndMark{\hss}}}}
9778             \else\makebox[\widthof{##1}][l]{%
9779                 \hbox to \displaywidth{\m@th\normalfont##1\hss
9780                     \raisebox{-\dp\EQ_mathdisplay_box
9781                         -\depthof{\EQ_outerbox:}}{
9782                         {\PotEndMark{\hss}}}}\fi}%
9783 \MH_else:
9784     \gdef\maketag@@@##1{%
9785         \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
9786             \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
9787             \MH_addtolength:dn \@tempdima
9788             {\g_EQ_bottomtag_depth_dim+\mintagvsep}
9789             \setlength{\@tempdimb}
9790             {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
9791             +\depthof{\EQ_innerbox:}}}
9792         \MH_if_dim:w \@tempdima>\@tempdimb
9793         \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
9794             -\@tempdima+\g_EQ_bottomrow_depth_dim}
9795         \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
9796         \def\EQ_next:{\raisebox{\@tempdima}}}%
9797 \MH_else:
9798     \def\EQ_next:{
9799         \raisebox{-\dp\EQ_mathdisplay_box

```



```

9800         -\depthof{\EQ_outerbox:{}}}%
9801         \MH_fi:\EQ_next:{}}}%
9802     \MH_fi:}
9803 \def\EQ_post_process:{%
9804     \EQ_initialize:
9805     \EQ_begin_equation:
9806     \MH_if_boolean:nT {outer_mult}{
9807         \setkeys{\MT_options_name:}{
9808             firstline-afterskip=Opt,
9809             lastline-preskip=Opt,
9810             multlined-width=Opt,
9811         }
9812         \ifodd \l_EQ_alignmentmode_int
9813             \setkeys{\MT_options_name:}{multlined-pos=b}
9814         \MH_else:
9815             \setkeys{\MT_options_name:}{multlined-pos=t}
9816         \MH_fi:
9817         \g@addto@macro\EQ_complete_mathdisplay:{
9818             \begin{MTmultlined}\relax
9819         }
9820         \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
9821         \MH_if_boolean:nT {outer_mult}{
9822             \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
9823         }
9824     \EQ_end_equation:
9825     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
9826     \savecounters@
9827     \EQ_typeset_tags:
9828     \edef\l_EQ_equation_fint{\number\c@equation}
9829     \restorecounters@
9830     \Hy@linkcounter=\EQ_hyperref_link_fint
9831     \settowidth\l_EQ_totalwidth_dim{%
9832         $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
9833     \MH_if_boolean:nTF {outer_mult}
9834     { \def\EQ_next:{_mult} }
9835     { \def\EQ_next:{} }
9836     \@nameuse{EQ_modify_linewidth_
9837         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
9838     \EQ_typeset_display:
9839     \@nameuse{EQ_find_displaywidth_
9840         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
9841     \MH_addtolength:dn
9842         \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
9843     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
9844         $\EQ_left_side:
9845         \EQ_innerbox:{%
9846             \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
9847                 \makebox[\l_EQ_displaywidth_dim][c]
9848                 {\usebox{\EQ_mathdisplay_box}}}%
9849             \MH_or:
9850                 \makebox[\l_EQ_displaywidth_dim][c]
9851                 {\usebox{\EQ_mathdisplay_box}}}%
9852             \MH_or:
9853                 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%

```



```

9854 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9855 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9856 \kern-\@mathmargin
9857 \MH_fi:
9858 \MH_fi:
9859 \usebox{\EQ_mathdisplay_box}}%
9860 \else\makebox[\l_EQ_displaywidth_dim][l]{%
9861 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9862 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9863 \kern-\@mathmargin
9864 \MH_fi:
9865 \MH_fi:
9866 \usebox{\EQ_mathdisplay_box}}\fi%
9867 \MH_or:
9868 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
9869 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9870 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9871 \kern-\@mathmargin
9872 \MH_fi:
9873 \MH_fi:
9874 \usebox{\EQ_mathdisplay_box}}
9875 \else\makebox[\l_EQ_displaywidth_dim][l]{%
9876 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
9877 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
9878 \kern-\@mathmargin
9879 \MH_fi:
9880 \MH_fi:
9881 \usebox{\EQ_mathdisplay_box}}\fi%
9882 \MH_fi:}%
9883 \EQ_right_side:$}%
9884 \begin{AmSequation*}
9885 \@nameuse{EQ_place_display_
9886 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
9887 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
9888 \MH_set_boolean_T:n {show_manual_tags}
9889 \MH_if_case:w \l_EQ_alignmentmode_int
9890 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
9891 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
9892 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
9893 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
9894 \MH_fi:
9895 \MH_fi:
9896 \end{AmSequation*}
9897 \global\c@equation=\l_EQ_equation_fint\relax
9898 }
9899 \AtBeginDocument{%
9900 \@ifpackageloaded{fancybox}{%
9901 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
9902 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
9903 \renewcommand*\shadowbox{%
9904 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
9905 \VerbBox\EQ_shadowbox:n}
9906 {\MH_set_boolean_F:n {shadowbox_star}
9907 \VerbBox\EQ_shadowbox:n}}

```



```

9908 \def\EQ_shadowbox:n #1{%
9909 \sbox{\z@}{\fbox{#1}}%
9910 \MH_if_boolean:nTF {shadowbox_star}{
9911 \MH_setlength:dn \@tempdima{\z@}%
9912 }{
9913 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
9914 }
9915 \raisebox{\@tempdima}{%
9916 \if@RTL\makebox[\z@][r]{%
9917 \kern\shadowsize \textcolor{shadowcolor}{%
9918 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
9919 }%
9920 \else\makebox[\z@][l]{%
9921 \kern\shadowsize \textcolor{shadowcolor}{%
9922 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
9923 }\fi%
9924 \usebox\z@\textcolor{shadowcolor}{%
9925 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
9926 }{}%
9927 }
9928 \MHInternalSyntaxOff

```

66 File extarticle-xetex-bidi.def

```

9929 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
9930 \renewcommand*\l@section[2]{%
9931 \ifnum \c@tocdepth >\z@
9932 \addpenalty\@secpenalty
9933 \addvspace{1.0em \@plus\p@}%
9934 \setlength\@tempdima{1.5em}%
9935 \begingroup
9936 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9937 \parfillskip -\@pnumwidth
9938 \leavevmode \bfseries
9939 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9940 \hskip -\if@RTL\rightskip\else\leftskip\fi
9941 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9942 \endgroup
9943 \fi}
9944 \renewcommand*\l@part[2]{%
9945 \ifnum \c@tocdepth >-2\relax
9946 \addpenalty\@secpenalty
9947 \addvspace{2.25em \@plus\p@}%
9948 \begingroup
9949 \setlength\@tempdima{3em}%
9950 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9951 \parfillskip -\@pnumwidth
9952 {\leavevmode
9953 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9954 \nobreak
9955 \endgroup
9956 \fi}
9957 \def\@part[#1]#2{%
9958 \ifnum \c@secnumdepth >\m@ne

```




```

9959     \refstepcounter{part}%
9960     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
9961   \else
9962     \addcontentsline{toc}{part}{#1}%
9963   \fi
9964   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9965     \interlinepenalty \@M
9966     \normalfont
9967     \ifnum \c@secnumdepth >\m@ne
9968       \Large\bfseries \partname~\thepart
9969       \par\nobreak
9970     \fi
9971     \huge \bfseries #2%
9972     \markboth{}{}\par}%
9973   \nobreak
9974   \vskip 3ex
9975   \@afterheading}
9976 \def\@spt#1{%
9977   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9978     \interlinepenalty \@M
9979     \normalfont
9980     \huge \bfseries #1\par}%
9981   \nobreak
9982   \vskip 3ex
9983   \@afterheading}
9984 \renewenvironment{thebibliography}[1]
9985   {\section*{\refname
9986     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
9987     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9988     \bidi@thebibliography@font@hook%
9989     \list{\@biblabel{\@arabic\c@enumiv}}%
9990       {\settowidth\labelwidth{\@biblabel{#1}}%
9991         \leftmargin\labelwidth
9992         \advance\leftmargin\labelsep
9993         \@openbib@code
9994         \usecounter{enumiv}%
9995         \let\p@enumiv\@empty
9996         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9997     \sloppy\clubpenalty4000\widowpenalty4000%
9998     \sfcode\.\@m}
9999   {\def\@noitemerr
10000     {\@latex@warning{Empty `thebibliography' environment}}%
10001     \endlist}
10002 \renewcommand\left@footnoterule{%
10003   \kern-3\p@
10004   \hrule\@width.4\columnwidth
10005   \kern2.6\p@}
10006 \renewcommand\right@footnoterule{%
10007   \kern-3\p@
10008   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10009   \kern2.6\p@}
10010   \if@titlepage
10011   \renewcommand\maketitle{\begin{titlepage}%
10012     \let\footnotesize\small

```



```

10013 \let\right@footnoterule\relax
10014 \let\left@footnoterule\relax
10015 \let\textwidth@footnoterule\relax
10016 \let \footnote \thanks
10017 \null\vfil
10018 \vskip 60\p@
10019 \begin{center}%
10020   {\LARGE \@title \par}%
10021   \vskip 3em%
10022   {\large
10023     \lineskip .75em%
10024     \begin{tabular}[t]{c}%
10025       \@author
10026     \end{tabular}\par}%
10027     \vskip 1.5em%
10028     {\large \@date \par}%           % Set date in \large size.
10029 \end{center}\par
10030 \@thanks
10031 \vfil\null
10032 \end{titlepage}%
10033 \setcounter{footnote}{0}%
10034 \global\let\thanks\relax
10035 \global\let\maketitle\relax
10036 \global\let\@thanks\@empty
10037 \global\let\@author\@empty
10038 \global\let\@date\@empty
10039 \global\let\@title\@empty
10040 \global\let\title\relax
10041 \global\let\author\relax
10042 \global\let\date\relax
10043 \global\let\and\relax
10044 }
10045 \else
10046 \renewcommand\maketitle{\par
10047   \begingroup
10048     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10049     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10050     \long\def\@makefntext##1{\parindent 1em\noindent
10051       \hb@xt@1.8em{%
10052         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10053     \if@twocolumn
10054       \ifnum \col@number=\@one
10055         \@maketitle
10056       \else
10057         \twocolumn[\@maketitle]%
10058       \fi
10059     \else
10060       \newpage
10061       \global\@topnum\z@   % Prevents figures from going at top of page.
10062       \@maketitle
10063     \fi
10064     \thispagestyle{plain}\@thanks
10065   \endgroup
10066   \setcounter{footnote}{0}%

```



```

10067 \global\let\thanks\relax
10068 \global\let\maketitle\relax
10069 \global\let\@maketitle\relax
10070 \global\let\@thanks\@empty
10071 \global\let\@author\@empty
10072 \global\let\@date\@empty
10073 \global\let\@title\@empty
10074 \global\let\title\relax
10075 \global\let\author\relax
10076 \global\let\date\relax
10077 \global\let\and\relax
10078 }
10079 \def\@maketitle{%
10080 \newpage
10081 \null
10082 \vskip 2em%
10083 \begin{center}%
10084 \let \footnote \thanks
10085 {\LARGE \@title \par}%
10086 \vskip 1.5em%
10087 {\large
10088 \lineskip .5em%
10089 \begin{tabular}[t]{c}%
10090 \@author
10091 \end{tabular}\par}%
10092 \vskip 1em%
10093 {\large \@date}%
10094 \end{center}%
10095 \par
10096 \vskip 1.5em}
10097 \fi
10098 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
10099 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10100 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10101 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%

```

67 File extbook-xetex-bidi.def

```

10102 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
10103 \if@titlepage
10104 \renewcommand\maketitle{\begin{titlepage}%
10105 \let\footnotesize\small
10106 \let\right@footnoterule\relax
10107 \let\left@footnoterule\relax
10108 \let\textwidth@footnoterule\relax
10109 \let \footnote \thanks
10110 \let \LTRfootnote \LTRthanks
10111 \let \RTLfootnote \RTLthanks
10112 \null\vfil
10113 \vskip 60\p@
10114 \begin{center}%
10115 {\LARGE \@title \par}%
10116 \vskip 3em%
10117 {\large

```



```

10118 \lineskip .75em%
10119 \begin{tabular}[t]{c}%
10120 \author
10121 \end{tabular}\par}%
10122 \vskip 1.5em%
10123 {\large \@date \par}% % Set date in \large size.
10124 \end{center}\par
10125 \@thanks
10126 \vfil\null
10127 \end{titlepage}%
10128 \setcounter{footnote}{0}%
10129 \global\let\thanks\relax
10130 \global\let\LTRthanks\relax
10131 \global\let\RTLthanks\relax
10132 \global\let\maketitle\relax
10133 \global\let\@thanks\@empty
10134 \global\let\@author\@empty
10135 \global\let\@date\@empty
10136 \global\let\@title\@empty
10137 \global\let\title\relax
10138 \global\let\author\relax
10139 \global\let\date\relax
10140 \global\let\and\relax
10141 }
10142 \else
10143 \renewcommand\maketitle{\par
10144 \begingroup
10145 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10146 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10147 \long\def\@makefntext##1{\parindent 1em\noindent
10148 \hb@xt@1.8em{%
10149 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10150 \if@twocolumn
10151 \ifnum \col@number=\@ne
10152 \@maketitle
10153 \else
10154 \twocolumn[\@maketitle]%
10155 \fi
10156 \else
10157 \newpage
10158 \global\@topnum\z@ % Prevents figures from going at top of page.
10159 \@maketitle
10160 \fi
10161 \thispagestyle{plain}\@thanks
10162 \endgroup
10163 \setcounter{footnote}{0}%
10164 \global\let\thanks\relax
10165 \global\let\LTRthanks\relax
10166 \global\let\RTLthanks\relax
10167 \global\let\maketitle\relax
10168 \global\let\@maketitle\relax
10169 \global\let\@thanks\@empty
10170 \global\let\@author\@empty
10171 \global\let\@date\@empty

```



```

10172 \global\let\@title\@empty
10173 \global\let\title\relax
10174 \global\let\author\relax
10175 \global\let\date\relax
10176 \global\let\and\relax
10177 }
10178 \def\@maketitle{%
10179 \newpage
10180 \null
10181 \vskip 2em%
10182 \begin{center}%
10183 \let \footnote \thanks
10184 \let \LTRfootnote \LTRthanks
10185 \let \RTLfootnote \RTLthanks
10186 {\LARGE \@title \par}%
10187 \vskip 1.5em%
10188 {\large
10189 \lineskip .5em%
10190 \begin{tabular}[t]{c}%
10191 \@author
10192 \end{tabular}\par}%
10193 \vskip 1em%
10194 {\large \@date}%
10195 \end{center}%
10196 \par
10197 \vskip 1.5em}
10198 \fi
10199 \renewcommand*\l@part[2]{%
10200 \ifnum \c@tocdepth >-2\relax
10201 \addpenalty{-\@highpenalty}%
10202 \addvspace{2.25em \@plus\p}%
10203 \begingroup
10204 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
10205 \parfillskip -\pnumwidth
10206 {\leavevmode
10207 \large \bfseries #1\hfil \hb@xt@\pnumwidth{\hss #2}}\par
10208 \nobreak
10209 \global\@nobreaktrue
10210 \everypar{\global\@nobreakfalse\everypar{}}%
10211 \endgroup
10212 \fi}
10213 \renewcommand\theequation
10214 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10215 \renewcommand \thefigure
10216 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10217 \renewcommand \thetable
10218 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10219 \renewcommand \thechapter {\@arabic\c@chapter}
10220 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10221 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10222 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10223 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10224 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10225 \def\@makechapterhead#1{%

```



```

10226 \vspace*{50\p@}%
10227 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10228 \ifnum \c@secnumdepth >\m@ne
10229 \if@mainmatter
10230 \huge\bfseries \@chapapp\space \thechapter
10231 \par\nobreak
10232 \vskip 20\p@
10233 \fi
10234 \fi
10235 \interlinepenalty\@M
10236 \Huge \bfseries #1\par\nobreak
10237 \vskip 40\p@
10238 }}
10239
10240 \def\@makeschapterhead#1{%
10241 \vspace*{50\p@}%
10242 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10243 \normalfont
10244 \interlinepenalty\@M
10245 \Huge \bfseries #1\par\nobreak
10246 \vskip 40\p@
10247 }}
10248 \renewcommand\backmatter{%
10249 \if@openright
10250 \cleardoublepage
10251 \else
10252 \clearpage
10253 \fi
10254 \@mainmatterfalse}
10255 \renewenvironment{thebibliography}[1]
10256 {\chapter*{\bibname
10257 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10258 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10259 \bidi@thebibliography@font@hook%
10260 \list{\@biblabel{\@arabic\c@enumiv}}%
10261 {\settowidth\labelwidth{\@biblabel{#1}}%
10262 \leftmargin\labelwidth
10263 \advance\leftmargin\labelsep
10264 \@openbib@code
10265 \usecounter{enumiv}%
10266 \let\p@enumiv\@empty
10267 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10268 \sloppy
10269 \clubpenalty4000
10270 \@clubpenalty \clubpenalty
10271 \widowpenalty4000%
10272 \sfcode\.\@m}
10273 {\def\@noitemerr
10274 {\@latex@warning{Empty `thebibliography' environment}}}%
10275 \endlist}

```

68 File extletter-xetex-bidi.def

```

10276 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class

```



```

10277 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
10278 \thispagestyle{firstpage}%
10279 {\if@RTL\raggedright\else\raggedleft\fi \@date\par}%
10280 \else % home address
10281 \thispagestyle{empty}%
10282 {\if@RTL\raggedright\begin{tabular}{r{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
10283 \fromaddress \*[2\parskip]%
10284 \@date \end{tabular}\par}%
10285 \fi
10286 \vspace{2\parskip}%
10287 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
10288 \vspace{2\parskip}%
10289 #1\par\nobreak}
10290 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
10291 \stopbreaks
10292 \noindent
10293 \ifx\@empty\fromaddress\else
10294 \hspace*{\longindentation}\fi
10295 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
10296 \ignorespaces #1\ \[6\medskipamount]%
10297 \ifx\@empty\fromsig
10298 \fromname
10299 \else \fromsig \fi\strut}%
10300 \par}
10301 \renewcommand\left@footnoterule{%
10302 \kern-\p@
10303 \hrule \@width .4\columnwidth
10304 \kern .6\p@}
10305 \renewcommand\right@footnoterule{%
10306 \kern-\p@
10307 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10308 \kern .6\p@}

```

69 File extrafootnotefeatures-xetex-bidi.def

```

10309 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote feat
10310 \newif\if@bidi@void@footins
10311 \newif\if@bidi@void@mpfootins
10312 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
10313 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
10314 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
10315 \ifHy@hyperfootnotes
10316 \let\@H@footnotetext\@footnotetext
10317 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
10318 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
10319 \let\@H@mpfootnotetext\@mpfootnotetext
10320 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
10321 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
10322 \fi
10323 }%
10324 }%
10325 }
10326 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
10327 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%

```



```

10328 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{%
10329 \ifHy@hyperfootnotes
10330   \let\H@@footnotetext\@footnotetext
10331   \let\@footnotetext\@H@@footnotetext
10332   \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
10333   \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
10334   \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
10335   \let\@RTLfootnotetext\@HRTL@@RTLfootnotetext
10336   \let\H@@mpfootnotetext\@mpfootnotetext
10337   \let\@mpfootnotetext\@H@@mpfootnotetext
10338   \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
10339   \let\@mpLTRfootnotetext\@HLTR@@mpLTRfootnotetext
10340   \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
10341   \let\@mpRTLfootnotetext\@HRTL@@mpRTLfootnotetext
10342 \fi
10343 }%
10344 }%
10345 }
10346 \let\autofootnoterule\relax
10347 \let\rightfootnoterule\relax
10348 \let\leftfootnoterule\relax
10349 \let\textwidthfootnoterule\relax
10350 \let\LRfootnoterule\relax
10351 \def\footnoterule{\kern-3\p@
10352   \hrule \@width \columnwidth \kern 2.6\p@}
10353 \newcommand{\@preamnormalfmt}{%
10354   \parindent 1em%
10355   \noindent
10356 }
10357 \newcommand{\@normalfootfmt}[1]{%
10358   \@preamnormalfmt
10359   \footfootmark
10360   \rule{z@}{\footnotesep}\ignorespaces{\foottextfont #1}%
10361   \@finalstrut\strutbox
10362 }
10363 \newcommand{\@normalRTLfootfmt}[1]{%
10364   \@preamnormalfmt
10365   \RTLfootfootmark
10366   \rule{z@}{\footnotesep}\ignorespaces{\RTLfoottextfont #1}%
10367   \@finalstrut\strutbox
10368 }
10369 \newcommand{\@normalLTRfootfmt}[1]{%
10370   \@preamnormalfmt
10371   \LTRfootfootmark
10372   \rule{z@}{\footnotesep}\ignorespaces{\LTRfoottextfont #1}%
10373   \@finalstrut\strutbox
10374 }
10375 \renewcommand{\@footnotetext}[1]{%
10376   \insert\footins{%
10377     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10378     \def\baselinestretch{\m@m@footnote@spacing}%
10379     \reset@font
10380     \foottextfont
10381     \@preamfntext

```




```

10382 \hsize\columnwidth
10383 \protected@edef\@currentlabel{%
10384 \csname p@footnote\endcsname\@thefnmark}%
10385 \color@begingroup
10386 \@normalfootfmt{#1}%
10387 \color@endgroup}%
10388 \m@mmf@prepare}
10389 \renewcommand{\@RTLfootnotetext}[1]{%
10390 \insert\footins{%
10391 \@RTLtrue%
10392 \def\baselinestretch{\m@m@footnote@spacing}%
10393 \reset@font
10394 \RTLfoottextfont
10395 \@preamftext
10396 \hsize\columnwidth
10397 \protected@edef\@currentlabel{%
10398 \csname p@footnote\endcsname\@thefnmark}%
10399 \color@begingroup
10400 \@normalRTLfootfmt{#1}%
10401 \color@endgroup}%
10402 \m@mmf@prepare}
10403 \renewcommand{\@LTRfootnotetext}[1]{%
10404 \insert\footins{%
10405 \@RTLfalse%
10406 \def\baselinestretch{\m@m@footnote@spacing}%
10407 \reset@font
10408 \LTRfoottextfont
10409 \@preamftext
10410 \hsize\columnwidth
10411 \protected@edef\@currentlabel{%
10412 \csname p@footnote\endcsname\@thefnmark}%
10413 \color@begingroup
10414 \@normalLTRfootfmt{#1}%
10415 \color@endgroup}%
10416 \m@mmf@prepare}
10417 \renewcommand{\@mpfootnotetext}[1]{%
10418 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10419 \unvbox\@mpfootins
10420 \def\baselinestretch{\m@m@footnote@spacing}%
10421 \reset@font%
10422 \foottextfont \hsize\columnwidth \@parboxrestore
10423 \protected@edef\@currentlabel{%
10424 \csname p@mpfootnote\endcsname\@thefnmark}%
10425 \color@begingroup
10426 \@normalfootfmt{#1}%
10427 \color@endgroup}}
10428 \renewcommand{\@mplTRfootnotetext}[1]{%
10429 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10430 \unvbox\@mpfootins
10431 \def\baselinestretch{\m@m@footnote@spacing}%
10432 \reset@font%
10433 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
10434 \protected@edef\@currentlabel{%
10435 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

10436 \color@begingroup
10437 \normalLTRfootfmt{#1}%
10438 \color@endgroup}}
10439 \renewcommand{\@mpRTLfootnotetext}[1]{%
10440 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10441 \unvbox\@mpfootins
10442 \def\baselinestretch{\m@m@footnote@spacing}%
10443 \reset@font%
10444 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
10445 \protected@edef\@currentlabel{%
10446 \csname p@mpfootnote\endcsname\@thefnmark}%
10447 \color@begingroup
10448 \normalRTLfootfmt{#1}%
10449 \color@endgroup}}
10450 \let\m@mold@footnotetext\@footnotetext
10451 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
10452 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
10453 \let\m@mold@mpfootnotetext\@mpfootnotetext
10454 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
10455 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
10456 \bidi@ensure@newcommand{\normalfootnotes}{%
10457 \@bidi@before@Hy@hyperfootnotes
10458 \let\@footnotetext\m@mold@footnotetext
10459 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
10460 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10461 \let\@mpfootnotetext\m@mold@mpfootnotetext
10462 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
10463 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10464 \@bidi@after@Hy@hyperfootnotes
10465 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10466 }
10467 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
10468 \bidi@ensure@newcommand*\{\RTLcolumnfootnotes}{\@RTLcolumnfootnotesttrue}
10469 \bidi@ensure@newcommand*\{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestfalse}
10470 \bidi@ensure@newcommand*\{\setSingleSpace}[1]{%
10471 \def\m@m@singlespace{#1}%
10472 \def\m@m@footnote@spacing{#1}%
10473 \def\m@m@float@spacing{#1} %
10474 }
10475 \setSingleSpace{1}
10476 \bidi@ensure@newcommand*\{\multiplefootnotemarker}{3sp}
10477 \bidi@ensure@newcommand*\{\m@m@mmf@prepare}{%
10478 \kern-\multiplefootnotemarker
10479 \kern\multiplefootnotemarker\relax}
10480 \bidi@ensure@newlength{\footmarkwidth}
10481 \bidi@ensure@newcommand*\{\footmarkstyle}[1]{\def\footscript##1{#1}}
10482 \bidi@ensure@newcommand*\{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
10483 \bidi@ensure@newcommand*\{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
10484 \bidi@ensure@newcommand{\footfootmark}{%
10485 \ifdim\footmarkwidth < \z@
10486 \llap{\hb@xt@ -\footmarkwidth{%
10487 \hss\normalfont\footscript{\@thefnmark}}%
10488 \hspace*{-\footmarkwidth}}%
10489 \else

```



```

10490 \ifdim\footmarkwidth = \z@
10491 {\normalfont\footscript{\@thefnmark}}%
10492 \else
10493 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
10494 \fi
10495 \fi}
10496 \bidi@ensure@newcommand{\LTRfootfootmark}{%
10497 \ifdim\footmarkwidth < \z@
10498 \llap{\hb@xt@ -\footmarkwidth{%
10499 \hss\normalfont\LTRfootscript{\@thefnmark}}%
10500 \hspace*{-\footmarkwidth}}%
10501 \else
10502 \ifdim\footmarkwidth = \z@
10503 {\normalfont\LTRfootscript{\@thefnmark}}%
10504 \else
10505 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
10506 \fi
10507 \fi}
10508 \bidi@ensure@newcommand{\RTLfootfootmark}{%
10509 \ifdim\footmarkwidth < \z@
10510 \llap{\hb@xt@ -\footmarkwidth{%
10511 \hss\normalfont\RTLfootscript{\@thefnmark}}%
10512 \hspace*{-\footmarkwidth}}%
10513 \else
10514 \ifdim\footmarkwidth = \z@
10515 {\normalfont\RTLfootscript{\@thefnmark}}%
10516 \else
10517 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
10518 \fi
10519 \fi}
10520 \footmarkstyle{\textsuperscript{#1}}
10521 \LTRfootmarkstyle{\textsuperscript{#1}}
10522 \RTLfootmarkstyle{\textsuperscript{#1}}
10523 \newcommand*{\bidi@normal@footmarkwidth}{%
10524 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
10525 }
10526 \newcommand*{\bidi@star@footmarkwidth}{%
10527 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
10528 }
10529 \bidi@normal@footmarkwidth
10530 \bidi@ensure@newcommand{\m@mmdoextrafeet}{\extrafeetins}
10531 \bidi@ensure@newcommand*{\extrafeetins}{%
10532 \setbox\@outputbox \vbox{%
10533 \boxmaxdepth \@maxdepth
10534 \unvbox\@outputbox
10535 \ifvoid\footinsv@r
10536 \ifvoid\footinsv@l
10537 \else
10538 \@footstartv@l
10539 \LTRfootgroupv@l
10540 \fi
10541 \else
10542 \@footstartv@r
10543 \footgroupv@r

```



```

10544     \ifvoid\footinsv@l
10545     \else
10546         \@@footstart@@v@l
10547         \@LTRfootgroupv@l
10548     \fi
10549 \fi
10550 \ifvoid\@bidi@copyins@
10551 \else
10552     \vskip \skip\@bidi@copyins@
10553     \color@begingroup
10554         \normalcolor
10555         \unvbox \@bidi@copyins@
10556     \color@endgroup
10557 \fi
10558 \extrafeetinshook}}
10559 \bidi@ensure@newcommand{\extrafeetinshook}{%
10560 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
10561 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
10562 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
10563 \bidi@ensure@newlength{\footinsdim}
10564 \setlength{\footinsdim}{8in} % standard for \dimen\footins
10565 \bidi@ensure@newcommand{\@preamfntext}{%
10566 \interlinepenalty\interfootnotelinepenalty
10567 \floatingpenalty \@MM
10568 \splittopskip=\footnotesep
10569 \splitmaxdepth=\dp\strutbox
10570 \@parboxrestore}
10571 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
10572 \extrafeetminihook}
10573 \bidi@ensure@newcommand{\extrafeetendmini}{%
10574 \ifvoid\@mpfootinsv@r
10575     \ifvoid\@mpfootinsv@l
10576     \else
10577         \vskip\skip\@mpfootins
10578         \normalcolor
10579         \if@bidi@void@\@mpfootins
10580             \footnoterule
10581         \fi
10582         \mp@LTRfootgroupv@l
10583     \fi
10584 \else
10585     \vskip\skip\@mpfootins
10586     \normalcolor
10587     \if@bidi@void@\@mpfootins
10588         \footnoterule
10589     \fi
10590     \mp@footgroupv@r
10591     \ifvoid\@mpfootinsv@l
10592     \else
10593         \vskip\skip\@mpfootins
10594         \normalcolor\mp@LTRfootgroupv@l
10595     \fi
10596 \fi
10597 \extrafeetendminihook}

```



```

10598 \bidi@ensure@newcommand{\extrafeetendminihook}{%
10599 \bidi@ensure@newcommand{\m@doextrafeetendmini}{\extrafeetendmini}
10600 \def\endminipage{%
10601   \par
10602   \unskip
10603   \ifvoid\@mpfootins
10604     \global\@bidi@void@\mpfootinstrue
10605   \else
10606     \global\@bidi@void@\mpfootinsfalse
10607     \vskip\skip\@mpfootins
10608     \normalcolor
10609     \footnoterule
10610     \unvbox\@mpfootins
10611   \fi
10612   \m@doextrafeetendmini
10613   \@minipagefalse
10614   \color@endgroup
10615   \egroup
10616   \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
10617 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
10618   \@namedef{\@footstart#1}{%
10619     \bidi@mopfn@bottom
10620     \leftskip=\z@
10621     \rightskip=\z@
10622     \parindent=\z@
10623     \vskip\skip\footins
10624     \footnoterule}}
10625 \newinsert\footinsv@r
10626 \skip\footinsv@r\bigskipamount
10627 \count\footinsv@r=1000 % no magnification
10628 \dimen\footinsv@r=\footinsdim
10629 \m@make@footstart{v@r}
10630 \newinsert\footinsv@l
10631 \skip\footinsv@l\bigskipamount
10632 \bidi@ensure@newcommand{\@footgroupv@r}{%
10633   \newinsert\@mpfootinsv@r
10634   \newinsert\@mpfootinsv@l
10635   \bidi@ensure@newcommand{\mp@footgroupv@r}{%
10636     \newcount\m@m@k \newdimen\m@m@h
10637     \@ifpackageloaded{multicol}{%
10638       \bidi@ensure@newcommand*\m@m@k{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
10639         \hspace\textwidth
10640         \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
10641           \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
10642     }{%
10643       \bidi@ensure@newcommand*\m@m@k{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
10644         \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
10645           \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}}
10646   \bidi@ensure@newcommand*\m@mdosplits{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
10647     \global\advance\m@m@k-1\cr\m@mdosplits\fi}
10648   \bidi@ensure@newcommand*\m@msplitoff{\dimen0=\ht0
10649     \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
10650     \setbox2 \vsplit0 to \dimen0
10651     \unvbox2 }

```



```

10652 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
10653   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10654   \@bidi@before@Hy@hyperfootnotes
10655   \let\@footnotetext\@twocolfootnotetext
10656   \let\@LTRfootnotetext\@twocolLTRfootnotetext
10657   \let\@RTLfootnotetext\@twocolRTLfootnotetext
10658   \dimen\footinsv@r=2\footinsdim
10659   \count\footinsv@r=500\relax
10660   \m@make@twocol@footgroup{v@r}%
10661   \let\@footgroupv@r\@twocol@footgroupv@r
10662   \let\@mpfootnotetext\@mptwocolfootnotetext
10663   \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
10664   \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
10665   \@bidi@after@Hy@hyperfootnotes
10666   \m@make@mptwocol@footgroup{v@r}%
10667   \let\mp@footgroupv@r\@mptwocol@footgroupv@r
10668   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10669 }
10670 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
10671   \def\baselinestretch{\m@f@footnote@spacing}%
10672   \reset@font\foottextfont
10673   \@preamfntext
10674   \protected@edef\@currentlabel{%
10675     \csname p@footnote\endcsname\@thefnmark}%
10676   \color@begingroup
10677     \@twocolfootfmt{#1}%
10678   \color@endgroup}%
10679   \m@mmf@prepare}
10680 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
10681   \def\baselinestretch{\m@f@footnote@spacing}%
10682   \reset@font\LTRfoottextfont
10683   \@preamfntext
10684   \protected@edef\@currentlabel{%
10685     \csname p@footnote\endcsname\@thefnmark}%
10686   \color@begingroup
10687     \@twocolLTRfootfmt{#1}%
10688   \color@endgroup}%
10689   \m@mmf@prepare}
10690 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10691   \def\baselinestretch{\m@f@footnote@spacing}%
10692   \reset@font\RTLfoottextfont
10693   \@preamfntext
10694   \protected@edef\@currentlabel{%
10695     \csname p@footnote\endcsname\@thefnmark}%
10696   \color@begingroup
10697     \@twocolRTLfootfmt{#1}%
10698   \color@endgroup}%
10699   \m@mmf@prepare}
10700 \bidi@ensure@newcommand{\@preamtwofmt}{%
10701   \hspace .45\hspace
10702   \parindent=\z@
10703   \tolerance=5000\relax
10704   \leavevmode}
10705 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%

```



```

10706 \@preamtwofmt
10707 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10708 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
10709 \@preamtwofmt
10710 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10711 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
10712 \@preamtwofmt
10713 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10714 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
10715 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10716 \unvbox\@mpfootinsv@r
10717 \def\baselinestretch{\m@m@footnote@spacing}%
10718 \reset@font\foottextfont
10719 \hsize\columnwidth \@parboxrestore
10720 \protected@edef\@currentlabel{%
10721 \csname p@mpfootnote\endcsname\@thefnmark}%
10722 \color@begingroup
10723 \@twocolfootfmt{#1}%
10724 \color@endgroup}%
10725 \m@m@mmf@prepare}
10726 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
10727 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10728 \unvbox\@mpfootinsv@r
10729 \def\baselinestretch{\m@m@footnote@spacing}%
10730 \reset@font\LTRfoottextfont
10731 \hsize\columnwidth \@parboxrestore
10732 \if@RTLcolumnfootnotes\beginL\fi
10733 \protected@edef\@currentlabel{%
10734 \csname p@mpfootnote\endcsname\@thefnmark}%
10735 \color@begingroup
10736 \@twocolLTRfootfmt{#1}%
10737 \color@endgroup}%
10738 \m@m@mmf@prepare}
10739 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
10740 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10741 \unvbox\@mpfootinsv@r
10742 \def\baselinestretch{\m@m@footnote@spacing}%
10743 \reset@font\RTLfoottextfont
10744 \hsize\columnwidth \@parboxrestore
10745 \protected@edef\@currentlabel{%
10746 \csname p@mpfootnote\endcsname\@thefnmark}%
10747 \color@begingroup
10748 \@twocolRTLfootfmt{#1}%
10749 \color@endgroup}%
10750 \m@m@mmf@prepare}
10751 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
10752 \@namedef{@twocol@footgroup#1}{%
10753 \def\baselinestretch{\m@m@footnote@spacing}%
10754 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10755 \m@r@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
10756 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
10757 \@namedef{@mptwocol@footgroup#1}{%
10758 \def\baselinestretch{\m@m@footnote@spacing}%
10759 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

10760 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{\tw@}{\splittopskip}}
10761 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
10762 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
10763 \@bidi@before@Hy@hyperfootnotes
10764 \let\@footnotetext\@threecolfootnotetext
10765 \let\@LTRfootnotetext\@threecolLTRfootnotetext
10766 \let\@RTLfootnotetext\@threecolRTLfootnotetext
10767 \dimen\footinsv@r=3\footinsdim
10768 \count\footinsv@r=333\relax
10769 \m@make@threecol@footgroup{v@r}%
10770 \let\@footgroupv@r\@threecol@footgroupv@r
10771 \let\@mpfootnotetext\@mpthreecolfootnotetext
10772 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
10773 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
10774 \@bidi@after@Hy@hyperfootnotes
10775 \m@make@mpthreecol@footgroup{v@r}%
10776 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
10777 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10778 }
10779 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
10780 \def\baselinestretch{\m@m@footnote@spacing}%
10781 \reset@font\foottextfont
10782 \@preamfntext
10783 \protected@edef\@currentlabel{%
10784 \csname p@footnote\endcsname\@thefnmark}%
10785 \color@begingroup
10786 \@threecolfootfmt{#1}%
10787 \color@endgroup}\m@mmf@prepare}
10788 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
10789 \def\baselinestretch{\m@m@footnote@spacing}%
10790 \reset@font\LTRfoottextfont
10791 \@preamfntext
10792 \protected@edef\@currentlabel{%
10793 \csname p@footnote\endcsname\@thefnmark}%
10794 \color@begingroup
10795 \@threecolLTRfootfmt{#1}%
10796 \color@endgroup}\m@mmf@prepare}
10797 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10798 \def\baselinestretch{\m@m@footnote@spacing}%
10799 \reset@font\RTLfoottextfont
10800 \@preamfntext
10801 \protected@edef\@currentlabel{%
10802 \csname p@footnote\endcsname\@thefnmark}%
10803 \color@begingroup
10804 \@threecolRTLfootfmt{#1}%
10805 \color@endgroup}\m@mmf@prepare}
10806 \bidi@ensure@newcommand{\@preamthreefmt}{%
10807 \hspace{.3\hspace}
10808 \parindent=\z@
10809 \tolerance=5000\relax
10810 \leavevmode}
10811 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
10812 \@preamthreefmt
10813 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```




```

10814 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
10815   \@preamthreefmt
10816   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10817 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
10818   \@preamthreefmt
10819   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10820 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
10821   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10822     \unvbox\@mpfootinsv@r
10823     \def\baselinestretch{\m@m@footnote@spacing}%
10824     \reset@font\foottextfont
10825     \hsize\columnwidth \@parboxrestore
10826     \protected@edef\@currentlabel{%
10827       \csname p@mpfootnote\endcsname\@thefnmark}%
10828     \color@begingroup
10829       \@threecolfootfmt{#1}%
10830     \color@endgroup}\m@mmf@prepare}
10831 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
10832   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10833     \unvbox\@mpfootinsv@r
10834     \def\baselinestretch{\m@m@footnote@spacing}%
10835     \reset@font\LTRfoottextfont
10836     \hsize\columnwidth \@parboxrestore
10837     \if@RTLcolumnfootnotes\beginL\fi
10838     \protected@edef\@currentlabel{%
10839       \csname p@mpfootnote\endcsname\@thefnmark}%
10840     \color@begingroup
10841       \@threecolLTRfootfmt{#1}%
10842     \color@endgroup}\m@mmf@prepare}
10843 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
10844   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10845     \unvbox\@mpfootinsv@r
10846     \def\baselinestretch{\m@m@footnote@spacing}%
10847     \reset@font\RTLfoottextfont
10848     \hsize\columnwidth \@parboxrestore
10849     \protected@edef\@currentlabel{%
10850       \csname p@mpfootnote\endcsname\@thefnmark}%
10851     \color@begingroup
10852       \@threecolRTLfootfmt{#1}%
10853     \color@endgroup}\m@mmf@prepare}
10854 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
10855   \@namedef{\@threecol@footgroup#1}{%
10856     \def\baselinestretch{\m@m@footnote@spacing}%
10857     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10858     \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
10859 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
10860   \@namedef{\@mpthreecol@footgroup#1}{%
10861     \def\baselinestretch{\m@m@footnote@spacing}%
10862     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10863     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@}{\splittopskip}}}}
10864 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
10865   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10866   \@bidi@before@Hy@hyperfootnotes
10867   \let\@footnotetext\@fourcolfootnotetext

```



```

10868 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
10869 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
10870 \dimen\footinsv@r=4\footinsdim
10871 \count\footinsv@r=250\relax
10872 \m@make@fourcol@footgroup{v@r}%
10873 \let\@footgroupv@r\@fourcol@footgroupv@r
10874 \let\@mpfootnotetext\@mpfourcolfootnotetext
10875 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
10876 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
10877 \@bidi@after@Hy@hyperfootnotes
10878 \m@make@mpfourcol@footgroup{v@r}%
10879 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
10880 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
10881 }
10882 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10883 \def\baselinestretch{\m@mm@footnote@spacing}%
10884 \reset@font\foottextfont
10885 \@preamfntext
10886 \protected@edef\@currentlabel{%
10887 \csname p@footnote\endcsname\@thefnmark}%
10888 \color@begingroup
10889 \@fourcolfootfmt{#1}%
10890 \color@endgroup}%
10891 \m@mmf@prepare}
10892 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
10893 \def\baselinestretch{\m@mm@footnote@spacing}%
10894 \reset@font\LTRfoottextfont
10895 \@preamfntext
10896 \protected@edef\@currentlabel{%
10897 \csname p@footnote\endcsname\@thefnmark}%
10898 \color@begingroup
10899 \@fourcolLTRfootfmt{#1}%
10900 \color@endgroup}%
10901 \m@mmf@prepare}
10902 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10903 \def\baselinestretch{\m@mm@footnote@spacing}%
10904 \reset@font\RTLfoottextfont
10905 \@preamfntext
10906 \protected@edef\@currentlabel{%
10907 \csname p@footnote\endcsname\@thefnmark}%
10908 \color@begingroup
10909 \@fourcolRTLfootfmt{#1}%
10910 \color@endgroup}%
10911 \m@mmf@prepare}
10912 \bidi@ensure@newcommand{\@preamfourfmt}{%
10913 \hsize .25\hsize
10914 \parindent=\z@
10915 \tolerance=5000\relax
10916 \leavevmode}
10917 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
10918 \@preamfourfmt
10919 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10920 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
10921 \@preamfourfmt

```



```

10922 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10923 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
10924   \@preamfourfmt
10925   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10926 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
10927   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10928     \unvbox\@mpfootinsv@r
10929     \def\baselinestretch{\m@m@footnote@spacing}%
10930     \reset@font\foottextfont
10931     \hsize\columnwidth \@parboxrestore
10932     \protected@edef\@currentlabel{%
10933       \csname p@mpfootnote\endcsname\@thefnmark}%
10934     \color@begingroup
10935       \@fourcolfootfmt{#1}%
10936     \color@endgroup}%
10937   \m@mmf@prepare}
10938 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
10939   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10940     \unvbox\@mpfootinsv@r
10941     \def\baselinestretch{\m@m@footnote@spacing}%
10942     \reset@font\LTRfoottextfont
10943     \hsize\columnwidth \@parboxrestore
10944     \if@RTLcolumnfootnotes\beginL\fi
10945     \protected@edef\@currentlabel{%
10946       \csname p@mpfootnote\endcsname\@thefnmark}%
10947     \color@begingroup
10948       \@fourcolLTRfootfmt{#1}%
10949     \color@endgroup}%
10950   \m@mmf@prepare}
10951 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
10952   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10953     \unvbox\@mpfootinsv@r
10954     \def\baselinestretch{\m@m@footnote@spacing}%
10955     \reset@font\RTLfoottextfont
10956     \hsize\columnwidth \@parboxrestore
10957     \protected@edef\@currentlabel{%
10958       \csname p@mpfootnote\endcsname\@thefnmark}%
10959     \color@begingroup
10960       \@fourcolRTLfootfmt{#1}%
10961     \color@endgroup}%
10962   \m@mmf@prepare}
10963 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
10964   \@namedef{\@fourcol@footgroup#1}{%
10965     \def\baselinestretch{\m@m@footnote@spacing}%
10966     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10967     \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
10968 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
10969   \@namedef{\@mpfourcol@footgroup#1}{%
10970     \def\baselinestretch{\m@m@footnote@spacing}%
10971     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10972     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}%
10973 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
10974   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10975   \@bidi@before@Hy@hyperfootnotes

```



```

10976 \let\@footnotetext\@fivecolfootnotetext
10977 \let\@LTRfootnotetext\@fivecollTRfootnotetext
10978 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
10979 \dimen\footinsv@r=5\footinsdim
10980 \count\footinsv@r=200\relax
10981 \m@make@fivecol@footgroup{v@r}%
10982 \let\@footgroupv@r\@fivecol@footgroupv@r
10983 \let\@mpfootnotetext\@mpfivecolfootnotetext
10984 \let\@mpLTRfootnotetext\@mpfivecollTRfootnotetext
10985 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
10986 \@bidi@after@Hy@hyperfootnotes
10987 \m@make@mpfivecol@footgroup{v@r}%
10988 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
10989 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
10990 }
10991 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10992 \def\baselinestretch{\m@m@footnote@spacing}%
10993 \reset@font\foottextfont
10994 \@preamfntext
10995 \protected@edef\@currentlabel{%
10996 \csname p@footnote\endcsname\@thefnmark}%
10997 \color@begingroup
10998 \@fivecolfootfmt{#1}%
10999 \color@endgroup}%
11000 \m@m@mmf@prepare}
11001 \bidi@ensure@newcommand{\@fivecollTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
11002 \def\baselinestretch{\m@m@footnote@spacing}%
11003 \reset@font\LTRfoottextfont
11004 \@preamfntext
11005 \protected@edef\@currentlabel{%
11006 \csname p@footnote\endcsname\@thefnmark}%
11007 \color@begingroup
11008 \@fivecollTRfootfmt{#1}%
11009 \color@endgroup}%
11010 \m@m@mmf@prepare}
11011 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11012 \def\baselinestretch{\m@m@footnote@spacing}%
11013 \reset@font\RTLfoottextfont
11014 \@preamfntext
11015 \protected@edef\@currentlabel{%
11016 \csname p@footnote\endcsname\@thefnmark}%
11017 \color@begingroup
11018 \@fivecolRTLfootfmt{#1}%
11019 \color@endgroup}%
11020 \m@m@mmf@prepare}
11021 \bidi@ensure@newcommand{\@preamfivefmt}{%
11022 \hspace{.2\hspace}
11023 \parindent=\z@
11024 \tolerance=5000\relax
11025 \leavevmode}
11026 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
11027 \@preamfivefmt
11028 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11029 \bidi@ensure@newcommand{\@fivecollTRfootfmt}[1]{%

```



```

11030 \preamfivefmt
11031 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11032 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
11033 \preamfivefmt
11034 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11035 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
11036 \global\setbox\@mpfootinsv@r\vbox{\if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
11037 \unvbox\@mpfootinsv@r
11038 \def\baselinestretch{\m@m@footnote@spacing}%
11039 \reset@font\foottextfont
11040 \hsize\columnwidth \@parboxrestore
11041 \protected@edef\@currentlabel{%
11042 \csname p@mpfootnote\endcsname\@thefnmark}%
11043 \color@begingroup
11044 \@fivecolfootfmt{#1}%
11045 \color@endgroup}%
11046 \m@m@prepare}
11047 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
11048 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11049 \unvbox\@mpfootinsv@r
11050 \def\baselinestretch{\m@m@footnote@spacing}%
11051 \reset@font\LTRfoottextfont
11052 \hsize\columnwidth \@parboxrestore
11053 \if@RTLcolumnfootnotes\beginL\fi
11054 \protected@edef\@currentlabel{%
11055 \csname p@mpfootnote\endcsname\@thefnmark}%
11056 \color@begingroup
11057 \@fivecolLTRfootfmt{#1}%
11058 \color@endgroup}%
11059 \m@m@prepare}
11060 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
11061 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11062 \unvbox\@mpfootinsv@r
11063 \def\baselinestretch{\m@m@footnote@spacing}%
11064 \reset@font\RTLfoottextfont
11065 \hsize\columnwidth \@parboxrestore
11066 \protected@edef\@currentlabel{%
11067 \csname p@mpfootnote\endcsname\@thefnmark}%
11068 \color@begingroup
11069 \@fivecolRTLfootfmt{#1}%
11070 \color@endgroup}%
11071 \m@m@prepare}
11072 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
11073 \@namedef{\@fivecol@footgroup#1}{%
11074 \def\baselinestretch{\m@m@footnote@spacing}%
11075 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11076 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
11077 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
11078 \@namedef{\@mpfivecol@footgroup#1}{%
11079 \def\baselinestretch{\m@m@footnote@spacing}%
11080 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11081 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{5}{\splittopskip}}}%
11082 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
11083 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]

```



```

11084 \@bidi@before@Hy@hyperfootnotes
11085 \let\@footnotetext\@sixcolfootnotetext
11086 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
11087 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
11088 \dimen\footinsv@r=6\footinsdim
11089 \count\footinsv@r=166\relax
11090 \m@make@sixcol@footgroup{v@r}%
11091 \let\@footgroupv@r\@sixcol@footgroupv@r
11092 \let\@mpfootnotetext\@mpsixcolfootnotetext
11093 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
11094 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
11095 \@bidi@after@Hy@hyperfootnotes
11096 \m@make@mpsixcol@footgroup{v@r}%
11097 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
11098 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11099 }
11100 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
11101 \def\baselinestretch{\m@footnote@spacing}%
11102 \reset@font\foottextfont
11103 \@preamfntext
11104 \protected@edef\@currentlabel{%
11105 \csname p@footnote\endcsname\@thefnmark}%
11106 \color@begingroup
11107 \@sixcolfootfmt{#1}%
11108 \color@endgroup}%
11109 \m@mmf@prepare}
11110 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
11111 \def\baselinestretch{\m@footnote@spacing}%
11112 \reset@font\LTRfoottextfont
11113 \@preamfntext
11114 \protected@edef\@currentlabel{%
11115 \csname p@footnote\endcsname\@thefnmark}%
11116 \color@begingroup
11117 \@sixcolLTRfootfmt{#1}%
11118 \color@endgroup}%
11119 \m@mmf@prepare}
11120 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11121 \def\baselinestretch{\m@footnote@spacing}%
11122 \reset@font\RTLfoottextfont
11123 \@preamfntext
11124 \protected@edef\@currentlabel{%
11125 \csname p@footnote\endcsname\@thefnmark}%
11126 \color@begingroup
11127 \@sixcolRTLfootfmt{#1}%
11128 \color@endgroup}%
11129 \m@mmf@prepare}
11130 \bidi@ensure@newcommand{\@preamsixfmt}{%
11131 \hspace{.16\hspace}
11132 \parindent=\z@
11133 \tolerance=5000\relax
11134 \leavevmode}
11135 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
11136 \@preamsixfmt
11137 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

11138 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
11139   \@preamsixfmt
11140   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11141 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
11142   \@preamsixfmt
11143   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11144 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
11145   \global\setbox\@mpfootinsv@r\vbox{%
11146     \unvbox\@mpfootinsv@r
11147     \def\baselinestretch{\m@m@footnote@spacing}%
11148     \reset@font\foottextfont
11149     \hsize\columnwidth \@parboxrestore
11150     \protected@edef\@currentlabel{%
11151       \csname p@mpfootnote\endcsname\@thefnmark}%
11152     \color@begingroup
11153       \@sixcolfootfmt{#1}%
11154     \color@endgroup}%
11155   \m@m@mmf@prepare}
11156 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
11157   \global\setbox\@mpfootinsv@r\vbox{%
11158     \unvbox\@mpfootinsv@r
11159     \def\baselinestretch{\m@m@footnote@spacing}%
11160     \reset@font\LTRfoottextfont
11161     \hsize\columnwidth \@parboxrestore
11162     \if@RTLcolumnfootnotes\beginL\fi
11163     \protected@edef\@currentlabel{%
11164       \csname p@mpfootnote\endcsname\@thefnmark}%
11165     \color@begingroup
11166       \@sixcolLTRfootfmt{#1}%
11167     \color@endgroup}%
11168   \m@m@mmf@prepare}
11169 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
11170   \global\setbox\@mpfootinsv@r\vbox{%
11171     \unvbox\@mpfootinsv@r
11172     \def\baselinestretch{\m@m@footnote@spacing}%
11173     \reset@font\RTLfoottextfont
11174     \hsize\columnwidth \@parboxrestore
11175     \protected@edef\@currentlabel{%
11176       \csname p@mpfootnote\endcsname\@thefnmark}%
11177     \color@begingroup
11178       \@sixcolRTLfootfmt{#1}%
11179     \color@endgroup}%
11180   \m@m@mmf@prepare}
11181 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
11182   \@namedef{\@sixcol@footgroup#1}{%
11183     \def\baselinestretch{\m@m@footnote@spacing}%
11184     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11185     \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
11186 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
11187   \@namedef{\@mpsixcol@footgroup#1}{%
11188     \def\baselinestretch{\m@m@footnote@spacing}%
11189     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11190     \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
11191 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%

```




```

11192 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11193 \@bidi@before@Hy@hyperfootnotes
11194 \let\@footnotetext\@sevenscolfootnotetext
11195 \let\@LTRfootnotetext\@sevenscolLTRfootnotetext
11196 \let\@RTLfootnotetext\@sevenscolRTLfootnotetext
11197 \dimen\footinsv@r=7\footinsdim
11198 \count\footinsv@r=142\relax
11199 \m@make@sevenscol@footgroup{v@r}%
11200 \let\@footgroupv@r\@sevenscol@footgroupv@r
11201 \let\@mpfootnotetext\@mpsevenscolfootnotetext
11202 \let\@mpLTRfootnotetext\@mpsevenscolLTRfootnotetext
11203 \let\@mpRTLfootnotetext\@mpsevenscolRTLfootnotetext
11204 \@bidi@after@Hy@hyperfootnotes
11205 \m@make@mpsevenscol@footgroup{v@r}%
11206 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r
11207 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11208 }
11209 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11210 \def\baselinestretch{\m@footnote@spacing}%
11211 \reset@font\foottextfont
11212 \@preamfntext
11213 \protected@edef\@currentlabel{%
11214 \csname p@footnote\endcsname\@thefnmark}%
11215 \color@begingroup
11216 \@sevenscolfootfmt{#1}%
11217 \color@endgroup}%
11218 \m@mmf@prepare}
11219 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
11220 \def\baselinestretch{\m@footnote@spacing}%
11221 \reset@font\LTRfoottextfont
11222 \@preamfntext
11223 \protected@edef\@currentlabel{%
11224 \csname p@footnote\endcsname\@thefnmark}%
11225 \color@begingroup
11226 \@sevenscolLTRfootfmt{#1}%
11227 \color@endgroup}%
11228 \m@mmf@prepare}
11229 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11230 \def\baselinestretch{\m@footnote@spacing}%
11231 \reset@font\RTLfoottextfont
11232 \@preamfntext
11233 \protected@edef\@currentlabel{%
11234 \csname p@footnote\endcsname\@thefnmark}%
11235 \color@begingroup
11236 \@sevenscolRTLfootfmt{#1}%
11237 \color@endgroup}%
11238 \m@mmf@prepare}
11239 \bidi@ensure@newcommand{\@preamsevenfmt}{%
11240 \hsize .142\hsize
11241 \parindent=\z@
11242 \tolerance=5000\relax
11243 \leavevmode}
11244 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
11245 \@preamsevenfmt

```




```

11246 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11247 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
11248   \@preamsevenfmt
11249   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11250 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
11251   \@preamsevenfmt
11252   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11253 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote@RTLtrue\else\@RTLfalse%
11254   \global\setbox\@mpfootinsv@r\vbox{%
11255     \unvbox\@mpfootinsv@r
11256     \def\baselinestretch{\m@m@footnote@spacing}%
11257     \reset@font\foottextfont
11258     \hsize\columnwidth \@parboxrestore
11259     \protected@edef\@currentlabel{%
11260       \csname p@mpfootnote\endcsname\@thefnmark}%
11261     \color@begingroup
11262       \@sevenscolfootfmt{#1}%
11263     \color@endgroup}%
11264   \m@m@mmf@prepare}
11265 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
11266   \global\setbox\@mpfootinsv@r\vbox{%
11267     \unvbox\@mpfootinsv@r
11268     \def\baselinestretch{\m@m@footnote@spacing}%
11269     \reset@font\LTRfoottextfont
11270     \hsize\columnwidth \@parboxrestore
11271     \if@RTLcolumnfootnotes\beginL\fi
11272     \protected@edef\@currentlabel{%
11273       \csname p@mpfootnote\endcsname\@thefnmark}%
11274     \color@begingroup
11275       \@sevenscolLTRfootfmt{#1}%
11276     \color@endgroup}%
11277   \m@m@mmf@prepare}
11278 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
11279   \global\setbox\@mpfootinsv@r\vbox{%
11280     \unvbox\@mpfootinsv@r
11281     \def\baselinestretch{\m@m@footnote@spacing}%
11282     \reset@font\RTLfoottextfont
11283     \hsize\columnwidth \@parboxrestore
11284     \protected@edef\@currentlabel{%
11285       \csname p@mpfootnote\endcsname\@thefnmark}%
11286     \color@begingroup
11287       \@sevenscolRTLfootfmt{#1}%
11288     \color@endgroup}%
11289   \m@m@mmf@prepare}
11290 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
11291   \@namedef{\@sevenscol@footgroup#1}{%
11292     \def\baselinestretch{\m@m@footnote@spacing}%
11293     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11294     \m@m@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
11295 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
11296   \@namedef{\@mpsevenscol@footgroup#1}{%
11297     \def\baselinestretch{\m@m@footnote@spacing}%
11298     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11299     \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{7}{\splittopskip}}}%

```



```

11300 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
11301   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11302   \@bidi@before@Hy@hyperfootnotes
11303   \let\@footnotetext\@eightcolfootnotetext
11304   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
11305   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
11306   \dimen\footinsv@r=8\footinsdim
11307   \count\footinsv@r=125\relax
11308   \m@make@eightcol@footgroup{v@r}%
11309   \let\@footgroupv@r\@eightcol@footgroupv@r
11310   \let\@mpfootnotetext\@mpeightcolfootnotetext
11311   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
11312   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
11313   \@bidi@after@Hy@hyperfootnotes
11314   \m@make@mpeightcol@footgroup{v@r}%
11315   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
11316   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11317 }
11318 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11319   \def\baselinestretch{\m@m@footnote@spacing}%
11320   \reset@font\foottextfont
11321   \@preamfntext
11322   \protected@edef\@currentlabel{%
11323     \csname p@footnote\endcsname\@thefnmark}%
11324   \color@begingroup
11325     \@eightcolfootfmt{#1}%
11326   \color@endgroup}%
11327   \m@mmf@prepare}
11328 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
11329   \def\baselinestretch{\m@m@footnote@spacing}%
11330   \reset@font\LTRfoottextfont
11331   \@preamfntext
11332   \protected@edef\@currentlabel{%
11333     \csname p@footnote\endcsname\@thefnmark}%
11334   \color@begingroup
11335     \@eightcolLTRfootfmt{#1}%
11336   \color@endgroup}%
11337   \m@mmf@prepare}
11338 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11339   \def\baselinestretch{\m@m@footnote@spacing}%
11340   \reset@font\RTLfoottextfont
11341   \@preamfntext
11342   \protected@edef\@currentlabel{%
11343     \csname p@footnote\endcsname\@thefnmark}%
11344   \color@begingroup
11345     \@eightcolRTLfootfmt{#1}%
11346   \color@endgroup}%
11347   \m@mmf@prepare}
11348 \bidi@ensure@newcommand{\@preameightfmt}{%
11349   \hspace{.125\hspace}
11350   \parindent=\z@
11351   \tolerance=5000\relax
11352   \leavevmode}
11353 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%

```



```

11354 \@preameightfmt
11355 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11356 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
11357 \@preameightfmt
11358 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11359 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
11360 \@preameightfmt
11361 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11362 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
11363 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11364 \unvbox\@mpfootinsv@r
11365 \def\baselinestretch{\m@m@footnote@spacing}%
11366 \reset@font\foottextfont
11367 \hsize\columnwidth \@parboxrestore
11368 \protected@edef\@currentlabel{%
11369 \csname p@mpfootnote\endcsname\@thefnmark}%
11370 \color@begingroup
11371 \@eightcolfootfmt{#1}%
11372 \color@endgroup}%
11373 \m@m@mmf@prepare}
11374 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
11375 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11376 \unvbox\@mpfootinsv@r
11377 \def\baselinestretch{\m@m@footnote@spacing}%
11378 \reset@font\LTRfoottextfont
11379 \hsize\columnwidth \@parboxrestore
11380 \if@RTLcolumnfootnotes\beginL\fi
11381 \protected@edef\@currentlabel{%
11382 \csname p@mpfootnote\endcsname\@thefnmark}%
11383 \color@begingroup
11384 \@eightcolLTRfootfmt{#1}%
11385 \color@endgroup}%
11386 \m@m@mmf@prepare}
11387 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
11388 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11389 \unvbox\@mpfootinsv@r
11390 \def\baselinestretch{\m@m@footnote@spacing}%
11391 \reset@font\RTLfoottextfont
11392 \hsize\columnwidth \@parboxrestore
11393 \protected@edef\@currentlabel{%
11394 \csname p@mpfootnote\endcsname\@thefnmark}%
11395 \color@begingroup
11396 \@eightcolRTLfootfmt{#1}%
11397 \color@endgroup}%
11398 \m@m@mmf@prepare}
11399 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
11400 \@namedef{@eightcol@footgroup#1}{%
11401 \def\baselinestretch{\m@m@footnote@spacing}%
11402 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11403 \m@rmrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
11404 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
11405 \@namedef{@mpeightcol@footgroup#1}{%
11406 \def\baselinestretch{\m@m@footnote@spacing}%
11407 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

11408 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{8}{\splittopskip}}
11409 \bidi@ensure@newcommand{\necolfootnotes}{%
11410 \namedef{\foottextfontv@r}{\foottextfont}% % [RS]
11411 \@bidi@before@Hy@hyperfootnotes
11412 \let\@footnotetext\@necolfootnotetext
11413 \let\@LTRfootnotetext\@necolLTRfootnotetext
11414 \let\@RTLfootnotetext\@necolRTLfootnotetext
11415 \dimen\footinsv@r=9\footinsdim
11416 \count\footinsv@r=111\relax
11417 \m@make@necol@footgroup{v@r}%
11418 \let\@footgroupv@r\@necol@footgroupv@r
11419 \let\@mpfootnotetext\@mpnecolfootnotetext
11420 \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
11421 \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
11422 \@bidi@after@Hy@hyperfootnotes
11423 \m@make@mpnecol@footgroup{v@r}%
11424 \let\mp@footgroupv@r\@mpnecol@footgroupv@r
11425 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11426 }
11427 \bidi@ensure@newcommand{\@necolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
11428 \def\baselinestretch{\m@m@footnote@spacing}%
11429 \reset@font\foottextfont
11430 \@preamfntext
11431 \protected@edef\@currentlabel{%
11432 \csname p@footnote\endcsname\@thefnmark}%
11433 \color@begingroup
11434 \@necolfootfmt{#1}%
11435 \color@endgroup}%
11436 \m@mmf@prepare}
11437 \bidi@ensure@newcommand{\@necolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
11438 \def\baselinestretch{\m@m@footnote@spacing}%
11439 \reset@font\LTRfoottextfont
11440 \@preamfntext
11441 \protected@edef\@currentlabel{%
11442 \csname p@footnote\endcsname\@thefnmark}%
11443 \color@begingroup
11444 \@necolLTRfootfmt{#1}%
11445 \color@endgroup}%
11446 \m@mmf@prepare}
11447 \bidi@ensure@newcommand{\@necolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11448 \def\baselinestretch{\m@m@footnote@spacing}%
11449 \reset@font\RTLfoottextfont
11450 \@preamfntext
11451 \protected@edef\@currentlabel{%
11452 \csname p@footnote\endcsname\@thefnmark}%
11453 \color@begingroup
11454 \@necolRTLfootfmt{#1}%
11455 \color@endgroup}%
11456 \m@mmf@prepare}
11457 \bidi@ensure@newcommand{\@preamninefmt}{%
11458 \hsize .1\hsize
11459 \parindent=\z@
11460 \tolerance=5000\relax
11461 \leavevmode}

```



```

11462 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
11463   \@preamninefmt
11464   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11465 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
11466   \@preamninefmt
11467   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11468 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
11469   \@preamninefmt
11470   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11471 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
11472   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11473     \unvbox\@mpfootinsv@r
11474     \def\baselinestretch{\m@m@footnote@spacing}%
11475     \reset@font\foottextfont
11476     \hsize\columnwidth \@parboxrestore
11477     \protected@edef\@currentlabel{%
11478       \csname p@mpfootnote\endcsname\@thefnmark}%
11479     \color@begingroup
11480       \@ninecolfootfmt{#1}%
11481     \color@endgroup}%
11482   \m@mmf@prepare}
11483 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
11484   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11485     \unvbox\@mpfootinsv@r
11486     \def\baselinestretch{\m@m@footnote@spacing}%
11487     \reset@font\LTRfoottextfont
11488     \hsize\columnwidth \@parboxrestore
11489     \if@RTLcolumnfootnotes\beginL\fi
11490     \protected@edef\@currentlabel{%
11491       \csname p@mpfootnote\endcsname\@thefnmark}%
11492     \color@begingroup
11493       \@ninecolLTRfootfmt{#1}%
11494     \color@endgroup}%
11495   \m@mmf@prepare}
11496 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
11497   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11498     \unvbox\@mpfootinsv@r
11499     \def\baselinestretch{\m@m@footnote@spacing}%
11500     \reset@font\RTLfoottextfont
11501     \hsize\columnwidth \@parboxrestore
11502     \protected@edef\@currentlabel{%
11503       \csname p@mpfootnote\endcsname\@thefnmark}%
11504     \color@begingroup
11505       \@ninecolRTLfootfmt{#1}%
11506     \color@endgroup}%
11507   \m@mmf@prepare}
11508 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
11509   \@namedef{\@ninecol@footgroup#1}{%
11510     \def\baselinestretch{\m@m@footnote@spacing}%
11511     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11512     \m@rmrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
11513 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
11514   \@namedef{\@mpninecol@footgroup#1}{%
11515     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

11516 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11517 \m@mrigidbalance{\nameuse{mpfootins#1}}{9}{\splittopskip}}}}
11518 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
11519 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
11520 \@bidi@before@Hy@hyperfootnotes
11521 \let\@footnotetext\@tencolfootnotetext
11522 \let\@LTRfootnotetext\@tencolLTRfootnotetext
11523 \let\@RTLfootnotetext\@tencolRTLfootnotetext
11524 \dimen\footinsv@r=10\footinsdim
11525 \count\footinsv@r=100\relax
11526 \m@make@tencol@footgroup{v@r}%
11527 \let\@footgroupv@r\@tencol@footgroupv@r
11528 \let\@mpfootnotetext\@mptencolfootnotetext
11529 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
11530 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
11531 \@bidi@after@Hy@hyperfootnotes
11532 \m@make@mptencol@footgroup{v@r}%
11533 \let\mp@footgroupv@r\@mptencol@footgroupv@r
11534 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11535 }
11536 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
11537 \def\baselinestretch{\m@mm@footnote@spacing}%
11538 \reset@font\foottextfont
11539 \@preamfntext
11540 \protected@edef\@currentlabel{%
11541 \csname p@footnote\endcsname\@thefnmark}%
11542 \color@begingroup
11543 \@tencolfootfmt{#1}%
11544 \color@endgroup}%
11545 \m@mmf@prepare}
11546 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
11547 \def\baselinestretch{\m@mm@footnote@spacing}%
11548 \reset@font\LTRfoottextfont
11549 \@preamfntext
11550 \protected@edef\@currentlabel{%
11551 \csname p@footnote\endcsname\@thefnmark}%
11552 \color@begingroup
11553 \@tencolLTRfootfmt{#1}%
11554 \color@endgroup}%
11555 \m@mmf@prepare}
11556 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11557 \def\baselinestretch{\m@mm@footnote@spacing}%
11558 \reset@font\RTLfoottextfont
11559 \@preamfntext
11560 \protected@edef\@currentlabel{%
11561 \csname p@footnote\endcsname\@thefnmark}%
11562 \color@begingroup
11563 \@tencolRTLfootfmt{#1}%
11564 \color@endgroup}%
11565 \m@mmf@prepare}
11566 \bidi@ensure@newcommand{\@preamtenfmt}{%
11567 \hsize .1\hsize
11568 \parindent=\z@
11569 \tolerance=5000\relax

```



```

11570 \leavevmode}
11571 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
11572 \@preamtenfmt
11573 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11574 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
11575 \@preamtenfmt
11576 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11577 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
11578 \@preamtenfmt
11579 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11580 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
11581 \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11582 \unvbox\@mpfootinsv\@r
11583 \def\baselinestretch{\m@m@footnote@spacing}%
11584 \reset@font\foottextfont
11585 \hsize\columnwidth \@parboxrestore
11586 \protected@edef\@currentlabel{%
11587 \csname p@mpfootnote\endcsname\@thefnmark}%
11588 \color@begingroup
11589 \@tencolfootfmt{#1}%
11590 \color@endgroup}%
11591 \m@m@mmf@prepare}
11592 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
11593 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
11594 \unvbox\@mpfootinsv\@r
11595 \def\baselinestretch{\m@m@footnote@spacing}%
11596 \reset@font\LTRfoottextfont
11597 \hsize\columnwidth \@parboxrestore
11598 \if@RTLcolumnfootnotes\beginL\fi
11599 \protected@edef\@currentlabel{%
11600 \csname p@mpfootnote\endcsname\@thefnmark}%
11601 \color@begingroup
11602 \@tencolLTRfootfmt{#1}%
11603 \color@endgroup}%
11604 \m@m@mmf@prepare}
11605 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
11606 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
11607 \unvbox\@mpfootinsv\@r
11608 \def\baselinestretch{\m@m@footnote@spacing}%
11609 \reset@font\RTLfoottextfont
11610 \hsize\columnwidth \@parboxrestore
11611 \protected@edef\@currentlabel{%
11612 \csname p@mpfootnote\endcsname\@thefnmark}%
11613 \color@begingroup
11614 \@tencolRTLfootfmt{#1}%
11615 \color@endgroup}%
11616 \m@m@mmf@prepare}
11617 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
11618 \@namedef{\@tencol@footgroup#1}{%
11619 \def\baselinestretch{\m@m@footnote@spacing}%
11620 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11621 \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
11622 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
11623 \@namedef{\@mptencol@footgroup#1}{%

```



```

11624 \def\baselinestretch{\m@m@footnote@spacing}%
11625 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11626 \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
11627 \bidi@ensure@newcommand{\m@munvxh}[1]{%
11628   \setbox0=\vbox{\unvbox#1%
11629     \global\setbox1=\lastbox}%
11630   \unhbox1
11631   \unskip
11632   \unskip
11633   \unpenalty
11634   \hskip\m@mipn@skip}
11635 \bidi@ensure@newcommand{\m@mungebox}{%
11636   \setbox0=\hbox{\m@munvxh0}%
11637   \dp0=\z@
11638   \ht0=\footfudgefactor\wd0
11639   \box0
11640   \penalty0}
11641 \newskip\m@mipn@skip
11642 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
11643   {\foottextfont\global\m@mipn@skip=#1\relax}}
11644 \m@minterparanoteglua{1em plus.4em minus.4em}
11645 \@ifpackageloaded{multicol}{%
11646 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
11647   \hsize\textwidth%
11648   \setbox0=\hbox{}%
11649   \loop
11650     \unpenalty
11651     \setbox2=\lastbox
11652   \ifhbox2
11653     \setbox0=\hbox{\box2\unhbox0}
11654   \repeat}%
11655 }{%
11656 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
11657   \setbox0=\hbox{}%
11658   \loop
11659     \unpenalty
11660     \setbox2=\lastbox
11661   \ifhbox2
11662     \setbox0=\hbox{\box2\unhbox0}
11663   \repeat}}
11664 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
11665   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
11666 \newcommand*{\AddExtraParaSkip}[1]{%
11667   \if@bidi@csdef{footfudgefactor}{%
11668     \PackageError{bidi}{%
11669       The control sequence ``\string\AddExtraParaSkip`
11670       must be used before the control sequence
11671       ``\string\paragraphfootnotes' in the preamble%
11672     }\@ehc
11673   }{%
11674     \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
11675   }%
11676 }
11677 \bidi@ensure@newcommand{\paragraphfootnotes}{%

```




```

11678 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11679 \@bidi@before@Hy@hyperfootnotes
11680 \let\@footnotetext\@parafootnotetext
11681 \let\@LTRfootnotetext\@paraLTRfootnotetext
11682 \let\@RTLfootnotetext\@paraRTLfootnotetext
11683 \dimen\footinsv@r=\footinsdim
11684 \count\footinsv@r=1000\relax
11685 \m@make@para@footgroup{v@r}%
11686 \m@make@para@footstart{v@r}%
11687 \let\@footgroupv@r\@para@footgroupv@r
11688 \let\@footstartv@r\@para@footstartv@r
11689 \dimen\footinsv@l=\footinsdim
11690 \count\footinsv@l=1000\relax
11691 \bidi@make@para@LTRfootgroup{v@l}%
11692 \m@make@para@footstart{v@l}%
11693 \bidi@make@para@footstart@@{v@l}%
11694 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
11695 \let\@footstartv@l\@para@footstartv@l
11696 \let\@@footstart@@v@l\@para@footstart@@v@l
11697 \let\@mpfootnotetext\@mpparafootnotetext
11698 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
11699 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
11700 \@bidi@after@Hy@hyperfootnotes
11701 \m@make@mppara@footgroup{v@r}%
11702 \bidi@make@mppara@LTRfootgroup{v@l}%
11703 \let\mp@footgroupv@r\@mppara@footgroupv@r
11704 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
11705 \begingroup
11706 \def\baselinestretch{\m@m@footnote@spacing}%
11707 \foottextfont
11708 \@tempdima\footnotesep
11709 \advance\@tempdima -\ht\strutbox
11710 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
11711 \advance\@tempdima.5\normalbaselineskip
11712 \bidi@xparaskip
11713 \xdef\bidi@paraskip{\the\@tempdima\relax}%
11714 \ifdim\skip\footinsv@r>\bigskipamount
11715 \else
11716 \global\advance\skip\footinsv@r\bidi@paraskip
11717 \fi
11718 \ifdim\skip\footinsv@l>\bigskipamount
11719 \else
11720 \global\advance\skip\footinsv@l\bidi@paraskip
11721 \fi
11722 \@tempdima\normalbaselineskip
11723 \multiply \@tempdima \@cclvi
11724 \@tempdimb \columnwidth
11725 \divide \@tempdimb \@cclvi
11726 \divide \@tempdima \@tempdimb
11727 \xdef\footfudgefactor{\strip@pt\@tempdima}%
11728 \endgroup
11729 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11730 }
11731 \newcommand{\normalRTLparaLTRfootnotes}{%

```



```

11732 \@namedef{foottextfontv@r}{\foottextfont}%
11733 \@bidi@before@Hy@hyperfootnotes
11734 \if@RTL@footnote
11735   \let\@footnotetext\m@mold@footnotetext
11736 \else
11737   \let\@footnotetext\@parafootnotetext
11738 \fi
11739 \let\@LTRfootnotetext\@paraLTRfootnotetext
11740 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11741 \dimen\footinsv@r=\footinsdim
11742 \count\footinsv@r=1000\relax
11743 \m@make@para@footgroup{v@r}%
11744 \m@make@para@footstart{v@r}%
11745 \let\@footgroupv@r\@para@footgroupv@r
11746 \let\@footstartv@r\@para@footstartv@r
11747 \dimen\footinsv@l=\footinsdim
11748 \count\footinsv@l=1000\relax
11749 \bidi@make@para@LTRfootgroup{v@l}%
11750 \m@make@para@footstart{v@l}%
11751 \bidi@make@para@footstart@@{v@l}%
11752 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
11753 \let\@footstartv@l\@para@footstartv@l
11754 \let\@@footstart@@v@l\@@para@footstart@@v@l
11755 \if@RTL@footnote
11756   \let\@mpfootnotetext\m@mold@mpfootnotetext
11757 \else
11758   \let\@mpfootnotetext\@mpparafootnotetext
11759 \fi
11760 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
11761 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11762 \@bidi@after@Hy@hyperfootnotes
11763 \m@make@mppara@footgroup{v@r}%
11764 \bidi@make@mppara@LTRfootgroup{v@l}%
11765 \let\mp@footgroupv@r\@mppara@footgroupv@r
11766 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
11767 \begingroup
11768 \def\baselinestretch{\m@m@footnote@spacing}%
11769 \foottextfont
11770 \@tempdima\footnotesep
11771 \advance\@tempdima -\ht\strutbox
11772 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
11773 \advance\@tempdima.5\normalbaselineskip
11774 \bidi@xparaskip
11775 \xdef\bidi@paraskip{\the\@tempdima\relax}%
11776 \ifdim\skip\footinsv@r>\bigskipamount
11777 \else
11778   \global\advance\skip\footinsv@r\bidi@paraskip
11779 \fi
11780 \ifdim\skip\footinsv@l>\bigskipamount
11781 \else
11782   \global\advance\skip\footinsv@l\bidi@paraskip
11783 \fi
11784 \@tempdima\normalbaselineskip
11785 \multiply \@tempdima \@cclvi

```



```

11786 \@tempdimb \columnwidth
11787 \divide \@tempdimb \@cclvi
11788 \divide \@tempdima \@tempdimb
11789 \xdef\footfudgefactor{\strip@pt\@tempdima}%
11790 \endgroup
11791 \@ifstar\bidistar@footmarkwidth\bidinormal@footmarkwidth
11792 }
11793 \let\bidixparaskip\relax
11794 \@onlypreamble\AddExtraParaSkip
11795 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
11796 \if@RTL@footnote
11797 \footinsv@r
11798 \else
11799 \footinsv@l
11800 \fi
11801 {%
11802 \let\bidir@RTL@everypar\@empty%
11803 \def\baselinestretch{\m@m@footnote@spacing}%
11804 \reset@font\foottextfont
11805 \@preamfntext
11806 \protected@edef\@currentlabel{%
11807 \csname p@footnote\endcsname\@thefnmark}%
11808 \setbox0=\vbox{\hsize=\maxdimen
11809 \color@begingroup
11810 \noindent \@parafootfmt{#1}%
11811 \color@endgroup}%
11812 \m@mungebox}\m@mmf@prepare}
11813 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
11814 \let\bidir@RTL@everypar\@empty%
11815 \def\baselinestretch{\m@m@footnote@spacing}%
11816 \reset@font\LTRfoottextfont
11817 \@preamfntext
11818 \protected@edef\@currentlabel{%
11819 \csname p@footnote\endcsname\@thefnmark}%
11820 \setbox0=\vbox{\hsize=\maxdimen
11821 \color@begingroup
11822 \noindent \@paraLTRfootfmt{#1}%
11823 \color@endgroup}%
11824 \m@mungebox}\m@mmf@prepare}
11825 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
11826 \let\bidir@RTL@everypar\@empty%
11827 \def\baselinestretch{\m@m@footnote@spacing}%
11828 \reset@font\RTLfoottextfont
11829 \@preamfntext
11830 \protected@edef\@currentlabel{%
11831 \csname p@footnote\endcsname\@thefnmark}%
11832 \setbox0=\vbox{\hsize=\maxdimen
11833 \color@begingroup
11834 \noindent \@paraRTLfootfmt{#1}%
11835 \color@endgroup}%
11836 \m@mungebox}\m@mmf@prepare}
11837 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
11838 \parindent=\z@
11839 \parfillskip=0pt \@plus 1fil

```



```

11840 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
11841 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
11842   \parindent=\z@
11843   \parfillskip=0pt \@plus 1fil
11844   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
11845 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
11846   \parindent=\z@
11847   \parfillskip=0pt \@plus 1fil
11848   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
11849 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
11850   \global\setbox
11851   \if@RTL@footnote
11852     \@mpfootinsv@r
11853   \else
11854     \@mpfootinsv@l
11855   \fi
11856   \vbox{%
11857     \let\bidi@RTL@everypar\@empty%
11858     \def\baselinestretch{\m@m@footnote@spacing}%
11859     \unvbox
11860     \if@RTL@footnote
11861       \@mpfootinsv@r
11862     \else
11863       \@mpfootinsv@l
11864     \fi
11865     \reset@font\foottextfont
11866     \hsize\columnwidth \@parboxrestore
11867     \protected@edef\@currentlabel{%
11868       \csname p@mpfootnote\endcsname\@thefnmark}%
11869     \setbox0=\vbox{\hsize=\maxdimen
11870       \color@begingroup
11871       \noindent \@parafootfmt{#1}%
11872       \color@endgroup}%
11873     \m@mungebox}\m@mmf@prepare}
11874 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
11875   \global\setbox\@mpfootinsv@l\vbox{%
11876     \let\bidi@RTL@everypar\@empty%
11877     \def\baselinestretch{\m@m@footnote@spacing}%
11878     \unvbox\@mpfootinsv@l
11879     \reset@font\LTRfoottextfont
11880     \hsize\columnwidth \@parboxrestore
11881     \protected@edef\@currentlabel{%
11882       \csname p@mpfootnote\endcsname\@thefnmark}%
11883     \setbox0=\vbox{\hsize=\maxdimen
11884       \color@begingroup
11885       \noindent \@paraLTRfootfmt{#1}%
11886       \color@endgroup}%
11887     \m@mungebox}\m@mmf@prepare}
11888 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
11889   \global\setbox\@mpfootinsv@r\vbox{%
11890     \let\bidi@RTL@everypar\@empty%
11891     \def\baselinestretch{\m@m@footnote@spacing}%
11892     \unvbox\@mpfootinsv@r
11893     \reset@font\RTLfoottextfont

```



```

11894 \hsize\columnwidth \@parboxrestore
11895 \protected@edef\@currentlabel{%
11896 \csname p@mpfootnote\endcsname\@thefnmark}%
11897 \setbox0=\vbox{\hsize=\maxdimen
11898 \color@begingroup
11899 \noindent \@paraRTLfootfmt{#1}%
11900 \color@endgroup}%
11901 \m@mungebox\m@mmlf@prepare}
11902 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
11903 \@namedef{@para@footgroup#1}{%
11904 \unvbox\@nameuse{footins#1}
11905 \@RTLtrue
11906 \m@mmakehboxofhboxes
11907 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11908 \@parboxrestore%
11909 \def\baselinestretch{\m@m@footnote@spacing}%
11910 \@nameuse{foottextfont#1}%
11911 \noindent\unhbox0\par}}
11912 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
11913 \@namedef{@para@LTRfootgroup#1}{%
11914 \unvbox\@nameuse{footins#1}
11915 \@RTLfalse
11916 \m@mmakehboxofhboxes
11917 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11918 \@parboxrestore%
11919 \def\baselinestretch{\m@m@footnote@spacing}%
11920 \@nameuse{foottextfont#1}%
11921 \noindent\unhbox0\par}}
11922 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
11923 \@namedef{@mppara@footgroup#1}{%
11924 \unvbox\@nameuse{@mpfootins#1}
11925 \@RTLtrue
11926 \m@mmakehboxofhboxes
11927 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11928 \def\baselinestretch{\m@m@footnote@spacing}%
11929 \@nameuse{foottextfont#1}%
11930 \noindent\unhbox0\par}}
11931 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
11932 \@namedef{@mppara@LTRfootgroup#1}{%
11933 \unvbox\@nameuse{@mpfootins#1}
11934 \@RTLfalse
11935 \m@mmakehboxofhboxes
11936 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
11937 \def\baselinestretch{\m@m@footnote@spacing}%
11938 \@nameuse{foottextfont#1}%
11939 \noindent\unhbox0\par}}
11940 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
11941 \@namedef{@para@footstart#1}{%
11942 \if@bidi@void@footins
11943 \bidi@mopfn@bottom
11944 \fi
11945 \leftskip=\z@
11946 \rightskip=\z@
11947 \parindent=\z@

```



```

11948 \vskip\skip\footins
11949 \if@bidi@void\footins
11950 \footnoterule
11951 \fi}}
11952 \bidi@ensure@newcommand{\bidi@make@para@footstart@}[1]{%
11953 \@namedef{@@para@footstart@@#1}{%
11954 \leftskip=\z@
11955 \rightskip=\z@
11956 \parindent=\z@
11957 \vskip\skip\footins}}
11958 \bidi@ensure@newcommand*\m@m@makecolfloats}{%
11959 \xdef\@freelist{\@freelist\@midlist}%
11960 \global\let\@midlist\@empty
11961 \@combinefloats}
11962 \bidi@ensure@newcommand*\m@m@makecoltext}{%
11963 \ifvbox\@kludgeins
11964 \@makespecialcolbox
11965 \else
11966 \setbox\@outputbox \vbox to\@colht{%
11967 \texttop
11968 \dimen@ \dp\@outputbox
11969 \unvbox \@outputbox
11970 \vskip -\dimen@
11971 \textbottom}%
11972 \fi}
11973 \bidi@ensure@newcommand*\m@m@makecolintro}{%
11974 \bidi@ensure@newcommand*\m@mopfootnote}{\setbox\@outputbox \vbox{%
11975 \boxmaxdepth\@maxdepth
11976 \@tempdima\dp\@cclv
11977 \unvbox\@cclv
11978 \vskip-\@tempdima
11979 \bidi@mopfn@bottom
11980 \vskip \skip\footins
11981 \color@begingroup
11982 \normalcolor
11983 \footnoterule
11984 \unvbox \footins
11985 \color@endgroup
11986 }%
11987 }
11988 \newcommand*\bidi@mopfootnotebf}{%
11989 \setbox\@outputbox \vbox{%
11990 \boxmaxdepth\@maxdepth
11991 \unvbox\@outputbox
11992 \bidi@mopfn@bottom
11993 \vskip\skip\footins
11994 \color@begingroup
11995 \normalcolor
11996 \footnoterule
11997 \unvbox \footins
11998 \color@endgroup
11999 }%
12000 }
12001 \gdef\mem@makecol{%

```



```

12002 \m@m@makecolintro
12003 \ifvoid\footins
12004   \global\@bidi@void@footinstrue
12005   \setbox\@outputbox \box\@cclv
12006 \else
12007   \global\@bidi@void@footinsfalse
12008   \m@mopfootnote
12009 \fi
12010 \m@mdoextrafeet
12011 \m@m@makecolfloats
12012 \m@m@makecoltext
12013 \global \maxdepth \@maxdepth}
12014 \gdef\bidi@makecolbf{%
12015 \m@m@makecolintro
12016 \setbox\@outputbox \box\@cclv
12017 \m@m@makecolfloats
12018 \ifvoid\footins
12019   \global\@bidi@void@footinstrue
12020 \else
12021   \global\@bidi@void@footinsfalse
12022   \bidi@mopfootnotebf
12023 \fi
12024 \m@mdoextrafeet
12025 \m@m@makecoltext
12026 \global \maxdepth \@maxdepth}
12027 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
12028 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
12029 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
12030 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
12031 \FeetAboveFloat
12032 \FeetBelowRagged

```

70 File extreport-xetex-bidi.def

```

12033 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
12034 \renewcommand*\l@part[2]{%
12035   \ifnum \c@tocdepth >-2\relax
12036     \addpenalty{-\@highpenalty}%
12037     \addvspace{2.25em \@plus\p@}%
12038     \begingroup
12039       \setlength\@tempdima{3em}%
12040       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12041       \parfillskip -\@pnumwidth
12042       {\leavevmode
12043         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12044       \nobreak
12045       \global\@nobreaktrue
12046       \everypar{\global\@nobreakfalse\everypar{}}%
12047     \endgroup
12048   \fi}
12049 \renewcommand*\l@chapter[2]{%
12050   \ifnum \c@tocdepth >\m@ne
12051     \addpenalty{-\@highpenalty}%
12052     \vskip 1.0em \@plus\p@

```



```

12053 \setlength\@tempdima{1.5em}%
12054 \begingroup
12055 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12056 \parfillskip -\@pnumwidth
12057 \leavevmode \bfseries
12058 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12059 \hskip -\if@RTL\rightskip\else\leftskip\fi
12060 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12061 \penalty\@highpenalty
12062 \endgroup
12063 \fi}
12064 \def\@makechapterhead#1{%
12065 \vspace*{50\p@}%
12066 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
12067 \ifnum \c@secnumdepth >\m@ne
12068 \huge\bfseries \@chapapp\space \thechapter
12069 \par\nobreak
12070 \vskip 20\p@
12071 \fi
12072 \interlinepenalty\@M
12073 \Huge \bfseries #1\par\nobreak
12074 \vskip 40\p@
12075 }}
12076 \def\@makeschapterhead#1{%
12077 \vspace*{50\p@}%
12078 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
12079 \normalfont
12080 \interlinepenalty\@M
12081 \Huge \bfseries #1\par\nobreak
12082 \vskip 40\p@
12083 }}
12084 \renewcommand\left@footnoterule{%
12085 \kern-3\p@
12086 \hrule\@width.4\columnwidth
12087 \kern2.6\p@}
12088 \renewcommand\right@footnoterule{%
12089 \kern-3\p@
12090 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12091 \kern2.6\p@}
12092 \renewenvironment{thebibliography}[1]
12093 {\chapter*{\bibname
12094 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
12095 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12096 \bidi@thebibliography@font@hook%
12097 \list{\@biblabel{\@arabic{c@enumiv}}}%
12098 {\settowidth\labelwidth{\@biblabel{#1}}%
12099 \leftmargin\labelwidth
12100 \advance\leftmargin\labelsep
12101 \@openbib@code
12102 \usecounter{enumiv}%
12103 \let\p@enumiv\@empty
12104 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
12105 \sloppy\clubpenalty4000\widowpenalty4000%
12106 \sfcode`\.\@m}

```




```

12107     {\def\@noitemerr
12108       {\@latex@warning{Empty `thebibliography' environment}}}%
12109       \endlist}
12110   \if@titlepage
12111     \renewcommand\maketitle{\begin{titlepage}%
12112       \let\footnotesize\small
12113       \let\right@footnoterule\relax
12114       \let\left@footnoterule\relax
12115       \let\textwidth\footnoterule\relax
12116       \let \footnote \thanks
12117       \null\vfil
12118       \vskip 60\p@
12119       \begin{center}%
12120         {\LARGE \@title \par}%
12121         \vskip 3em%
12122         {\large
12123           \lineskip .75em%
12124           \begin{tabular}[t]{c}%
12125             \@author
12126           \end{tabular}\par}%
12127         \vskip 1.5em%
12128         {\large \@date \par}%           % Set date in \large size.
12129       \end{center}\par
12130       \@thanks
12131       \vfil\null
12132     \end{titlepage}%
12133     \setcounter{footnote}{0}%
12134     \global\let\thanks\relax
12135     \global\let\maketitle\relax
12136     \global\let\@thanks\@empty
12137     \global\let\@author\@empty
12138     \global\let\@date\@empty
12139     \global\let\@title\@empty
12140     \global\let\title\relax
12141     \global\let\author\relax
12142     \global\let\date\relax
12143     \global\let\and\relax
12144   }
12145   \else
12146     \renewcommand\maketitle{\par
12147       \begin{group}
12148         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12149         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12150         \long\def\@makefntext##1{\parindent 1em\noindent
12151           \hb@xt@1.8em{\%
12152             \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
12153         \if@twocolumn
12154           \ifnum \col@number=\@one
12155             \@maketitle
12156           \else
12157             \twocolumn[\@maketitle]%
12158           \fi
12159         \else
12160           \newpage

```



```

12161 \global\@topnum\z@ % Prevents figures from going at top of page.
12162 \maketitle
12163 \fi
12164 \thispagestyle{plain}\@thanks
12165 \endgroup
12166 \setcounter{footnote}{0}%
12167 \global\let\thanks\relax
12168 \global\let\maketitle\relax
12169 \global\let\@maketitle\relax
12170 \global\let\@thanks\@empty
12171 \global\let\@author\@empty
12172 \global\let\@date\@empty
12173 \global\let\@title\@empty
12174 \global\let\title\relax
12175 \global\let\author\relax
12176 \global\let\date\relax
12177 \global\let\and\relax
12178 }
12179 \def\@maketitle{%
12180 \newpage
12181 \null
12182 \vskip 2em%
12183 \begin{center}%
12184 \let \footnote \thanks
12185 {\LARGE \@title \par}%
12186 \vskip 1.5em%
12187 {\large
12188 \lineskip .5em%
12189 \begin{tabular}[t]{c}%
12190 \@author
12191 \end{tabular}\par}%
12192 \vskip 1em%
12193 {\large \@date}%
12194 \end{center}%
12195 \par
12196 \vskip 1.5em}
12197 \fi
12198 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
12199 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12200 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
12201 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12202 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
12203 \renewcommand\theequation{%
12204 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12205 \renewcommand\thefigure{%
12206 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12207 \renewcommand\thetable{%
12208 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

71 File fancybox-xetex-bidi.def

```

12209 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
12210 \def\fancy@oval#1#2#3{%
12211 \boxmaxdepth \maxdimen

```



```

12212 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
12213 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
12214 \@ovxx#1\relax
12215 \advance\@ovxx-\@wholewidth
12216 \@ovyy#2\relax
12217 \advance\@ovyy-\@wholewidth
12218 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
12219 \advance\@tempdimb-2\p@
12220 \ifdim\@tempdimb>\the@cornersize\relax
12221 \@tempdimb=\the@cornersize
12222 \fi
12223 \@getcirc\@tempdimb
12224 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
12225 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
12226 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
12227 \@circlefnt
12228 \setbox\@tempboxa\hbox{\beginL%
12229 \if@ovr \@ovvert32\kern -\@tempdima \fi
12230 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
12231 \if@ovt \@ovhorz \kern -\@ovxx \fi
12232 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
12233 \advance\@ovdx\@ovro
12234 \advance\@ovdy\@ovro
12235 \advance\@ovxx\@wholewidth
12236 \wd\@tempboxa=\@ovxx
12237 \dp\@tempboxa=\z@}

```

72 File fancyhdr-xetex-bidi.def

```

12238 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
12239
12240 \let\f@nch@everypar\everypar
12241
12242 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
12243 \f@nch@vbox\headheight{\hbox
12244 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
12245 \parbox[b]{\headwidth}{\centering#3}\hfill
12246 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
12247
12248 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
12249 \f@nch@vbox\footskip{\footrule
12250 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
12251 \parbox[t]{\headwidth}{\centering#3}\hfill
12252 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
12253

```

73 File fix2col-xetex-bidi.def

```

12254 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
12255 \def\RTL@outputdblcol{%
12256 \if@firstcolumn
12257 \global\@firstcolumnfalse
12258 \global\setbox\@leftcolumn\copy\@outputbox
12259 \splitmaxdepth\maxdimen

```



```

12260 \vbadness\maxdimen
12261 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12262 \toks@\expandafter{\topmark}%
12263 \xdef\@firstcoltopmark{\the\toks@}%
12264 \toks@\expandafter{\splitfirstmark}%
12265 \xdef\@firstcolfirstmark{\the\toks@}%
12266 \ifx\@firstcolfirstmark\@empty
12267 \global\let\@setmarks\relax
12268 \else
12269 \gdef\@setmarks{%
12270 \let\firstmark\@firstcolfirstmark
12271 \let\topmark\@firstcoltopmark}%
12272 \fi
12273 \else \global\@firstcolumntrue
12274 \setbox\@outputbox \vbox {\hbox to\textwidth {%
12275 \hskip \columnwidth
12276 \hfil \vrule width\columnseprule \hfil
12277 \hbox to\columnwidth {%
12278 \bidi@firstcolumn@status@write%
12279 \box\@leftcolumn \hss}%
12280 \hskip -\textwidth
12281 \hbox to\columnwidth{%
12282 \bidi@lastcolumn@status@write%
12283 \box\@outputbox \hss}%
12284 \hskip \columnsep
12285 \hskip \columnwidth }}%
12286 \@combinedblfloats \@setmarks \@outputpage
12287 \begingroup \@dblfloatplacement \@startdblcolumn
12288 \@whiles\if@fcolmade \fi
12289 {\@outputpage \@startdblcolumn }\endgroup
12290 \fi}
12291 \def\LTR@outputdblcol{%
12292 \if@firstcolumn
12293 \global\@firstcolumnfalse
12294 \global\setbox\@leftcolumn\copy\@outputbox
12295 \splitmaxdepth\maxdimen
12296 \vbadness\maxdimen
12297 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12298 \toks@\expandafter{\topmark}%
12299 \xdef\@firstcoltopmark{\the\toks@}%
12300 \toks@\expandafter{\splitfirstmark}%
12301 \xdef\@firstcolfirstmark{\the\toks@}%
12302 \ifx\@firstcolfirstmark\@empty
12303 \global\let\@setmarks\relax
12304 \else
12305 \gdef\@setmarks{%
12306 \let\firstmark\@firstcolfirstmark
12307 \let\topmark\@firstcoltopmark}%
12308 \fi
12309 \else
12310 \global\@firstcolumntrue
12311 \setbox\@outputbox\vbox{%
12312 \hb@xt@\textwidth{%
12313 \hb@xt@\columnwidth{%

```



```

12314         \bidi@firstcolumn@status@write%
12315         \box\@leftcolumn \hss}%
12316         \hfil
12317         \vrule \@width\columnseprule
12318         \hfil
12319         \hb@xt@\columnwidth{%
12320         \bidi@lastcolumn@status@write%
12321         \box\@outputbox \hss}}}%
12322 \@combinedblfloats
12323 \setmarks
12324 \outputpage
12325 \begingroup
12326 \dblfloatplacement
12327 \startdblcolumn
12328 \@whiles\if@fcolmade \fi{\@outputpage\startdblcolumn}%
12329 \endgroup
12330 \fi}

```

74 File fleqn-xetex-bidi.def

```

12331 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
12332 \renewcommand\[\relax
12333         \ifmmode\@badmath
12334         \else
12335         \begin{trivlist}%
12336         \beginparpenalty\predisplaypenalty
12337         \endparpenalty\postdisplaypenalty
12338         \item[]\leavevmode
12339         \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
12340         \hskip\mathindent\bgroup
12341         \fi}
12342 \renewcommand\]\relax
12343         \ifmmode
12344         \egroup $\hfil% $
12345         \endL\egroup
12346         \end{trivlist}%
12347         \else \@badmath
12348         \fi}
12349 \renewenvironment{equation}%
12350 {
12351     \beginparpenalty\predisplaypenalty
12352     \endparpenalty\postdisplaypenalty
12353     \refstepcounter{equation}%
12354     \trivlist \item[]\leavevmode
12355     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
12356     \displaystyle
12357     \hskip\mathindent}%
12358     {\$ \hfil % $
12359     \displaywidth\linewidth\hbox{\@eqnnum}%
12360     \endL\egroup
12361     \endtrivlist}

```

75 File float-xetex-bidi.def

```

12361 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]

```



```

12362 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@font #1:} #2}%
12363 \ifdim\wd\@tempboxa>\hsize {\@fs@font #1:} #2\par
12364 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
12365 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
12366 \expandafter\edef\csname the#1\endcsname{%
12367 \expandafter\noexpand\csname
12368 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
12369 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

76 File floatrow-xetex-bidi.def

```

12370 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package]
12371 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
12372 \expandafter\edef\csname the\FB@captype\endcsname{%
12373 \expandafter\noexpand\csname
12374 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}%

```

77 File flowfram-xetex-bidi.def

```

12375 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package]
12376 \def\@outputdblcol{%
12377 \@nxtcol=\c@thisframe
12378 \c@curpg=\c@page
12379 \g@tnextcol{\@nxtcol}%
12380 \if@ff@nwpg % next flow frame starts on new page
12381 \global\@firstcolumntrue
12382 \setcolbox\c@thisframe
12383 \if@specialpage
12384 \global\@specialpagefalse
12385 \nameuse{ps@\@specialstyle}\relax
12386 \fi
12387 \if@twoside
12388 \ifodd\count\z@
12389 \let\@thehead\@oddhead
12390 \let\@thefoot\@oddfoot
12391 \else
12392 \let\@thehead\@evenhead
12393 \let\@thefoot\@evenfoot
12394 \fi
12395 \else
12396 \let\@thehead\@oddhead
12397 \let\@thefoot\@oddfoot
12398 \fi
12399 \beginindvi
12400 \dodynamicthehead\dodynamicthefoot
12401 \vbadness=\@M
12402 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
12403 \combinedblfloats
12404 \outputpage
12405 \advance\c@curpg by -\c@page\relax
12406 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
12407 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
12408 \outputpage}
12409 \begingroup

```



```

12410 \@dblfloatplacement
12411 \@startdblcolumn
12412 \@whilesw \if@fcolmade \fi
12413 {\@outputpage \@startdblcolumn }\endgroup
12414 \@resetst@tics
12415 \@resetdyn@mics
12416 \else % still on same page, save contents of box255
12417 \global\@firstcolumnfalse
12418 \setcolbox\c@thisframe
12419 \fi
12420 \global\c@thisframe=\@nxtcol
12421 \@setcol{\c@thisframe}\relax
12422 \global\@colht\vsiz
12423 }
12424 \def\@outputpage{%
12425 \begingroup
12426 \let\protect\noexpand
12427 \@resetactivechars
12428 \global\let\@if@newlist\if@newlist
12429 \global\@newlistfalse\@parboxrestore
12430 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
12431 \bidi@beforeoutputpageshipouthook
12432 \shipout\vbox{\set@typeset@protect
12433 \aftergroup
12434 \endgroup
12435 \aftergroup
12436 \set@typeset@protect
12437 \reset@font\normalsize
12438 \bidi@font\@outputpage
12439 \normalsfcodes
12440 \let\label\@gobble
12441 \let\index\@gobble
12442 \let\glossary\@gobble
12443 \baselineskip\z@skip
12444 \lineskip\z@skip
12445 \lineskiplimit\z@
12446 \vskip\topmargin\moveright\@themargin
12447 \vbox{%
12448 \global\let\@bidi@BeforeHeader\@firstofone
12449 \bidi@beforeheaderhook
12450 \vskip\headheight
12451 \vskip\headsep
12452 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
12453 \bidi@beforeoutputboxoutputpagehook
12454 \box\@outputbox
12455 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
12456 \bidi@afteroutputboxoutputpagehook
12457 }}%
12458 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
12459 \bidi@afteroutputpageshipouthook
12460 \global\let\if@newlist\@if@newlist
12461 \stepcounter{page}%
12462 \setcounter{displayedframe}{0}%
12463 \let\firstmark\botmark

```



```

12464 \global\let\bidid@AtEndOutputPage\@firstofone
12465 \bidid@atendoutputpagehook
12466 }
12467
12468
12469 \newcommand*\bidid@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{-}{%
12470 \expandafter\bidicolor\ff@txtcol}}
12471
12472 \newcommand{\bidid@ff@box}[3]{\@ffbackground{\vbox to#2
12473 {\hb@xt@ #1{\hss{\bidid@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
12474
12475
12476 \renewcommand*\@docolbox}[1]{%
12477 \edef\ff@frametype{%
12478 \csname @ff@frametype@\romannumeral#1\endcsname}%
12479 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
12480 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
12481 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
12482 \@ff@setoffset{#1}%
12483 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
12484 \ifthenelse{\boolean{columnframe\romannumeral#1}}{-}{%
12485 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
12486 {\csname colheight\romannumeral#1\endcsname}{%
12487 \expandafter\box\csname column\romannumeral#1\endcsname}{%
12488 \csname\ff@frametype\endcsname}%
12489 }{%
12490 \bidid@ff@box{\csname colwidth\romannumeral#1\endcsname}%
12491 {\csname colheight\romannumeral#1\endcsname}{%
12492 \expandafter\box\csname column\romannumeral#1\endcsname}%
12493 }}}
12494 \@ifclassloaded{book}{%
12495 \renewcommand\theequation
12496 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12497 \renewcommand \thefigure
12498 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12499 \renewcommand \thetable
12500 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12501 \renewcommand \thechapter {\@arabic\c@chapter}
12502 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12503 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12504 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
12505 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12506 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
12507 \@ifclassloaded{report}{%
12508 \renewcommand\theequation
12509 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12510 \renewcommand \thefigure
12511 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
12512 \renewcommand \thetable
12513 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
12514 \renewcommand \thechapter {\@arabic\c@chapter}
12515 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
12516 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12517 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}

```




```

12518 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12519 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
12520 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
12521 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
12522 \else
12523 #2\relax
12524 \fi}

```

78 File footnote-xetex-bidi.def

```

12525 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
12526 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
12527 \newif\ifbidi@autofootnoterule
12528 \def\bidi@mpfootnoterule{\footnoterule}
12529 \newcounter{footdir@label}
12530 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
12531 \newcommand*{\footdir@write}{%
12532 \stepcounter{footdir@label}%
12533 \zref@labelbyprops{\thefootdir@label}{abspage}%
12534 }
12535 \newif\iffootdir@debug
12536 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
12537 \newtoks\footdir@toks
12538 \newcommand*{\footdir@debug}[1]{%
12539 \iffootdir@debug
12540 \typeout{[footdir] #1}%
12541 \fi
12542 }
12543 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
12544 % \newcommand*{\footdir@LeftRightElse}{%
12545 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
12546 % \footdir@debug{abspage \the\value{zabspage}: else}%
12547 % \ltx@thirdofthree
12548 % }{%
12549 % \if\csname footdir@the\value{zabspage}\endcsname L%
12550 % \footdir@debug{abspage \the\value{zabspage}: left}%
12551 % \expandafter\ltx@firstofthree
12552 % \else
12553 % \footdir@debug{abspage \the\value{zabspage}: right}%
12554 % \expandafter\ltx@secondofthree
12555 % \fi
12556 % }%
12557 % }%
12558 %}%
12559 \providecommand*{\c@zabspage}{\c@abspage}%
12560 \newcommand*{\footdir@LeftRightElse}{%
12561 \footdir@write
12562 \zifrefundefined{\thefootdir@label}{%
12563 \footdir@debug{abspage ??: else}%
12564 \ltx@thirdofthree
12565 }{%
12566 \edef\footdir@abspage{%
12567 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
12568 }%

```



```

12569 \ltx@ifundefined{footdir@\footdir@abspage}{%
12570 \footdir@debug{\footdir@abspage: else}%
12571 \ltx@thirdofthree
12572 }{%
12573 \if\csname footdir@\footdir@abspage\endcsname L%
12574 \footdir@debug{\footdir@abspage: left}%
12575 \expandafter\ltx@firstofthree
12576 \else
12577 \footdir@debug{\footdir@abspage: right}%
12578 \expandafter\ltx@secondofthree
12579 \fi
12580 }%
12581 }%
12582 }%
12583 }%
12584 \newcommand*{\footdir@fntext}[1]{%
12585 \zifrefundefined{\thefootdir@label}{%
12586 }{%
12587 \edef\footdir@name{%
12588 footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
12589 }%
12590 \@ifundefined{\footdir@name}{%
12591 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
12592 }{%
12593 }%
12594 }
12595
12596 \newcommand*{\footdir@temp}[3]{%
12597 \@ifdefinable{#1}{%
12598 \let#1#2%
12599 \renewcommand{#2}[1]{%
12600 \footdir@write
12601 \footdir@fntext{#3}%
12602 \stepcounter{footdir@label}%
12603 \footdir@fntext{#3}%
12604 \footdir@toks{#1}%
12605 \footdir@toks\expandafter{%
12606 \the\expandafter\footdir@toks
12607 \expandafter
12608 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
12609 }%
12610 \expandafter#1\expandafter{\the\footdir@toks}%
12611 }%
12612 }%
12613 }
12614
12615 \def\right@footnoterule{%
12616 \kern-3\p@
12617 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12618 \kern2.6\p@}
12619 \def\left@footnoterule{\kern-3\p@
12620 \hrule \@width .4\columnwidth \kern 2.6\p@}
12621 \def\textwidth@footnoterule{\kern-3\p@
12622 \hrule \@width \columnwidth \kern 2.6\p@}

```



```

12623 \def\leftfootnoterule{%
12624 \bidi@autofootnoterulefalse%
12625 \def\footnoterule{\left@footnoterule}}
12626 \let\LRfootnoterule=\leftfootnoterule
12627 \def\rightfootnoterule{%
12628 \bidi@autofootnoterulefalse%
12629 \def\footnoterule{\right@footnoterule}}
12630 \def\textwidthfootnoterule{%
12631 \bidi@autofootnoterulefalse%
12632 \def\footnoterule{\textwidth@footnoterule}}
12633
12634
12635
12636 \def\auto@footnoterule{%
12637 \footdir@LeftRightElse%
12638 \left@footnoterule%
12639 \right@footnoterule%
12640 \left@footnoterule%
12641 }
12642
12643
12644
12645 \def\autofootnoterule{%
12646 \bidi@autofootnoteruletrue%
12647 \def\footnoterule{\auto@footnoterule}%
12648 }
12649
12650 \newcommand*{\SplitFootnoteRule}{%
12651 \gdef\split@prev{0}
12652 \let\pagefootnoterule\footnoterule
12653 \let\mpfootnoterule\footnoterule
12654 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
12655 \def\footnoterule{\relax
12656 \ifx \@listdepth\@mplistdepth
12657 \mpfootnoterule
12658 \else
12659 \ifnum\split@prev=\z@
12660 \pagefootnoterule
12661 \else
12662 \splitfootnoterule
12663 \fi
12664 \xdef\split@prev{\the\insertpenalties}%
12665 \fi
12666 }%
12667 }
12668
12669
12670
12671
12672 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
12673 \protected@xdef\@thefnmark{\thempfn}}%
12674 \@footnotemark\@RTLfootnotetext}}
12675 \def\@xRTLfootnote[#1]{%
12676 \begingroup

```



```

12677 \csname c@\mpfn\endcsname #1\relax
12678 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12679 \endgroup
12680 \@footnotemark\@RTLfootnotetext}
12681 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\mpfn
12682 \protected@xdef\@thefnmark{\thempfn}%
12683 \@footnotemark\@LTRfootnotetext}}
12684 \def\@xLTRfootnote[#1]{%
12685 \begingroup
12686 \csname c@\mpfn\endcsname #1\relax
12687 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12688 \endgroup
12689 \@footnotemark\@LTRfootnotetext}
12690
12691
12692 \def\setfootnoterL{\@RTLfootnotetrue}
12693 \def\unsetfootnoterL{\@RTLfootnotefalse}
12694 \def\setfootnoterR{\unsetfootnoterL}
12695
12696 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
12697 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
12698 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
12699
12700 \long\def\@footnotetext#1{\insert\footins{%
12701 \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
12702 \reset@font%
12703 \bidi@footnotetext@font% \reset@font\footnotesize
12704 \interlinepenalty\interfootnotelinepenalty
12705 \splittopskip\footnotesep
12706 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
12707 \hsize\columnwidth \@parboxrestore
12708 \protected@edef\@currentlabel{%
12709 \csname p@footnote\endcsname\@thefnmark
12710 }%
12711 \color@begingroup
12712 \@makefntext{%
12713 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12714 \color@endgroup}}%
12715
12716
12717 \long\def\@RTLfootnotetext#1{\insert\footins{%
12718 \@RTLtrue%
12719 \reset@font%
12720 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
12721 \interlinepenalty\interfootnotelinepenalty
12722 \splittopskip\footnotesep
12723 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
12724 \hsize\columnwidth \@parboxrestore
12725 \protected@edef\@currentlabel{%
12726 \csname p@footnote\endcsname\@thefnmark
12727 }%
12728 \color@begingroup
12729 \@makefntext{%
12730 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%

```



```

12731 \color@endgroup}}%
12732
12733 \long\def\@LTRfootnotetext#1{\insert\footins{%
12734 \@RTLfalse%
12735 \reset@font%
12736 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
12737 \interlinepenalty\interfootnotelinepenalty
12738 \splittopskip\footnotesep
12739 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
12740 \hsize\columnwidth \@parboxrestore
12741 \protected@edef\@currentlabel{%
12742 \csname p@footnote\endcsname\@thefnmark
12743 }%
12744 \color@begingroup
12745 \@makefntext{%
12746 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12747 \color@endgroup}}%
12748
12749 \AtBeginDocument{%
12750 \if@RTL@footnote
12751 \newcommand*{\bidi@footdir@footnote}{R}
12752 \else
12753 \newcommand*{\bidi@footdir@footnote}{L}
12754 \fi%
12755 }
12756
12757 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
12758 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
12759 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
12760
12761 \long\def\@mpRTLfootnotetext#1{%
12762 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
12763 \global\setbox\@mpfootins\vbox{\@RTLtrue%
12764 \unvbox\@mpfootins
12765 \reset@font%
12766 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
12767 \hsize\columnwidth
12768 \@parboxrestore
12769 \protected@edef\@currentlabel
12770 {\csname p@mpfootnote\endcsname\@thefnmark}%
12771 \color@begingroup
12772 \@makefntext{%
12773 \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12774 \color@endgroup}}
12775 \long\def\@mpLTRfootnotetext#1{%
12776 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footno
12777 \global\setbox\@mpfootins\vbox{\@RTLfalse%
12778 \unvbox\@mpfootins
12779 \reset@font%
12780 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
12781 \hsize\columnwidth
12782 \@parboxrestore
12783 \protected@edef\@currentlabel
12784 {\csname p@mpfootnote\endcsname\@thefnmark}%

```



```

12785 \color@begingroup
12786 \makefnintext{%
12787 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12788 \color@endgroup}}
12789 \long\def\@mpfootnotetext#1{%
12790 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\@bidi@mpfootnote
12791 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12792 \unvbox\@mpfootins
12793 \reset@font%
12794 \bidi@@footnotetext@font% \reset@font\footnotesize
12795 \hsize\columnwidth
12796 \@parboxrestore
12797 \protected@edef\@currentlabel
12798 {\csname p@mpfootnote\endcsname\@thefnmark}%
12799 \color@begingroup
12800 \makefnintext{%
12801 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
12802 \color@endgroup}}
12803 \def\@iiiminipage#1#2[#3]#4{%
12804 \leavevmode
12805 \@pboxswfalse
12806 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
12807 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
12808 \setlength\@tempdima{#4}%
12809 \def\@mpargs{{#1}{#2}{#3}{#4}}%
12810 \setbox\@tempboxa\vbox\bgroup
12811 \color@begingroup
12812 \hsize\@tempdima
12813 \textwidth\hsize \columnwidth\hsize
12814 \@parboxrestore
12815 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
12816 \let\@footnotetext\@mpfootnotetext
12817 \let\@LTRfootnotetext\@mpLTRfootnotetext
12818 \let\@RTLfootnotetext\@mpRTLfootnotetext
12819 \let\@listdepth\@mplistdepth \@mplistdepth\z@
12820 \@minipagerestore
12821 \setminipage}
12822 \def\endminipage{%
12823 \par
12824 \unskip
12825 \ifvoid\@mpfootins\else
12826 \vskip\skip\@mpfootins
12827 \normalcolor
12828 \bidi@mpfootnoterule
12829 \unvbox\@mpfootins
12830 \fi
12831 \@minipagefalse %% added 24 May 89
12832 \color@endgroup
12833 \egroup
12834 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
12835 \def\LTRthanks#1{\footnotemark
12836 \protected@xdef\@thanks{\@thanks
12837 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
12838 }

```



```

12839 \def\LTRfootnotetext{%
12840     \@ifnextchar [\@xLTRfootnotenext
12841         {\protected@xdef\@thefnmark{\thempfn}%
12842         \@LTRfootnotetext}}
12843 \def\@xLTRfootnotenext[#1]{%
12844     \begingroup
12845         \csname c@\mpfn\endcsname #1\relax
12846         \unrestored@protected@xdef\@thefnmark{\thempfn}%
12847     \endgroup
12848     \@LTRfootnotetext}
12849 \def\RTLthanks#1{\footnotemark
12850     \protected@xdef\@thanks{\@thanks
12851         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
12852 }
12853 \let\@thanks\@empty
12854 \def\RTLfootnotetext{%
12855     \@ifnextchar [\@xRTLfootnotenext
12856         {\protected@xdef\@thefnmark{\thempfn}%
12857         \@RTLfootnotetext}}
12858 \def\@xRTLfootnotenext[#1]{%
12859     \begingroup
12860         \csname c@\mpfn\endcsname #1\relax
12861         \unrestored@protected@xdef\@thefnmark{\thempfn}%
12862     \endgroup
12863     \@RTLfootnotetext}
12864 \leftfootnoterule

```

79 File footnotebackref-xetex-bidi.def

```

12865 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
12866 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
12867 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
12868
12869 \renewcommand*\LTRfootnote{%
12870     \refstepcounter{BackrefHyperFootnoteCounter}%
12871     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
12872     \label{\BackrefFootnoteTag}%
12873     \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
12874
12875 \renewcommand*\RTLfootnote{%
12876     \refstepcounter{BackrefHyperFootnoteCounter}%
12877     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
12878     \label{\BackrefFootnoteTag}%
12879     \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
12880 \newcommand\Backref@HyperLTRFootnote[1]{%
12881     \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
12882
12883 \newcommand\Backref@HyperRTLFootnote[1]{%
12884     \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
12885
12886 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
12887     \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
12888
12889 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%

```



```

12890 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
12891
12892 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
12893 \ifFootnoteBackref@numberlinked
12894 \renewcommand{\footfootmark}{%
12895 \ifdim\footmarkwidth < \z@
12896 \llap{\hb@xt@ -\footmarkwidth{%
12897 \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12898 \hspace*{-\footmarkwidth}}}%
12899 \else
12900 \ifdim\footmarkwidth = \z@
12901 {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12902 \else
12903 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12904 \fi
12905 \fi}
12906 \renewcommand{\LTRfootfootmark}{%
12907 \ifdim\footmarkwidth < \z@
12908 \llap{\hb@xt@ -\footmarkwidth{%
12909 \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12910 \hspace*{-\footmarkwidth}}}%
12911 \else
12912 \ifdim\footmarkwidth = \z@
12913 {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12914 \else
12915 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12916 \fi
12917 \fi}
12918 \renewcommand{\RTLfootfootmark}{%
12919 \ifdim\footmarkwidth < \z@
12920 \llap{\hb@xt@ -\footmarkwidth{%
12921 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12922 \hspace*{-\footmarkwidth}}}%
12923 \else
12924 \ifdim\footmarkwidth = \z@
12925 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12926 \else
12927 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
12928 \fi
12929 \fi}
12930 \fi
12931 }

```

80 File framed-xetex-bidi.def

```

12932 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
12933 \renewcommand\TitleBarFrame[3][\begingroup
12934 \ifx\delimiter#1\delimiter
12935 \let\TF@conlab\@empty
12936 \else
12937 \def\TF@conlab{% continuation label
12938 \nointerlineskip
12939 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
12940 \fi

```




```

12941 %\let\TF@savecolor\current@color
12942 \textcolor{TFFrameColor}{%
12943 \CustomFBox
12944   {\TF@Title{#2}}{\TF@conlab}%
12945   \fboxrule\fboxrule\fboxrule\fboxrule
12946   %{\let\current@color\TF@savecolor\set@color #3}%
12947   {\normalcolor #3}%
12948 } \endgroup
12949 }
12950 \renewenvironment{titled-frame}[1]{%
12951   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
12952     \TitleBarFrame{\textbf{#1}}}%
12953   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
12954     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1}}}%
12955   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
12956     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1\ (con
12957   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
12958     \TitleBarFrame{\textbf{#1\ (cont)}}}%
12959   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
12960 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
12961 % could interfere with the width measurement.
12962 {\endMakeFramed}
12963 \chardef\FrameRestore=\catcode`\| % for debug
12964 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
12965 \def\fb@put@frame#1#2{\relax
12966   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
12967 | \message{===== Entering putframe =====}~J
12968 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
12969 \ifinner
12970   \fb@putboxa#1%
12971   \fb@afterframe
12972 \else
12973   \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
12974   \ifdim\dimen@<2\baselineskip % Too little room on page
12975 | \message{Page has only \the\dimen@ space room left; eject.}%
12976   \eject \fb@adjheight \fb@put@frame#1#2%
12977 \else % there's appreciable room left on the page
12978   \fb@sizeofframe#1%
12979 | \message{\string\pagetotal=\the\pagetotal,
12980 | \string\pagegoal=\the\pagegoal,
12981 | \string\pagestretch=\the\pagestretch,
12982 | \string\pageshrink=\the\pageshrink,
12983 | \string\fb@frh=\the\fb@frh. \space}
12984 | \message{^JBox of size \the\ht\@tempboxa\space}%
12985   \begingroup % temporarily set \dimen@ to be...
12986   \advance\dimen@.8\pageshrink % maximum space available on page
12987   \advance\dimen@-\fb@frh\relax % max space available for frame's contents
12988 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
12989   \expandafter\endgroup
12990   % expand \ifdim, then restore \dimen@ to real room left on page
12991   \ifdim\dimen@>\ht\@tempboxa % whole box does fit
12992 | \message{fits in \the\dimen@.}%
12993   % ToDo: Change this to use vsplit anyway to capture the marks
12994   % MERGE THIS WITH THE else CLAUSE!!!

```



```

12995      \fb@putboxa#1%
12996      \fb@afterframe
12997 \else % box must be split
12998 |      \message{must be split to fit in \the\dimen@.}%
12999      % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
13000      \fb@sizeofframe#2%
13001      \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
13002          \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
13003          \kern137sp\kern-137sp\penalty-30
13004          \unvbox\@tempboxa}%
13005      \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
13006          \splittopskip\the\splittopskip}%
13007      \boxmaxdepth\z@ \splittopskip\z@
13008 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
13009      % Split box here
13010      \setbox\@tw@\vsplit\@tempboxa to\dimen@
13011 |      \toks99\expandafter{\splitfirstmark}%
13012 |      \toks98\expandafter{\splitbotmark}%
13013 |      \message{Marks are: \the\toks99, \the\toks98.}%
13014      \setbox\@tw@\vbox{\unvbox\@tw@}% natural-sized
13015 | \message{Natural height of split box is \the\ht\@tw@, leaving
13016 |      \the\ht\@tempboxa\space remainder.}%
13017      % If the split-to size > (\vsize-\topskip), then set box to full size.
13018      \begingroup
13019      \advance\dimen@\topskip
13020      \expandafter\endgroup
13021      \ifdim\dimen@>\pagegoal
13022 |      \message{Frame is big -- Use up the full column.}%
13023      \dimen@ii\pagegoal
13024      \advance\dimen@ii -\topskip
13025      \advance\dimen@ii \FrameHeightAdjust\relax
13026 \else % suspect this is implemented incorrectly:
13027      % If the split-to size > feasible room_on_page, rebox it smaller.
13028      \advance\dimen@.8\pageshrink
13029      \ifdim\ht\@tw@>\dimen@
13030 |      \message{Box too tall; rebox it to \the\dimen@.}%
13031      \dimen@ii\dimen@
13032      \else % use natural size
13033      \dimen@ii\ht\@tw@
13034      \fi
13035 \fi
13036 % Re-box contents to desired size \dimen@ii
13037 \advance\dimen@ii -\fb@frh
13038 \setbox\@tw@\vbox to\dimen@ii \bgroup
13039 % remove simulated frame and page flexibility:
13040 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
13041 \unvbox\@tw@ \unpenalty\unpenalty
13042 \ifdim\lastkern=-137sp % whole box went to next page
13043 | \message{box split at beginning!}%
13044      % need work here???
13045      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
13046      \fb@adjheight
13047      \fb@put@frame#1#2% INSERTED ???
13048 \else % Got material split off at the head

```



```

13049         \egroup \fb@resto@set
13050         \ifvoid\@tempboxa % it all fit after all
13051 |         \message{box split at end! }%
13052         \setbox\@tempboxa\box\tw@
13053         \fb@putboxa#1%
13054         \fb@afterframe
13055     \else % it really did split
13056 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
13057         \ifdim\wd\tw@>\z@
13058             \wd\tw@\wd\@tempboxa
13059             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
13060         \else
13061 |         \message{Zero width means likely blank. Don't frame it (guess)}%
13062         \box\tw@
13063         \fi
13064         \hrule \@height\z@ \@width\hsize
13065         \eject
13066         \fb@adjheight
13067         \fb@put@frame\LastFrameCommand\MidFrameCommand
13068     \fi\fi\fi\fi\fi
13069 }
13070 \def\fb@putboxa#1{%
13071     \ifvoid\@tempboxa
13072         \PackageWarning{framed}{Boxa is void -- discard it. }%
13073     \else
13074 |         \message{Frame and place boxa. }%
13075 |         %{\showoutput\showbox\@tempboxa}%
13076         \centerline{#1{\hboxL{\box\@tempboxa}}}%
13077     \fi
13078 }
13079 \catcode`\|=\FrameRestore
13080 \def\FrameRestore{%
13081     \let\if@nobreak\iffalse
13082     \let\if@noskipsec\iffalse
13083     \let\-\@dischypn
13084     \let'\@acci\let\`@accii\let\=\@acciii
13085     % \message{FrameRestore:
13086     % \totalleftmargin=\the \totalleftmargin,
13087     % \rightmargin=\the\rightmargin,
13088     % \listdepth=\the\listdepth. }%
13089     % Test if we are in a list (or list-like paragraph)
13090     \ifnum \ifdim\totalleftmargin>\z@ 1\fi
13091         \ifdim\rightmargin>\z@ 1\fi
13092         \ifnum\listdepth>\z@ 1\fi 0>\z@
13093     % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
13094     % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
13095     % \labelwidth=\the\labelwidth. }%
13096     \@setminipage % snug fit around the item
13097     % Now try to propagate changes of width from \hsize to list parameters.
13098     % This is deficient, but a more advanced way to indicate modification to text
13099     % dimensions is not (yet) provided; in particular, no separate left/right
13100     % adjustment.
13101     \advance\linewidth-\columnwidth \advance\linewidth\hsize
13102     \parshape\@ne \@totalleftmargin \linewidth

```



```

13103 \else % Not in list
13104 \linewidth=\hsize
13105 %\message{No list, set \string\linewidth=\the\hsize. }%
13106 \fi
13107 \sloppy
13108 }

```

81 File ftnright-xetex-bidi.def

```

13109 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
13110
13111 \def\prepare@bidi@copyins{%
13112 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
13113 \global\skip\@bidi@copyins@\z@
13114 \global\count\@bidi@copyins@\z@
13115 \global\dimen\@bidi@copyins@\textheight}
13116
13117 \newskip\bidi@rcol@copyinsskip
13118
13119 \def\LTR@outputdblcol{%
13120 \if@firstcolumn
13121 \global\@firstcolumnfalse
13122 \global\setbox\@leftcolumn\copy\@outputbox
13123 \global\count\footins\@m
13124 \global\skip\footins\rcol@footinsskip
13125 \global\count\@bidi@copyins@\@m
13126 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
13127 \splitmaxdepth\maxdimen
13128 \vbadness\maxdimen
13129 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13130 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13131 \toks@\expandafter{\topmark}%
13132 \xdef\@firstcoltopmark{\the\toks@}%
13133 \toks@\expandafter{\splitfirstmark}%
13134 \xdef\@firstcolfirstmark{\the\toks@}%
13135 \ifx\@firstcolfirstmark\@empty
13136 \global\let\@setmarks\relax
13137 \else
13138 \gdef\@setmarks{%
13139 \let\firstmark\@firstcolfirstmark
13140 \let\topmark\@firstcoltopmark}%
13141 \fi
13142 \else
13143 \preparefootins
13144 \prepare@bidi@copyins
13145 \global\@firstcolumntrue
13146 \setbox\@outputbox\vbox{%
13147 \hb@xt@\textwidth{%
13148 \hb@xt@\columnwidth{%
13149 \bidi@firstcolumn@status@write%
13150 \box\@leftcolumn \hss}%
13151 \hfil
13152 {\normalcolor\vrule \@width\columnseprule}%
13153 \hfil

```



```

13154      \hb@xt@\columnwidth{%
13155      \bidi@lastcolumn@status@write%
13156      \box\@outputbox \hss}}}%
13157 \combinedblfloats
13158 \setmarks
13159 \outputpage
13160 \begingroup
13161 \dblfloatplacement
13162 \startdblcolumn
13163 \whiles\if@fcolmade \fi{\@outputpage
13164 \startdblcolumn}%
13165 \endgroup
13166 \fi}%
13167
13168 \def\RTL@outputdblcol{%
13169 \if@firstcolumn
13170 \global\@firstcolumnfalse
13171 \global\setbox\@leftcolumn\copy\@outputbox
13172 \global\count\footins\@m
13173 \global\skip\footins\rcol@footinsskip
13174 \global\count\@bidi@copyins@\@m
13175 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
13176 \splitmaxdepth\maxdimen
13177 \vbadness\maxdimen
13178 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13179 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13180 \toks@\expandafter{\topmark}%
13181 \xdef\@firstcoltopmark{\the\toks@}%
13182 \toks@\expandafter{\splitfirstmark}%
13183 \xdef\@firstcolfirstmark{\the\toks@}%
13184 \ifx\@firstcolfirstmark\@empty
13185 \global\let\setmarks\relax
13186 \else
13187 \gdef\setmarks{%
13188 \let\firstmark\@firstcolfirstmark
13189 \let\topmark\@firstcoltopmark}%
13190 \fi
13191 \else
13192 \preparefootins
13193 \prepare@bidi@copyins
13194 \global\@firstcolumntrue
13195 \setbox\@outputbox\vbox{%
13196 \hb@xt@\textwidth{%
13197 \hskip \columnwidth
13198 \hfil
13199 {\normalcolor\vrule \@width\columnseprule}%
13200 \hfil
13201 \hb@xt@\columnwidth{%
13202 \bidi@firstcolumn@status@write%
13203 \box\@leftcolumn \hss}%
13204 \hskip -\textwidth
13205 \hb@xt@\columnwidth{%
13206 \bidi@lastcolumn@status@write%
13207 \box\@outputbox \hss}%

```



```

13208      \hskip \columnsep
13209      \hskip \columnwidth }}%
13210 \combinedblfloats
13211 \setmarks
13212 \outputpage
13213 \begingroup
13214 \dblfloatplacement
13215 \startdblcolumn
13216 \whilesw@ifcolmade \fi{\outputpage
13217 \startdblcolumn}%
13218 \endgroup
13219 \fi}%
13220
13221 \def\startcolumn{%
13222 \ifx\deferlist\empty
13223 \global\@colmadefalse
13224 \global\@colroom\@colht
13225 \else
13226 \ifvoid\footins\else
13227 \ftn@amount\ht\footins
13228 \advance\ftn@amount\dp\footins
13229 \advance\ftn@amount\skip\footins
13230 \fi
13231 \ifvoid\@bidi@copyins\else
13232 \bidi@copyins@amount\ht\@bidi@copyins@
13233 \advance\bidi@copyins@amount\dp\@bidi@copyins@
13234 \advance\bidi@copyins@amount\skip\@bidi@copyins@
13235 \fi
13236 \global\advance\@colht-\ftn@amount
13237 \global\advance\@colht-\bidi@copyins@amount
13238 \global\@colroom\@colht
13239 \xstartcol
13240 \global\advance\@colht\ftn@amount
13241 \global\advance\@colroom\ftn@amount
13242 \global\advance\@colht\bidi@copyins@amount
13243 \global\advance\@colroom\bidi@copyins@amount
13244 \fi
13245 \if@colmade
13246 \setbox\@cclv\box\@outputbox
13247 \makecol
13248 \else
13249 \ifvoid\footins\else
13250 \insert\footins{\unvbox\footins}\fi
13251 \ifvoid\@bidi@copyins\else
13252 \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
13253 \fi}
13254
13255 \newdimen\bidi@copyins@amount
13256
13257 \def\makecol{\iffirstcolumn
13258 \setbox\@outputbox\box\@cclv
13259 \iftwocolumn \else
13260 \ifvoid\footins \else
13261 \latexerr{ftnright package

```



```

13262         used in one-column mode}%
13263 {The ftnright package was designed to
13264 work with LaTeX's standard^^Jtwocolumn
13265 option. It does *not* work with the
13266 multicol package.^^JSo please specify
13267 `twocolumn' in the
13268 \noexpand\documentclass command.}%
13269 \shipout\box\footins \fi
13270 \ifvoid\@bidi@copyins@ \else
13271 \latexerr{ftnright package
13272         used in one-column mode}%
13273 {The ftnright package was designed to
13274 work with LaTeX's standard^^Jtwocolumn
13275 option. It does *not* work with the
13276 multicol package.^^JSo please specify
13277 `twocolumn' in the
13278 \noexpand\documentclass command.}%
13279 \shipout\box\@bidi@copyins@ \fi\fi
13280 \ifnum\insertpenalties>\z@
13281 \latexerr{ftnright package
13282         scrambled footnotes}%
13283 {There is too much footnote material in
13284 the first column and ftnright^^Jis
13285 unable to cope with this.^^JYou need
13286 to reduce the amount to get a properly
13287 formatted page.}%
13288 \fi
13289 \else
13290 \ifvoid\footins
13291 \ifvoid\@bidi@copyins@
13292 \setbox\@outputbox\box\@cclv
13293 \else
13294 \setbox\@outputbox\vbox
13295 {\ifvoid\@cclv \else
13296 \unvbox\@cclv
13297 \vskip \skip\@bidi@copyins@
13298 \fi
13299 \color@begingroup
13300 \normalcolor
13301 \unvbox \@bidi@copyins@
13302 \color@endgroup}%
13303 \fi
13304 \else
13305 \setbox\@outputbox\vbox
13306 {\ifvoid\@cclv \else
13307 \unvbox\@cclv
13308 \vskip\skip\footins\fi
13309 \color@begingroup
13310 \normalcolor
13311 \footnoterule\unvbox\footins
13312 \color@endgroup
13313 \ifvoid\@bidi@copyins@
13314 \else
13315 \vskip \skip\@bidi@copyins@

```



```

13316          \color@begingroup
13317          \normalcolor
13318          \unvbox \@bidi@copyins@
13319          \color@endgroup
13320      \fi
13321  }%
13322  \fi
13323  \fi
13324  \xdef\@freelist{\@freelist\@midlist}%
13325  \global \let \@midlist \@empty
13326  \@combinefloats
13327  \ifvbox\@kludgeins
13328      \@makespecialcolbox
13329  \else
13330      \setbox\@outputbox\vbox to\@colht
13331      {\boxmaxdepth\maxdepth
13332       \@texttop
13333       \@tempdima\dp\@outputbox
13334       \unvbox\@outputbox
13335       \vskip-\@tempdima
13336       \@textbottom}%
13337  \fi
13338  \global\maxdepth\@maxdepth}
13339
13340  \let\leftfootnoterule\@empty
13341  \let\rightfootnoterule\@empty
13342  \let\textwidthfootnoterule\@empty
13343  \let\autofootnoterule\@empty
13344  \let\footnoterule\@empty
13345  \long\def\@makefntext#1{\parindent 1em
13346   \noindent\hbox to 2em{}%
13347   \llap{\@thefnmark\hbox{.}\,.\,}\,#1}
13348
13349  \setlength{\skip\@bidi@copyins@}
13350           {10pt plus 5pt minus 3pt}
13351  \AtBeginDocument{\prepare@bidi@copyins}

```

82 File `graphicx-xetex-bidi.def`

```

13352 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
13353 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
13354   \Grot@setangle{#1}%
13355   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
13356   \Grot@x\z@
13357   \Grot@y\z@
13358   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
13359 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13360   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
13361   \Grot@x\width \divide\Grot@x\tw@
13362   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
13363   \setkeys{Grot}{#1}%
13364   \setbox\z@\box@tempboxa
13365   \Grot@setangle{#2}%
13366   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi

```




```

13367 \end@tempboxa}
13368 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13369 \leavevmode
13370 \def\Gscale@x{#1}\def\Gscale@y{#2}%
13371 \setbox\z@\hbox{#3}%
13372 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13373 \ifdim#2\p@<\z@
13374 \ht\tw@-#2\dp\z@
13375 \dp\tw@-#2\ht\z@
13376 \else
13377 \ht\tw@#2\ht\z@
13378 \dp\tw@#2\dp\z@
13379 \fi
13380 \ifdim#1\p@<\z@
13381 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
13382 \else
13383 \wd\tw@#1\wd\z@
13384 \box\tw@
13385 \fi\ifmmode\else\if@RTL\endL\fi\fi}
13386 \def\Gin@iii[#1,#2][#3,#4]#5{%
13387 \begingroup
13388 \ifmmode\else\if@RTL\beginL\fi\fi
13389 \Gin@bbboxtrue
13390 \Gin@defaultbp\Gin@llx{#1}%
13391 \Gin@defaultbp\Gin@lly{#2}%
13392 \Gin@defaultbp\Gin@urx{#3}%
13393 \Gin@defaultbp\Gin@ury{#4}%
13394 \Gin@include@graphics{#5}%
13395 \ifmmode\else\if@RTL\endL\fi\fi
13396 \endgroup}
13397 \def\Gin@ii[#1]#2{%
13398 \def\@tempa{[]}\def\@tempb{#2}%
13399 \ifx\@tempa\@tempb
13400 \def\@tempa{\Gin@iii[#1] []}%
13401 \expandafter\@tempa
13402 \else
13403 \begingroup
13404 \ifmmode\else\if@RTL\beginL\fi\fi
13405 \@tempswafalse
13406 \toks@{\Gin@include@graphics{#2}}%
13407 \setkeys{Gin}{#1}%
13408 \Gin@esetsize
13409 \the\toks@
13410 \ifmmode\else\if@RTL\endL\fi\fi
13411 \endgroup
13412 \fi}
13413 \def\reflectbox{\bidiGscale@box-1[1]}
13414 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13415 \leavevmode
13416 \def\Gscale@x{#1}\def\Gscale@y{#2}%
13417 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
13418 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13419 \ifdim#2\p@<\z@
13420 \ht\tw@-#2\dp\z@

```



```

13421 \dp\tw@-#2\ht\z@
13422 \else
13423 \ht\tw@#2\ht\z@
13424 \dp\tw@#2\dp\z@
13425 \fi
13426 \ifdim#1\p@<\z@
13427 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@hss}%
13428 \else
13429 \wd\tw@#1\wd\z@
13430 \box\tw@
13431 \fi\ifmmode\else\if@RTL\endL\fi\fi}
13432 \def\scalebox#1{%
13433 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
13434 \def\resizebox{%
13435 \leavevmode
13436 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
13437 \def\bidiGscale@@box#1#2#3{%
13438 \let\@tempa\Gin@exclamation
13439 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
13440 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
13441 \ifx\@tempb\@tempa
13442 \ifx\@tempc\@tempa
13443 \toks@{\mbox}%
13444 \else
13445 \toks@{\bidiGscale@box@dd{#3}#1}%
13446 \fi
13447 \else
13448 \ifx\@tempc\@tempa
13449 \toks@{\bidiGscale@box@dd{#2}\width}%
13450 \else
13451 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
13452 \fi
13453 \fi
13454 \the\toks@}
13455 \long\def\bidiGscale@box@dd#1#2#3{%
13456 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
13457 \setlength\@tempdima{#1}%
13458 \setlength\@tempdimb{#2}%
13459 \Gscale@div\@tempa\@tempdima\@tempdimb
13460 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
13461 \@end@tempboxa}
13462 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
13463 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
13464 \setlength\@tempdima{#1}%
13465 \setlength\@tempdimb{#2}%
13466 \Gscale@div\@tempa\@tempdima\@tempdimb
13467 \setlength\@tempdima{#3}%
13468 \setlength\@tempdimb{#4}%
13469 \Gscale@div\@tempb\@tempdima\@tempdimb
13470 \ifGin@iso
13471 \ifdim\@tempa\p@>\@tempb\p@
13472 \let\@tempa\@tempb
13473 \else
13474 \let\@tempb\@tempa

```



```

13475     \fi
13476     \fi
13477     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
13478     \@end@tempboxa}

```

83 File geometry-xetex-bidi.def

```

13479 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
13480 \renewcommand*{\Gm@vrules@mpi}{%
13481 \if@RTLmain%
13482     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
13483     \llap{\Gm@vrule}\ignorespaces
13484     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
13485     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
13486 \else%
13487 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
13488 \hskip \textwidth\Gm@vrule\hskip \marginparsep
13489 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
13490 \renewcommand*{\Gm@vrules@mpii}{%
13491 \if@RTLmain%
13492 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
13493 \hskip \textwidth\Gm@vrule\hskip \marginparsep
13494 \llap{\Gm@vrule}\hfil\Gm@vrule}%
13495 \else%
13496 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
13497 \llap{\Gm@vrule}\ignorespaces
13498 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
13499 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
13500 \bidi@patchcmd{\Gm@pageframes}{%
13501     \ifodd\count\z@
13502     \let\@themargin\oddsidemargin
13503     \else
13504     \let\@themargin\evensidemargin
13505     \fi
13506 }{%
13507     \ifodd\count\z@
13508     \if@RTLmain
13509     \let\@themargin\evensidemargin
13510     \else
13511     \let\@themargin\oddsidemargin
13512     \fi
13513     \else
13514     \if@RTLmain
13515     \let\@themargin\oddsidemargin
13516     \else
13517     \let\@themargin\evensidemargin
13518     \fi
13519     \fi
13520 }{}{}

```

84 File hvfloat-xetex-bidi.def

```

13521 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package]
13522 \def\do@hvFloat[#1]#2#3{%

```



```

13523 \def\hv@shortCap{#1}
13524 \def\hv@longCap{#2}
13525 \def\hv@label{#3}
13526 %\newcommand*{\hvFloat}[5][\]{%
13527 % [#1]: keyvalues
13528 % #2: type figure | table | ...
13529 % #3: float contents
13530 % [#4]: short caption
13531 % #5: caption
13532 % #6: label
13533 % \setDefault%
13534 % \def\@tempa{#1}%
13535 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
13536 % \def\@tempa{90}%
13537 % \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
13538 % \else \setlength{\hvMaxCapWidth}{\linewidth}
13539 % \fi
13540 %
13541 % First we save the object in \hvObjectBox
13542 %
13543 % \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
13544 % \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
13545 % \else
13546 % \savebox{\hvObjectBox}{%
13547 % \rotatebox{\hvSet@objectAngle}{%
13548 % \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
13549 % \fi
13550 % \setlength{\hvObjectWidth}{\wd\hvObjectBox}
13551 %
13552 % Now we save the caption with its defined \hvCapWidth
13553 %
13554 % \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
13555 % \else
13556 % \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
13557 % \else
13558 % \setlength{\hvCapWidth}{\hvObjectWidth}
13559 % \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
13560 % \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
13561 % \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
13562 % \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
13563 % \else
13564 % \setlength{\hvCapWidth}{\hvMaxCapWidth}
13565 % \fi
13566 % \fi
13567 % \fi
13568 %
13569 % now we have the object and the caption with the right
13570 % rotated angles saved in boxes
13571 %
13572 % \def\fps@figure{\hvSet@floatPos}
13573 % \ifhv@nonFloat\begin{group}% Start the nonfloat part
13574 % \else \begin{\hv@floatType}% Start the floating environment
13575 % \fi%
13576 % \saveCaptionSkip% we put this space ourselves

```



```

13577 \ifx\hvSet@capAngle\hv@Width % need rotation?
13578 \sbox{\hvCaptionBox}{%
13579 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
13580 \ifhv@nonFloat%
13581 \ifhv@onlyText#2%
13582 \else%
13583 \ifx\hv@floatType\hv@figure
13584 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
13585 \else
13586 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
13587 \fi
13588 \fi
13589 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
13590 \fi%
13591 \label{#3}%
13592 \end{minipage}%
13593 }%
13594 \else%
13595 \sbox{\hvCaptionBox}{%
13596 \rotatebox{\hvSet@capAngle}{%
13597 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
13598 \ifhv@nonFloat%
13599 \ifhv@onlyText#2%
13600 \else%
13601 \ifx\hv@floatType\hv@figure
13602 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
13603 \else
13604 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
13605 \fi
13606 \fi
13607 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
13608 \fi%
13609 \label{#3}%
13610 \end{minipage}%
13611 }%
13612 }%
13613 \fi%
13614 %%
13615 \restoreCaptionSkip% save old values
13616 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
13617 \else%
13618 \ifx\hvSet@objectPos\hv@Center
13619 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
13620 \fi%
13621 \fi%
13622 %
13623 % to rotate object and caption together, we save all in another box
13624 % the caption comes first, if its on the left or the top
13625 %
13626 \savebox{\@tempboxa}{%
13627 \ifx\hvSet@capPos\hv@Left % caption on left side
13628 \if@RTL%
13629 \ifx\hvSet@capVPos\hv@Center%
13630 \ifhv@fbox

```



```

13631 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13632 \else
13633 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13634 \fi%
13635 \hspace{\hvSet@floatCapSep pt}%
13636 \ifhv@fbox
13637 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13638 \else
13639 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
13640 \fi%
13641 \else%
13642 \ifx\hvSet@capVPos\hv@Top
13643 \ifhv@fbox
13644 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13645 \else
13646 \raisebox{-\height}{\usebox{\hvObjectBox}}%
13647 \fi%
13648 \hspace{\hvSet@floatCapSep pt}%
13649 \ifhv@fbox
13650 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13651 \else
13652 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13653 \fi
13654 \else
13655 \ifhv@fbox
13656 \fbox{\usebox{\hvObjectBox}}%
13657 \else
13658 \usebox{\hvObjectBox}%
13659 \fi
13660 \hspace{\hvSet@floatCapSep pt}%
13661 \ifhv@fbox
13662 \fbox{\usebox{\hvCaptionBox}}%
13663 \else
13664 \usebox{\hvCaptionBox}%
13665 \fi%
13666 \fi%
13667 \fi%
13668 \else% not RTL
13669 \ifx\hvSet@capVPos\hv@Center%
13670 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13671 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13672 \fi%
13673 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13674 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13675 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13676 \fi%
13677 \else%
13678 \ifx\hvSet@capVPos\hv@Top % caption at top
13679 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13680 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13681 \fi
13682 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13683 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
13684 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%

```



```

13685     \fi%
13686     \else% caption on bottom
13687         \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
13688             \else\usebox{\hvCaptionBox}
13689         \fi%
13690         \hspace{\hvSet@floatCapSep pt}%
13691         \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
13692         \else     \usebox{\hvObjectBox}
13693     \fi%
13694     \fi%
13695 \fi% end of RTL
13696 \fi%
13697 \else
13698 \ifx\hvSet@capPos\hv@Top
13699 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
13700 \begin{minipage}{\wd\hvCaptionBox}
13701 \else
13702 \begin{minipage}{\wd\hvObjectBox}
13703 \fi
13704 \centering
13705 \ifhv@fbox
13706 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
13707 \fbbox{\usebox{\hvObjectBox}}
13708 \else
13709 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
13710 \usebox{\hvObjectBox}
13711 \fi%
13712 \end{minipage}
13713 \else
13714 \ifx\hvSet@capPos\hv@Bottom
13715 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
13716 \begin{minipage}{\wd\hvCaptionBox}
13717 \else
13718 \begin{minipage}{\wd\hvObjectBox}
13719 \fi
13720 \centering
13721 \ifhv@fbox
13722 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
13723 \fbbox{\usebox{\hvCaptionBox}}
13724 \else
13725 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
13726 \usebox{\hvCaptionBox}
13727 \fi%
13728 \end{minipage}
13729 \else% the last option: put the caption on the right
13730 \if@RTL%
13731     \ifx\hvSet@capVPos\hv@Center%
13732         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13733         \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
13734     \fi%
13735     \hspace{\hvSet@floatCapSep pt}% capfloatsep
13736     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13737     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13738     \fi%

```



```

13739 \else%
13740 \ifx\hvSet@capVPos\hv@Top % caption at top
13741 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13742 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13743 \fi
13744 \hspace{\hvSet@floatCapSep pt}% capfloatsep
13745 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13746 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
13747 \fi%
13748 \else% caption on bottom
13749 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
13750 \else\usebox{\hvCaptionBox}
13751 \fi%
13752 \hspace{\hvSet@floatCapSep pt}%
13753 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
13754 \else \usebox{\hvObjectBox}
13755 \fi%
13756 \fi%
13757 \fi%
13758 \else% not RTL
13759 \ifx\hvSet@capVPos\hv@Center%
13760 \ifhv@fbox
13761 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
13762 \else
13763 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
13764 \fi%
13765 \hspace{\hvSet@floatCapSep pt}%
13766 \ifhv@fbox
13767 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
13768 \else
13769 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
13770 \fi%
13771 \else%
13772 \ifx\hvSet@capVPos\hv@Top
13773 \ifhv@fbox
13774 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
13775 \else
13776 \raisebox{-\height}{\usebox{\hvObjectBox}}%
13777 \fi%
13778 \hspace{\hvSet@floatCapSep pt}%
13779 \ifhv@fbox
13780 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
13781 \else
13782 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
13783 \fi
13784 \else
13785 \ifhv@fbox
13786 \fbbox{\usebox{\hvObjectBox}}%
13787 \else
13788 \usebox{\hvObjectBox}%
13789 \fi
13790 \hspace{\hvSet@floatCapSep pt}%
13791 \ifhv@fbox
13792 \fbbox{\usebox{\hvCaptionBox}}%

```




```

13793 \else
13794 \usebox{\hvCaptionBox}%
13795 \fi%
13796 \fi%
13797 \fi
13798 \fi% end of RTL
13799 \fi
13800 \fi
13801 \fi
13802 }% End savebox Object and caption
13803 %
13804 % now we rotate the object and caption, if needed
13805 %
13806 \ifx\hvSet@rotAngle\hv@Zero
13807 \usebox{\@tempboxa}
13808 \else
13809 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
13810 \fi
13811 \ifhv@nonFloat
13812 \ifx\hvSet@objectPos\hv@Center
13813 \ifhv@nonFloat
13814 \hspace{\fill}
13815 \fi
13816 \fi
13817 \endgroup% End the nonfloat part
13818 \else
13819 \end{\hv@floatType}% End the floating environment
13820 \fi
13821 }

```

85 File hyperref-xetex-bidi.def

```

13822 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
13823 \AtBeginDocument{%
13824 \def\contentsline#1#2#3#4{%
13825 \ifx\#4\%
13826 \csname l@#1\endcsname{#2}{#3}%
13827 \else
13828 \ifcase\Hy@linktoc % none
13829 \csname l@#1\endcsname{#2}{#3}%
13830 \or % section
13831 \csname l@#1\endcsname{%
13832 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
13833 }{#3}%
13834 \or % page
13835 \csname l@#1\endcsname{#2}{%
13836 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
13837 }%
13838 \else % all
13839 \csname l@#1\endcsname{%
13840 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
13841 }{#3}%
13842 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
13843 }%

```



```

13844 \fi
13845 \fi
13846 }
13847 \ifHy@hyperfootnotes
13848 \let\H@@footnotetext\@footnotetext
13849 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
13850 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
13851 \def\@xfootnotenext[#1]{%
13852 \begingroup
13853 \csname c@\@mpfn\endcsname #1\relax
13854 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13855 \endgroup
13856 \ifx\@footnotetext\@mpfootnotetext
13857 \expandafter\H@@mpfootnotetext
13858 \else
13859 \expandafter\H@@footnotetext
13860 \fi
13861 }%
13862 \def\@xRTLfootnotenext[#1]{%
13863 \begingroup
13864 \csname c@\@mpfn\endcsname #1\relax
13865 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13866 \endgroup
13867 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
13868 \expandafter\HRTL@mpRTLfootnotetext
13869 \else
13870 \expandafter\HRTL@RTLfootnotetext
13871 \fi
13872 }%
13873 \def\@xLTRfootnotenext[#1]{%
13874 \begingroup
13875 \csname c@\@mpfn\endcsname #1\relax
13876 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13877 \endgroup
13878 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
13879 \expandafter\HLTR@mpLTRfootnotetext
13880 \else
13881 \expandafter\HLTR@LTRfootnotetext
13882 \fi
13883 }%
13884 \def\@xfootnotemark[#1]{%
13885 \begingroup
13886 \c@footnote #1\relax
13887 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
13888 \endgroup
13889 \H@@footnotemark
13890 }%
13891 \let\H@@mpfootnotetext\@mpfootnotetext
13892 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
13893 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
13894 \long\def\@mpfootnotetext#1{%
13895 \H@@mpfootnotetext{%
13896 \ifHy@nesting
13897 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%

```



```

13898     \else
13899         \Hy@raisedlink{%
13900             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13901             }#1%
13902     \fi
13903 }%
13904 }%
13905 \long\def\@mpRTLfootnotetext#1{%
13906     \HRTL@@mpRTLfootnotetext{%
13907         \ifHy@nesting
13908             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13909         \else
13910             \Hy@raisedlink{%
13911                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13912                 }#1%
13913             \fi
13914         }%
13915     }%
13916 \long\def\@mpLTRfootnotetext#1{%
13917     \HLTR@@mpLTRfootnotetext{%
13918         \ifHy@nesting
13919             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13920         \else
13921             \Hy@raisedlink{%
13922                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13923                 }#1%
13924             \fi
13925         }%
13926     }%
13927 \long\def\@footnotetext#1{%
13928     \H@@footnotetext{%
13929         \ifHy@nesting
13930             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13931         \else
13932             \Hy@raisedlink{%
13933                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13934                 }%
13935             \let\@currentHlabel\Hy@footnote@currentHlabel
13936             \let\@currentHref\Hy@footnote@currentHref
13937             \let\@currentlabelname\@empty
13938             #1%
13939         \fi
13940     }%
13941 }%
13942 \long\def\@RTLfootnotetext#1{%
13943     \HRTL@@RTLfootnotetext{%
13944         \ifHy@nesting
13945             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13946         \else
13947             \Hy@raisedlink{%
13948                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13949                 }%
13950             \let\@currentHlabel\Hy@footnote@currentHlabel
13951             \let\@currentHref\Hy@footnote@currentHref

```



```

13952     \let\@currentlabelname\@empty
13953     #1%
13954     \fi
13955   }%
13956 }%
13957 \long\def\@LTRfootnotetext#1{%
13958 \HLTR@@LTRfootnotetext{%
13959   \ifHy@nesting
13960     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
13961   \else
13962     \Hy@raisedlink{%
13963       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
13964     }%
13965     \let\@currentHlabel\Hy@footnote@currentHlabel
13966     \let\@currentHref\Hy@footnote@currentHref
13967     \let\@currentlabelname\@empty
13968     #1%
13969   \fi
13970 }%
13971 }%
13972 \@ifpackageloaded{tabularx}{%
13973 \let\HyOrg@TX@endtabularx\TX@endtabularx
13974 \def\Hy@tabularx@hook{%
13975   \let\@footnotetext\H@@footnotetext
13976   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
13977   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
13978   \let\@footnotemark\H@@footnotemark
13979   \let\@mpfootnotetext\H@@mpfootnotetext
13980   \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
13981   \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
13982 }%
13983 \begingroup
13984   \toks@\expandafter{\TX@endtabularx}%
13985   \xdef\Hy@gtemp{%
13986     \noexpand\Hy@tabularx@hook
13987     \the\toks@
13988   }%
13989 \endgroup
13990 \let\TX@endtabularx\Hy@gtemp
13991 }{}%
13992 \@ifpackageloaded{longtable}{%
13993 \CheckCommand*{\LT@p@LTRftntext}[1]{%
13994   \edef\@tempa{%
13995     \the\LT@p@ftn
13996     \noexpand\LTRfootnotetext[\the\c@footnote]%
13997   }%
13998   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
13999 }%
14000 \long\def\LT@p@LTRftntext#1{%
14001   \edef\@tempa{%
14002     \the\LT@p@ftn
14003   \begingroup
14004     \noexpand\c@footnote=\the\c@footnote\relax
14005     \noexpand\protected@xdef\noexpand\@thefnmark{%

```



```

14006         \noexpand\thempfn
14007     }%
14008     \noexpand\Hy@LT@LTRfootnotetext{%
14009         \Hy@footnote@currentHref
14010     }%
14011 }%
14012 \global\LT@p@ftn\expandafter{%
14013     \@tempa{#1}%
14014 }%
14015 }%
14016 }%
14017 \long\def\Hy@LT@LTRfootnotetext#1#2{%
14018     \HLTR@@LTRfootnotetext{%
14019         \ifHy@nesting
14020             \hyper@@anchor{#1}{#2}%
14021         \else
14022             \Hy@raisedlink{%
14023                 \hyper@@anchor{#1}{\relax}%
14024             }%
14025             \def\@currentHref{#1}%
14026             \let\@currentlabelname\@empty
14027             #2%
14028         \fi
14029     }%
14030 }%
14031 \CheckCommand*{\LT@p@RTLftntext}[1]{%
14032     \edef\@tempa{%
14033         \the\LT@p@ftn
14034         \noexpand\RTLfootnotetext[\the\c@footnote]%
14035     }%
14036     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
14037 }%
14038 \long\def\LT@p@RTLftntext#1{%
14039     \edef\@tempa{%
14040         \the\LT@p@ftn
14041         \begin{group}
14042             \noexpand\c@footnote=\the\c@footnote\relax
14043             \noexpand\protected@xdef\noexpand\@thefnmark{%
14044                 \noexpand\thempfn
14045             }%
14046             \noexpand\Hy@LT@RTLfootnotetext{%
14047                 \Hy@footnote@currentHref
14048             }%
14049         }%
14050         \global\LT@p@ftn\expandafter{%
14051             \@tempa{#1}%
14052         }%
14053     }%
14054 }%
14055 \long\def\Hy@LT@RTLfootnotetext#1#2{%
14056     \HRTL@@RTLfootnotetext{%
14057         \ifHy@nesting
14058             \hyper@@anchor{#1}{#2}%
14059         \else

```



```

14060         \Hy@raisedlink{%
14061             \hyper@@anchor{#1}{\relax}%
14062         }%
14063         \def\@currentHref{#1}%
14064         \let\@currentlabelname\@empty
14065         #2%
14066     \fi
14067 }%
14068 }%
14069 }{}%
14070 \@ifpackageloaded{bidipoem}{%
14071 \long\def\bidipoem@p@ftntext#1{%
14072     \edef\@tempxi{%
14073         \the\bidipoem@p@ftn
14074         \beginingroup
14075             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14076             \noexpand\protected@xdef\noexpand\@thefnmark{%
14077                 \noexpand\thempfn
14078             }%
14079             \noexpand\Hy@bidipoem@footnotetext{%
14080                 \Hy@footnote@currentHref
14081             }%
14082         }%
14083         \global\bidipoem@p@ftn\expandafter{%
14084             \@tempxi{#1}%
14085         \endgroup
14086     }%
14087 }%
14088 \long\def\Hy@bidipoem@footnotetext#1#2{%
14089     \H@@footnotetext{%
14090         \ifHy@nesting
14091             \hyper@@anchor{#1}{#2}%
14092         \else
14093             \Hy@raisedlink{%
14094                 \hyper@@anchor{#1}{\relax}%
14095             }%
14096             \def\@currentHref{#1}%
14097             \let\@currentlabelname\@empty
14098             #2%
14099         \fi
14100     }%
14101 }%
14102     \long\def\bidipoem@p@LTRftntext#1{%
14103     \edef\@tempxi{%
14104         \the\bidipoem@p@ftn
14105         \beginingroup
14106             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14107             \noexpand\protected@xdef\noexpand\@thefnmark{%
14108                 \noexpand\thempfn
14109             }%
14110             \noexpand\Hy@bidipoem@LTRfootnotetext{%
14111                 \Hy@footnote@currentHref
14112             }%
14113         }%

```



```

14114 \global\bidipoem@p@ftn\expandafter{%
14115 \@tempxi{#1}%
14116 \endgroup
14117 }%
14118 }%
14119 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
14120 \HLTR@@LTRfootnotetext{%
14121 \ifHy@nesting
14122 \hyper@@anchor{#1}{#2}%
14123 \else
14124 \Hy@raisedlink{%
14125 \hyper@@anchor{#1}{\relax}%
14126 }%
14127 \def\@currentHref{#1}%
14128 \let\@currentlabelname\@empty
14129 #2%
14130 \fi
14131 }%
14132 }%
14133 \long\def\bidipoem@p@RTLftntext#1{%
14134 \edef\@tempxi{%
14135 \the\bidipoem@p@ftn
14136 \begingroup
14137 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14138 \noexpand\protected@xdef\noexpand\@thefnmark{%
14139 \noexpand\thempfn
14140 }%
14141 \noexpand\Hy@bidipoem@RTLfootnotetext{%
14142 \Hy@footnote@currentHref
14143 }%
14144 }%
14145 \global\bidipoem@p@ftn\expandafter{%
14146 \@tempxi{#1}%
14147 \endgroup
14148 }%
14149 }%
14150 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
14151 \HRTL@@RTLfootnotetext{%
14152 \ifHy@nesting
14153 \hyper@@anchor{#1}{#2}%
14154 \else
14155 \Hy@raisedlink{%
14156 \hyper@@anchor{#1}{\relax}%
14157 }%
14158 \def\@currentHref{#1}%
14159 \let\@currentlabelname\@empty
14160 #2%
14161 \fi
14162 }%
14163 }%
14164 }{}%
14165 \let\HyOrg@maketitle\maketitle
14166 \def\maketitle{%
14167 \let\Hy@saved@footnotemark\@footnotemark

```



```

14168 \let\Hy@saved@footnotetext\@footnotetext
14169 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
14170 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
14171 \let\@footnotemark\H@@footnotemark
14172 \let\@footnotetext\H@@footnotetext
14173 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
14174 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
14175 \@ifnextchar[\Hy@maketitle@optarg{% ]
14176 \HyOrg@maketitle
14177 \Hy@maketitle@end
14178 }%
14179 }%
14180 \def\Hy@maketitle@optarg[#1]{%
14181 \HyOrg@maketitle[#{#1}]%
14182 \Hy@maketitle@end
14183 }%
14184 \def\Hy@maketitle@end{%
14185 \ifx\@footnotemark\H@@footnotemark
14186 \let\@footnotemark\Hy@saved@footnotemark
14187 \fi
14188 \ifx\@footnotetext\H@@footnotetext
14189 \let\@footnotetext\Hy@saved@footnotetext
14190 \fi
14191 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
14192 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
14193 \fi
14194 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
14195 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
14196 \fi
14197 }%
14198 \def\realfootnote{%
14199 \@ifnextchar[\@xfootnote{%
14200 \stepcounter{\@mpfn}%
14201 \protected@xdef\@thefnmark{\thempfn}%
14202 \H@@footnotemark\H@@footnotetext
14203 }%
14204 }%
14205 \fi
14206 \def\Hy@BeginAnnot#1{%
14207 \ifmmode\else\beginL\fi%
14208 \global\advance\c@Hy@AnnotLevel\@ne
14209 \ifnum\c@Hy@AnnotLevel=\@ne
14210 #1%
14211 \fi
14212 }
14213 \def\Hy@endAnnot{%
14214 \ifnum\c@Hy@AnnotLevel=\@ne
14215 \Hy@endcolorlink
14216 \@pdfmark{eann}%
14217 \fi
14218 \global\advance\c@Hy@AnnotLevel\m@ne
14219 \ifmmode\else\endL\fi%
14220 }
14221 \def\hyper@link#1#2#3{%

```




```

14222 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
14223 }
14224 \def\hyper@linkfile#1#2#3{%
14225 \leavevmode
14226 \Hy@BeginAnnot{%
14227 \def\Hy@pstringF{#2}%
14228 \Hy@CleanupFile\Hy@pstringF
14229 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
14230 \Hy@pstringdef\Hy@pstringD{#3}%
14231 \Hy@MakeRemoteAction
14232 \@pdfm@mark{%
14233 bann<<%
14234 /Type/Annot%
14235 /Subtype/Link%
14236 \ifHy@pdfa /F 4\fi
14237 \Hy@setpdfborder
14238 \ifx\@filebordercolor\relax
14239 \else
14240 /C[\@filebordercolor]%
14241 \fi
14242 /A<<%
14243 /S/GoToR%
14244 /F(\Hy@pstringF)%
14245 /D%
14246 \ifx\#3\%
14247 [\Hy@href@page\@pdfremotestartview]%
14248 \else
14249 (\Hy@pstringD)%
14250 \fi
14251 \Hy@SetNewWindow
14252 \Hy@href@nextactionraw
14253 >>%
14254 >>%
14255 }%
14256 \Hy@colorlink\@filecolor
14257 }%
14258 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14259 \Hy@endAnnot
14260 }
14261 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
14262 \leavevmode
14263 \Hy@BeginAnnot{%
14264 \Hy@pstringdef\Hy@pstringF{#1}%
14265 \Hy@pstringdef\Hy@pstringP{#3}%
14266 \@pdfm@mark{%
14267 bann<<%
14268 /Type/Annot%
14269 /Subtype/Link%
14270 \ifHy@pdfa /F 4\fi
14271 \Hy@setpdfborder
14272 \ifx\@runbordercolor\relax
14273 \else
14274 /C[\@runbordercolor]%
14275 \fi

```



```

14276      /A<<%
14277      /F(\Hy@pstringF)%
14278      /S/Launch%
14279      \Hy@SetNewWindow
14280      \ifx\#3\%
14281      \else
14282      /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
14283      \fi
14284      \Hy@href@nextactionraw
14285      >>%
14286      >>%
14287      }%
14288      \Hy@colorlink\@runcolor
14289      }%
14290      \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14291      \Hy@EndAnnot
14292  }
14293  \def\hyper@linkurl#1#2{%
14294    \leavevmode
14295    \Hy@BeginAnnot{%
14296      \Hy@pstringdef\Hy@pstringURI{#2}%
14297      \@pdfm@mark{%
14298        bann<<%
14299        /Type/Annot%
14300        /Subtype/Link%
14301        \ifHy@pdfa /F 4\fi
14302        \Hy@setpdfborder
14303        \ifx\@urlbordercolor\relax
14304        \else
14305        /C[\@urlbordercolor]%
14306        \fi
14307        /A<<%
14308        /S/URI%
14309        /URI(\Hy@pstringURI)%
14310        \ifHy@href@ismap
14311        /IsMap true%
14312        \fi
14313        \Hy@href@nextactionraw
14314        >>%
14315        >>%
14316        }%
14317        \Hy@colorlink\@urlcolor
14318        }%
14319        \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14320        \Hy@EndAnnot
14321    }
14322    \def\Acrobatmenu#1#2{%
14323      \Hy@Acrobatmenu{#1}{#2}{%
14324        \Hy@BeginAnnot{%
14325          \EdefEscapeName\Hy@temp@menu{#1}%
14326          \@pdfm@mark{%
14327            bann<<%
14328            /Type/Annot%
14329            /Subtype/Link%

```



```

14330         \ifHy@pdfa /F 4\fi
14331         \Hy@setpdfborder
14332         \ifx\@menubordercolor\relax
14333         \else
14334         /C[\@menubordercolor]%
14335         \fi
14336         /A<<%
14337         /S/Named%
14338         /N/\Hy@temp@menu
14339         \Hy@href@nextactionraw
14340         >>%
14341         >>%
14342         }%
14343         \Hy@colorlink\@menucolor
14344     }%
14345     \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14346     \Hy@EndAnnot
14347 }%
14348 }
14349 \def\hyper@natlinkstart#1{%
14350     \Hy@backout{#1}%
14351     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
14352     \def\hyper@nat@current{#1}%
14353 }
14354 \def\hyper@natlinkend{%
14355     \if@RTL\endR\fi\hyper@linkend
14356 }
14357 \def\hyper@natlinkbreak#1#2{%
14358     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
14359 }%
14360 }
14361 \pdfstringdefDisableCommands{%
14362     \let\LRE\@firstofone
14363     \let\LR\@firstofone
14364     \let\RLE\@firstofone
14365     \let\RL\@firstofone
14366     \def\XeTeX{Xe\TeX}%
14367     \def\XeLaTeX{Xe\LaTeX}%
14368 }
14369 \@ifpackageloaded{longtable}{%
14370     \begingroup
14371         \def\y{\LT@array}%
14372         \@ifundefined{scr@LT@array}{%
14373             \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
14374         }{\def\y{\scr@LT@array}}%
14375         \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
14376             \expandafter\endgroup
14377             \expandafter\def\y[##1]##2{%
14378                 \H@refstepcounter{#1}%
14379                 \hyper@makecurrent{table}%
14380                 \let\Hy@LT@currentHref\@currentHref
14381                 #2\@sharp####4%
14382             }%
14383         }%

```



```

14384 \expandafter\expandafter\expandafter\x\y[{\#1}]{\#2}\@nil
14385 \begingroup
14386 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
14387 \endgroup
14388 \def\LT@start{%
14389 #1%
14390 \ifvoid\LT@foot#2\fi
14391 \let\@currentHref\Hy@LT@currentHref
14392 \Hy@raisedlink{%
14393 \hyper@anchorstart{\@currentHref}\hyper@anchorend
14394 }%
14395 #3%
14396 }%
14397 }%
14398 \expandafter\x\LT@start\@nil
14399 }{}
14400 \bidi@patchcmd\@TextField{%
14401 \@pdfm@mark
14402 }{%
14403 \if@RTL
14404 \hskip\Fld@width
14405 \fi
14406 \@pdfm@mark
14407 }{}{}
14408 \bidi@patchcmd\@TextField{%
14409 \unhbox
14410 }{%
14411 \if@RTL
14412 \hskip-\Fld@width
14413 \fi
14414 \unhbox
14415 }{}{}
14416 \bidi@patchcmd\@@Radio{%
14417 \@pdfm@mark
14418 }{%
14419 \if@RTL
14420 \hskip\Fld@width
14421 \fi
14422 \@pdfm@mark
14423 }{}{}
14424 \bidi@patchcmd\@@Radio{%
14425 \unhcopy
14426 }{%
14427 \if@RTL
14428 \hskip-\Fld@width
14429 \fi
14430 \unhcopy
14431 }{}{}
14432 \bidi@patchcmd\@Submit{%
14433 \@pdfm@mark
14434 }{%
14435 \if@RTL
14436 \null
14437 \hskip\wd\pdfm@box

```



```

14438 \fi
14439 \@pdfm@mark
14440 }{}{}
14441 \bidi@patchcmd\@Submit{%
14442 \unhbox
14443 }{%
14444 \if@RTL
14445 \hskip-\wd\pdfm@box
14446 \fi
14447 \unhbox
14448 }{}{}
14449 \bidi@patchcmd\@Reset{%
14450 \@pdfm@mark
14451 }{%
14452 \if@RTL
14453 \null
14454 \hskip\wd\pdfm@box
14455 \fi
14456 \@pdfm@mark
14457 }{}{}
14458 \bidi@patchcmd\@Reset{%
14459 \unhbox
14460 }{%
14461 \if@RTL
14462 \hskip-\wd\pdfm@box
14463 \fi
14464 \unhbox
14465 }{}{}

```

86 File `imsproc-xetex-bidi.def`

```

14466 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
14467 \newenvironment{thebibliography}[1]{%
14468 \@bibtitlestyle
14469 \normalfont\bibliofont\labelsep .5em\relax
14470 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
14471 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14472 \bidi@thebibliography@font@hook
14473 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
14474 \leftmargin\labelwidth \advance\leftmargin\labelsep
14475 \usecounter{enumiv}}%
14476 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
14477 \sfcode`\.\@m
14478 }{%
14479 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
14480 \endlist
14481 }
14482
14483 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
14484 \columnseprule\z@ \columnsep 35\p@
14485 \@indextitlestyle
14486 \thispagestyle{plain}%
14487 \let\item\@idxitem
14488 \parindent\z@ \parskip\z@\@plus.3\p@\relax

```



```

14489 \if@RTL\raggedleft\else\raggedright\fi
14490 \hyphenpenalty\@M
14491 \footnotesize}
14492 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
14493 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
14494 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
14495
14496 \def\right@footnoterule{%
14497 \kern-.4\p@
14498 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
14499 \kern11\p@\kern-\footnotesep}
14500 \def\left@footnoterule{\kern-.4\p@
14501 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
14502 \def\@makefnmark{%
14503 \leavevmode
14504 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
14505 }
14506
14507 \def\part{\@startsection{part}{0}%
14508 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
14509 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
14510 \def\@tocline#1#2#3#4#5#6#7{\relax
14511 \ifnum #1>\c@tocdepth % then omit
14512 \else
14513 \par \addpenalty\@secpenalty\addvspace{#2}%
14514 \begingroup \hyphenpenalty\@M
14515 \ifempty{#4}{%
14516 \@tempdima\c@tocindent\@tocdepth\relax
14517 }{%
14518 \@tempdima#4\relax
14519 }%
14520 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#3\relax
14521 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14522 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
14523 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
14524 \nobreak
14525 \endgroup
14526 \fi}
14527 \renewcommand\thesubsection {\thesecount\@SepMark\arabic{subsection}}
14528 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
14529 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
14530 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
14531 \def\maketitle{\par
14532 \topnum\z@ % this prevents figures from falling at the top of page 1
14533 \setcopyright
14534 \thispagestyle{firstpage}% this sets first page specifications
14535 \uppercase\shorttitle
14536 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
14537 \else \andify\shortauthors
14538 \fi
14539 \@maketitle@hook
14540 \begingroup
14541 \@maketitle
14542 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%

```



```

14543 \toks4{\def\\{ \ignorespaces}}% defend against questionable usage
14544 \edef\@tempa{%
14545   \@nx\markboth{\the\toks4
14546     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
14547 \@tempa
14548 \endgroup
14549 \c@footnote\z@
14550 \@cleartopmattertags
14551 }

```

87 File leqno-xetex-bidi.def

```

14552 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
14553 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
14554   \rlap{\hskip -\displaywidth
14555     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

88 File letter-xetex-bidi.def

```

14556 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
14557 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
14558   \thispagestyle{firstpage}%
14559   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
14560 \else % home address
14561   \thispagestyle{empty}%
14562   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
14563     \fromaddress \*[2\parskip]%
14564     \@date \end{tabular}\par}%
14565 \fi
14566 \vspace{2\parskip}%
14567 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
14568 \vspace{2\parskip}%
14569 #1\par\nobreak}
14570 \renewcommand\left@footnoterule{%
14571   \kern-\p@
14572   \hrule \@width .4\columnwidth
14573   \kern .6\p@}
14574 \renewcommand\right@footnoterule{%
14575   \kern-\p@
14576   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14577   \kern .6\p@}

```

89 File lettrine-xetex-bidi.def

```

14578 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package]
14579 \def\@lettrine[#1]#2#3{%
14580   \def\l@initial{#2}\let\l@refstring\l@initial
14581   \setcounter{L@lines}{\value{DefaultLines}}%
14582   \setcounter{L@depth}{\value{DefaultDepth}}%
14583   \renewcommand*\L@hang{\DefaultLhang}%
14584   \renewcommand*\L@oversize{\DefaultLoversize}%
14585   \renewcommand*\L@raise{\DefaultLraise}%
14586   \renewcommand*\L@ante{}%
14587   \setlength{L@Findent}{\DefaultFindent}%

```



```

14588 \setlength{\L@Nindent}{\DefaultNindent}%
14589 \setlength{\L@slope}{\DefaultSlope}%
14590 \setlength{\L@novskip}{\DiscardVskip}%
14591 \ifLettrineImage\L@imagertrue\else\L@imagefalse\fi
14592 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
14593 \ifLettrineRealHeight\L@realhtrue\else\L@realhffalse\fi
14594 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
14595 \setkeys{L}{#1}%
14596 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
14597 \ifL@realh
14598   \def\@tempa{#3}%
14599   \ifx\@tempa\@empty
14600     \PackageWarning{lettrine.sty}%
14601       {Empty second argument, \MessageBreak
14602         ignoring option `realheight';}%
14603   \else
14604     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
14605   \fi
14606 \fi
14607 \if\DefaultOptionsFile\relax
14608 \else
14609   \begingroup
14610   \InputIfFileExists{\DefaultOptionsFile}%
14611     {}%
14612   {\PackageWarning{lettrine.sty}%
14613     {File \DefaultOptionsFile\space not found}}%
14614  }%
14615   \def\color##1##{\l@color{##1}}%
14616   \let\l@color\@gobbletwo
14617   \def\textcolor##1##{\l@textcolor{##1}}%
14618   \def\l@textcolor##1##2##3{##3}%
14619   \expandafter\ifx\csname l@#2-keys\endcsname\relax
14620     \gdef\l@LOKeys{}%
14621   \else
14622     \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
14623   \fi
14624 \endgroup
14625 \def\KV@prefix{KV@L@}%
14626 \let\@tempc\relax
14627 \expandafter\KV@do\l@LOKeys,\relax,
14628 \setupL@lbox
14629 \setlength{\LettrineWidth}{\wd\L@lbox}%
14630 \def\KV@prefix{KV@L@}%
14631 \let\@tempc\relax
14632 \expandafter\KV@do\l@LOKeys,\relax,
14633 \setkeys{L}{#1}%
14634 \fi
14635 \setupL@lbox
14636 \setlength{\LettrineWidth}{\wd\L@lbox}%
14637 \setlength{\LettrineHeight}{\ht\L@lbox}%
14638 \setlength{\LettrineDepth}{\dp\L@lbox}%
14639 \begingroup
14640 \def\IeC##1{##1}%
14641 \@tempdima=L@oversize pt\relax

```




```

14642 \PackageInfo{lettrine.sty}%
14643   {Targeted height = \the\L@target@ttht\MessageBreak
14644     (no accent, loversize=0),\MessageBreak
14645     Lettrine height = \the\LettrineHeight\space (#2)%
14646     \ifdim\@tempdima=\z@ \else \space loversize=\L@oversize\fi;%
14647     \MessageBreak reported}%
14648 \endgroup
14649 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
14650 \setlength{\L@first}{\LettrineHeight}%
14651 \setlength{\L@lraise}{\L@raise\L@target@ttht}%
14652 \addtolength{\L@first}{\L@lraise}%
14653 \ifnum\value{L@lines}=1
14654   \addtolength{\L@first}{-\ht\L@tbox}%
14655 \else
14656   \addtolength{\L@first}{-\L@target@ttht}%
14657   \addtolength{\L@lraise}{-\L@target@dp}%
14658 \fi
14659 \par
14660 \ifdim\L@first>\L@novskip
14661   \ifL@grid
14662     \@tempdima=\baselineskip
14663     \@tempdimb=\@tempdima
14664     \advance\@tempdimb by \L@novskip
14665     \@tempcnta=1
14666     \loop\ifdim\L@first>\@tempdimb
14667       \advance\@tempcnta by 1
14668       \advance\L@first by -\@tempdima
14669     \repeat
14670     \L@first=\@tempcnta\baselineskip
14671   \fi
14672   \vskip\L@first
14673 \fi
14674 \setlength{\L@Pindent}{\wd\L@lbox}%
14675 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
14676 \settowidth{\L@first}{\L@ante}%
14677 \addtolength{\L@Pindent}{\L@first}%
14678 \addtolength{\L@Pindent}{\L@Findent}%
14679 \setlength{\L@first}{\linewidth}%
14680 \addtolength{\L@first}{-\L@Pindent}%
14681 \addtolength{\L@Nindent}{\L@Pindent}%
14682 \setlength{\L@next}{\linewidth}%
14683 \addtolength{\L@next}{-\L@Nindent}%
14684 \addtolength{\L@Pindent}{\@totalleftmargin}%
14685 \addtolength{\L@Nindent}{\@totalleftmargin}%
14686 \addtocounter{L@lines}{1}%
14687 \addtocounter{L@lines}{\value{L@depth}}%
14688 \ifRTL
14689   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
14690 \else
14691   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
14692 \fi
14693 \@tempcnta=\tw@
14694 \@whilenum \@tempcnta<\c@L@lines\do{%
14695   \ifRTL

```



```

14696     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
14697     \else
14698       \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
14699     \fi
14700     \addtolength{\L@Nindent}{\L@slope}%
14701     \addtolength{\L@next}{-\L@slope}%
14702     \advance\@tempcnta\@ne}%
14703 \if@RTL
14704   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
14705 \else
14706   \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
14707 \fi
14708 \noindent
14709 \parshape=\L@parshape\relax
14710 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
14711       \hskip \the\L@Findent}}%
14712 \usebox{\L@tbox}%
14713 \ifnum\@listdepth>0 \Lreset@listparshape \fi
14714 }

```

90 File `lineno-xetex-bidi.def`

```

14715 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
14716 \bidi@patchcmd{\MakeLineNo}{%
14717   \hb@xt@\z@{\makeLineNumber}%
14718 }{%
14719   \hboxL to \z@{\makeLineNumber}%
14720 }{}{}
14721
14722 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
14723   \if@RTL
14724     \hb@xt@\linewidthwidth{\LineNumber\hss}%
14725   \else
14726     \LineNumber
14727   \fi
14728 }{}{}
14729
14730 \bidi@patchcmd{\makeLineNumberRight}{%
14731   \hb@xt@\linewidthwidth{\hss\LineNumber}%
14732 }{%
14733   \if@RTL
14734     \LineNumber
14735   \else
14736     \hb@xt@\linewidthwidth{\hss\LineNumber}%
14737   \fi
14738 }{}{}
14739
14740 \bidi@AfterPreamble{%
14741   \if@RTLmain
14742     \rightlinenumbers*
14743   \else
14744     \leftlinenumbers*
14745   \fi
14746   \ifpackagewith{lineno}{left}{%

```



```

14747 \leftlinenumbers*
14748 }{}
14749 \@ifpackagewith{lineno}{right}{%
14750 \rightlinenumbers*
14751 }{}
14752 }
14753

```

91 File listings-xetex-bidi.def

```

14754 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
14755 \lst@Key{captiondirection}{textdirection}{%
14756 \lstKV@SwitchCases{#1}%
14757 {textdirection:\\%
14758 RTL:\chardef\bidi@lst@caption@direction\@ne\\%
14759 LTR:\chardef\bidi@lst@caption@direction\z@%
14760 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
14761
14762 \lst@Key{captionscript}{textscript}{%
14763 \lstKV@SwitchCases{#1}%
14764 {textscript:\\%
14765 latin:\chardef\bidi@lst@caption@script\@ne\\%
14766 nonlatin:\chardef\bidi@lst@caption@script\z@%
14767 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
14768
14769 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
14770 \ifundefined{bidi@lst@caption@direction}{}%
14771 \ifnum\bidi@lst@caption@direction=\z@%
14772 #1%
14773 \else%
14774 \ifnum\bidi@lst@caption@direction=\@ne%
14775 #2%
14776 \fi%
14777 \fi%
14778 }}
14779
14780 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
14781 \ifundefined{bidi@lst@caption@script}{}%
14782 \ifnum\bidi@lst@caption@script=\z@%
14783 #1%
14784 \else%
14785 \ifnum\bidi@lst@caption@script=\@ne%
14786 #2%
14787 \fi%
14788 \fi%
14789 }}
14790
14791 \long\def\@bidi@lst@makecaption#1#2{%
14792 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
14793 \vskip\abovcaptionskip
14794 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14795 \sbox\@tempboxa{%
14796 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
14797 #1: #2%

```



```

14798 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
14799 }%
14800 \ifdim \wd\@tempboxa >\hsize
14801 #1: #2\par
14802 \else
14803 \global \@minipagefalse
14804 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14805 \fi
14806 \vskip\belowcaptionskip}%
14807 \def\lst@makecaption{\@bidi@lst@makecaption}
14808 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
14809 \bidi@AtEndPreamble{%
14810 \bidi@patchcmd{\lst@MakeCaption}{%
14811 \ifx #1t%
14812 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
14813 \expandafter\refstepcounter
14814 \fi {lstlisting}%
14815 }{%
14816 \ifx #1t%
14817 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14818 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
14819 \expandafter\refstepcounter
14820 \fi {lstlisting}%
14821 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
14822 }{}{}%
14823 \bidi@patchcmd{\lst@MakeCaption}{%
14824 \addcontentsline{lol}{lstlisting}%
14825 {\protect\numberline{\thelstlisting}\lst@@caption}%
14826 }{}%
14827 \begingroup%
14828 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14829 \addcontentsline{lol}{lstlisting}%
14830 {\protect\numberline{\thelstlisting}\lst@@caption}%
14831 \endgroup%
14832 }{}{}%
14833 }
14834 \@ifpackageloaded{caption}{%
14835 \AtBeginCaption{%
14836 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
14837 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
14838 }
14839 \let\@bidi@lst@makecaption\caption@makecaption%
14840 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
14841 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
14842 }{}%
14843 \AtBeginDocument{%
14844 \@ifundefined{captionlabelfalse}{}{}%
14845 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
14846 \@ifundefined{caption@startrue}{}{}%
14847 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
14848 }%
14849 }
14850 \AtBeginDocument{
14851 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}

```



```

14852 \lst@ifnumberbychapter
14853     \gdef\thelstlisting%
14854         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
14855 \else
14856     \gdef\thelstlisting{\@arabic\c@lstlisting}
14857 \fi}

```

92 File `lstmisc-xetex-bidi.def`

```

14858 \ProvidesFile{lstmisc-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for lstmisc package f
14859 \bidi@patchcmd{\lsthk@Init}{%
14860     \rightskip\@rightskip
14861     \leftskip\z@skip
14862 }{%
14863     \if@hboxRconstruct
14864         \leftskip\@flushglue
14865         \rightskip\z@skip
14866     \else
14867         \rightskip\@rightskip
14868         \leftskip\z@skip
14869     \fi
14870 }{}{}
14871
14872

```

93 File `loadingorder-xetex-bidi.def`

```

14873 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
14874 \bidi@isloaded{amsmath}
14875 \bidi@isloaded{amstext}
14876 \bidi@isloaded{amsthm}
14877 \bidi@isloaded{animate}
14878 \bidi@isloaded{breqn}
14879 \bidi@isloaded{cals}
14880 \bidi@isloaded{caption}
14881 \bidi@isloaded{crop}
14882 \bidi@isloaded{cuted}
14883 \bidi@isloaded{cutwin}
14884 \bidi@isloaded{color}
14885 \bidi@isloaded{dblfnote}
14886 \bidi@isloaded{diagbox}
14887 \bidi@isloaded{xcolor}
14888 \bidi@isloaded{colortbl}
14889 \bidi@isloaded{float}
14890 \bidi@isloaded{floatrow}
14891 \bidi@isloaded{flowfram}
14892 \bidi@isloaded{framed}
14893 \bidi@isloaded{ftnright}
14894 \bidi@isloaded{xltextra}
14895 \bidi@isloaded{xunicode}
14896 \bidi@isloaded{wrapfig}
14897 \bidi@isloaded{graphicx}
14898 \bidi@isloaded{geometry}
14899 \bidi@isloaded{hvfloat}

```



```

14900 \bidi@isloaded{mdframed}
14901 \bidi@isloaded{midfloat}
14902 \bidi@isloaded{ntheorem}
14903 \bidi@isloaded{ntheorem-hyper}
14904 \bidi@isloaded{hyperref}
14905 \bidi@isloaded{fancybox}
14906 \bidi@isloaded{fancyhdr}
14907 \bidi@isloaded{fix2col}
14908 \bidi@isloaded{draftwatermark}
14909 \bidi@isloaded{empheq}
14910 \bidi@isloaded{overpic}
14911 \bidi@isloaded{pdfpages}
14912 \bidi@isloaded{listings}
14913 \bidi@isloaded{lettrine}
14914 \bidi@isloaded{lineno}
14915 \bidi@isloaded{media9}
14916 \bidi@isloaded{pstricks}
14917 \bidi@isloaded{pgf}
14918 \bidi@isloaded{picinpar}
14919 \bidi@isloaded{quotchap}
14920 \bidi@isloaded{tikz}
14921 \bidi@isloaded{titlesec}
14922 \bidi@isloaded{titletoc}
14923 \bidi@isloaded{array}
14924 \bidi@isloaded{soul}
14925 \bidi@isloaded{stabular}
14926 \bidi@isloaded{subfig}
14927 \bidi@isloaded{subfigure}
14928 \bidi@isloaded{supertabular}
14929 \bidi@isloaded{xtab}
14930 \bidi@isloaded{longtable}
14931 \bidi@isloaded{arydshln}
14932 \bidi@isloaded{multicol}
14933 \bidi@isloaded{multienum}
14934 \bidi@isloaded{minitoc}
14935 \bidi@isloaded{natbib}
14936 \bidi@isloaded{newfloat}
14937 \bidi@isloaded{ragged2e}
14938 \bidi@isloaded{rotating}
14939 \bidi@isloaded{tabls}
14940 \bidi@isloaded{tabulary}
14941 \bidi@isloaded{tocbasic}
14942 \bidi@isloaded{tocstyle}
14943 \bidi@isloaded{tocbibind}
14944 \bidi@isloaded{fontspec}
14945 \bidi@isloaded{arabxetex}
14946 \bidi@isloaded{polyglossia}
14947 \bidi@isloaded{fancyvrb}
14948 \AtBeginDocument{
14949   \if@bidi@amsmathloaded@else
14950     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
14951   \fi%
14952   \if@bidi@amstextloaded@else
14953     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack

```



```

14954 \fi%
14955 \if@bidi@amsthmloaded@else
14956 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packag
14957 \fi%
14958 \if@bidi@animateloaded@else
14959 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
14960 \fi%
14961 \if@bidi@breqnloaded@else
14962 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
14963 \fi%
14964 \if@bidi@calsloaded@else
14965 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
14966 \fi%
14967 \if@bidi@captionloaded@else
14968 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
14969 \fi%
14970 \if@bidi@croplloaded@else
14971 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
14972 \fi%
14973 \if@bidi@colorloaded@else
14974 \@ifpackageloaded{hyperref}{\fi}%
14975 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
14976 \fi%
14977 \if@bidi@cutwinloaded@else
14978 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
14979 \fi%
14980 \if@bidi@cutedloaded@else
14981 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
14982 \fi%
14983 \if@bidi@dblfnoteloaded@else
14984 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
14985 \fi%
14986 \if@bidi@diagboxloaded@else
14987 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
14988 \fi%
14989 \if@bidi@xcolorloaded@else
14990 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
14991 \fi%
14992 \if@bidi@colortblloaded@else
14993 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
14994 \fi%
14995 \if@bidi@floatloaded@else
14996 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
14997 \fi%
14998 \if@bidi@floatrowloaded@else
14999 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
15000 \fi%
15001 \if@bidi@flowframloaded@else
15002 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
15003 \fi%
15004 \if@bidi@framedloaded@else
15005 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
15006 \fi%
15007 \if@bidi@ftnrightloaded@else

```



```

15008     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pack
15009 \fi%
15010 \if@bidi@xltxttraloaded@else
15011     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttr after bidi pack
15012 \fi%
15013 \if@bidi@xunicodeloaded@else
15014     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pack
15015 \fi%
15016 \if@bidi@wrapfigloaded@else
15017     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
15018 \fi%
15019 \if@bidi@graphicxloaded@else
15020     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pack
15021 \fi%
15022     \if@bidi@geometryloaded@else
15023     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
15024 \fi%
15025 \if@bidi@hvfloatloaded@else
15026     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
15027 \fi%
15028     \if@bidi@mdframedloaded@else
15029     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pack
15030 \fi%
15031     \if@bidi@midfloatloaded@else
15032     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pack
15033 \fi%
15034     \if@bidi@ntheoremloaded@else
15035     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pack
15036 \fi%
15037 \if@bidi@hyperrefloaded@else
15038     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pack
15039 \fi%
15040     \if@bidi@fancyboxloaded@else
15041     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pack
15042 \fi%
15043 \if@bidi@fancyhdrloaded@else
15044     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pack
15045 \fi%
15046 \if@bidi@draftwatermarkloaded@else
15047     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
15048 \fi%
15049 \if@bidi@empheqloaded@else
15050     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
15051 \fi%
15052     \if@bidi@overpicloaded@else
15053     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
15054 \fi%
15055 \if@bidi@pdfpagesloaded@else
15056     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pack
15057 \fi%
15058 \if@bidi@lettrineloaded@else
15059     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pack
15060 \fi%
15061 \if@bidi@linenoloaded@else

```




```

15062     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
15063 \fi%
15064 \if@bidi@listingsloaded@else
15065     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
15066 \fi%
15067 \csname if@bidi@media9loaded@endcsname\else
15068     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
15069 \fi%
15070 \if@bidi@pstricksloaded@else
15071     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
15072 \fi%
15073 \if@bidi@pgfloaded@else
15074     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
15075 \fi%
15076 \if@bidi@picinparloaded@else
15077     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
15078 \fi%
15079 \if@bidi@quotchaploaded@else
15080     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
15081 \fi%
15082 \if@bidi@tikzloaded@else
15083     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
15084 \fi%
15085 \if@bidi@titlesecloaded@else
15086     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
15087 \fi%
15088 \if@bidi@titletocloaded@else
15089     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
15090 \fi%
15091 \if@bidi@arrayloaded@else
15092     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
15093 \fi%
15094 \if@bidi@stabularloaded@else
15095     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
15096 \fi%
15097 \if@bidi@soulloaded@else
15098     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
15099 \fi%
15100 \if@bidi@subfigloaded@else
15101     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
15102 \fi%
15103 \if@bidi@subfigureloaded@else
15104     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
15105 \fi%
15106 \if@bidi@supertabularloaded@else
15107     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
15108 \fi%
15109 \if@bidi@xtableloaded@else
15110     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
15111 \fi%
15112 \if@bidi@longtableloaded@else
15113     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
15114 \fi%
15115 \if@bidi@arydshnloaded@else

```



```

15116     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
15117 \fi%
15118 \if@bidi@multicolloaded@else
15119     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
15120 \fi%
15121 \if@bidi@multienumloaded@else
15122     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
15123 \fi%
15124 \if@bidi@minitocloaded@else
15125     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
15126 \fi%
15127 \if@bidi@natbibloaded@else
15128     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
15129 \fi%
15130 \if@bidi@newfloatloaded@else
15131     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
15132 \fi%
15133 \csname if@bidi@ragged2eloaded@endcsname\else
15134     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
15135 \fi%
15136 \if@bidi@rotatingloaded@else
15137     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
15138 \fi%
15139 \if@bidi@tblsloaded@else
15140     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
15141 \fi%
15142 \if@bidi@tabularyloaded@else
15143     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
15144 \fi%
15145 \if@bidi@tocbasicloaded@else
15146     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
15147 \fi%
15148 \if@bidi@tocstyleloaded@else
15149     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
15150 \fi%
15151 \if@bidi@tocbibindloaded@else
15152     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
15153 \fi%
15154 \if@bidi@fontspecloaded@else
15155     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
15156 \fi%
15157 \if@bidi@arabxetexloaded@else
15158     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
15159 \fi%
15160 \if@bidi@polyglossialloaded@else
15161     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
15162 \fi%
15163 \if@bidi@fancyvrbloaded@else
15164     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
15165 \fi%
15166 }

```

94 File longtable-xetex-bidi.def



```

15167 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
15168 \def\LT@array[#1]#2{%
15169   \refstepcounter{table}\stepcounter{LT@tables}%
15170   \if l#1%
15171     \if@RTLtab\LTleft\fill \Ltright\z@\else\LTleft\z@ \Ltright\fill\fi
15172   \else\if r#1%
15173     \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
15174   \else\if c#1%
15175     \LTleft\fill \Ltright\fill
15176   \fi\fi\fi
15177   \let\LT@mc\multicolumn
15178   \let\LT@@tabarray\@tabarray
15179   \let\LT@hline\hline
15180   \def\@tabarray{%
15181     \let\hline\LT@hline
15182     \LT@@tabarray}%
15183   \let\@LT@tabularcr\let\@tabularnewline\@
15184   \def\newpage{\noalign{\break}}%
15185   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
15186   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
15187   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
15188   \@tempdima\ht\strutbox
15189   \let\@endpbox\LT@endpbox
15190   \ifx\extrarowheight\undefined
15191     \let\@acol\@tabacol
15192     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
15193     \def\@startpbox{\vtop\LT@startpbox}%
15194     \let\@@startpbox\@startpbox
15195     \let\@@endpbox\@endpbox
15196     \let\LT@LL@FM@cr\@tabularcr
15197   \else
15198     \advance\@tempdima\extrarowheight
15199     \col@sep\@tabcolsep
15200     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
15201   \fi
15202   \setbox\@arstrutbox\hbox{\vrule
15203     \@height \arraystretch \@tempdima
15204     \@depth \arraystretch \dp \strutbox
15205     \@width \z@}%
15206   \let\@sharp#\let\protect\relax
15207   \begingroup
15208     \mkpream{#2}%
15209     \xdef\LT@bchunk{%
15210       \global\advance\c@LT@chunks\@ne
15211       \global\LT@rows\z@\setbox\z@\vbox\bgroup
15212       \LT@setprevdepth
15213       \tabskip\LTleft \noexpand\halign to\hsize\bgroup
15214       \tabskip\z@ \@arstrut \@preamble \tabskip\Ltright \cr}%
15215   \endgroup
15216   \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
15217   \LT@make@row
15218   \m@th\let\par\@empty
15219   \everycr{}\lineskip\z@\baselineskip\z@
15220   \LT@bchunk}

```



```

15221 \def\LT@makecaption#1#2#3{%
15222   \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]{LTcapwidth{%
15223     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
15224     \ifdim\wd\@tempboxa>\hsize
15225       #1{#2: }#3%
15226     \else
15227       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
15228     \fi
15229   \endgraf\vskip\baselineskip}%
15230   \hss}}}%
15231 \ifpackageloaded{caption}{%
15232   \renewcommand\LT@makecaption[3]{%
15233     \caption@LT@make{%
15234       \caption@LT@settype\LTcaptype
15235       \caption@LT@setup
15236       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
15237       \caption@startrue#1\caption@starfalse
15238       \caption@prepare@stepcounter\LTcaptype
15239       \caption@begin\LTcaptype
15240       \caption@normalsize
15241       \vskip-\ht\strutbox
15242       \caption@ifdefined\FBifcapttop{%
15243         \let\caption@belowskip\@empty}{}%
15244       \caption@make@above
15245       \caption@@make{#2}{#3}\endgraf
15246       \caption@make@below
15247     \caption@end}}}%
15248 }{}%
15249 \def\LT@startpbox#1{%
15250   \bgroup\color@begingroup
15251   \let\@footnotetext\LT@p@fnttext
15252   \let\@LTRfootnotetext\LT@p@LTRfnttext
15253   \let\@RTLfootnotetext\LT@p@RTLfnttext
15254   \setlength\hsize{#1}%
15255   \@arrayparboxrestore
15256   \vrule \@height \ht\@arstrutbox \@width \z@}
15257 \def\LT@p@LTRfnttext#1{%
15258   \edef\@tempa{\the\LT@p@fnt\noexpand\LTRfootnotetext[\the\c@footnote]}}%
15259   \global\LT@p@fnt\expandafter{\@tempa{#1}}}%
15260 \def\LT@p@RTLfnttext#1{%
15261   \edef\@tempa{\the\LT@p@fnt\noexpand\RTLfootnotetext[\the\c@footnote]}}%
15262   \global\LT@p@fnt\expandafter{\@tempa{#1}}}%
15263
15264
15265 \def\LT@output{%
15266   \ifnum\outputpenalty <-\@Mi
15267     \ifnum\outputpenalty > -\LT@end@pen
15268       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
15269     \else
15270       \setbox\z@\vbox{\unvbox\@cclv}%
15271       \ifdim \ht\LT@lastfoot>\ht\LT@foot
15272         \dimen@ \pagegoal
15273         \advance\dimen@-\ht\LT@lastfoot
15274         \ifdim\dimen@<\ht\z@

```



```

15275         \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
15276         \@makecol
15277         \@outputpage
15278         \setbox\z@\vbox{\box\LT@head}%
15279     \fi
15280 \fi
15281 \global\@colroom\@colht
15282 \global\vsize\@colht
15283 \vbox
15284     {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
15285 \fi
15286 \else
15287     \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
15288     \@makecol
15289     \@outputpage
15290     \global\vsize\@colroom
15291     \copy\LT@head\nobreak
15292 \fi}

```

95 File `lscapexetex-bidi.def`

```

15293 \ProvidesFile{lscapexetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscape package for
15294 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
15295 \if@RTL
15296     \rotatebox[origin=br]{-90}{\box\@outputbox}%
15297 \else
15298     \rotatebox{90}{\box\@outputbox}%
15299 \fi
15300 }{}{}
15301 \g@addto@macro{\landscape}{%
15302 \let\bidi@left@footnoterule\left@footnoterule
15303 \let\bidi@right@footnoterule\right@footnoterule
15304 \def\left@footnoterule{%
15305 \if@RTL
15306     \bidi@right@footnoterule
15307 \else
15308     \bidi@left@footnoterule
15309 \fi
15310 }%
15311 \def\right@footnoterule{%
15312 \if@RTL
15313     \bidi@left@footnoterule
15314 \else
15315     \bidi@right@footnoterule
15316 \fi
15317 }%
15318 }

```

96 File `mathtoolsexetex-bidi.def`

```

15319 \ProvidesFile{mathtoolsexetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
15320 \MHInternalSyntaxOn
15321 \def\MT_define_tagform:nwnn #1[#2]#3#4{
15322     \@namedef{MT_tagform_#1:n}##1

```



```

15323   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
15324 }
15325 \renewtagform{default}{\{()\}}
15326 \MHInternalSyntaxOff

```

97 File mdframed-xetex-bidi.def

```

15327 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
15328 \newif\if@bidi@mdf@RTL
15329 \def\mdf@lrbox#1{%
15330   \mdf@patchamsthm\patch amsthm
15331   \if@RTL\@bidi@mdf@RTLtrue\fi%
15332   \@RTLfalse%
15333   \setbox#1\vbox\bgroup%
15334   \color@begingroup%
15335   \if@bidi@mdf@RTL\@RTLtrue\fi%
15336   \mdf@horizontalmargin@equation%
15337   \columnwidth=\hsize%
15338   \textwidth=\hsize%
15339   \let\if@nobreak\iffalse%
15340   \let\if@noskipsec\iffalse%
15341   \let\par\@par%
15342   \let\-\@dischyp%
15343   \let'\@accii\let'\@accii\let=\@acciii%
15344   \parindent\z@ \parskip\z@skip%
15345   \linewidth\hsize%
15346   \@totalleftmargin\z@%
15347   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
15348   \parfillskip\@flushglue \lineskip\normallineskip%
15349   \baselineskip\normalbaselineskip%
15350 %% \sloppy%
15351 \let\\\@normalcr%
15352 \mdf@par@local%New feature to restore parskip/parindent local in save box
15353 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
15354 \@afterindentfalse%
15355 %\@afterheading%
15356 }
15357 \renewrobustcmd\mdfframedtitleenv[1]{%
15358   \mdf@lrbox{\mdf@frametitlebox}%
15359   \mdf@frametitlealignment%
15360   \leavevmode{\color{\mdf@frametitlefontcolor}%
15361     \normalfont\mdf@frametitlefont{#1}
15362     \ifbool{mdf@ignorelastdescenders}%
15363     {%
15364       \par\strut\par
15365       \unskip\unskip\setbox0=\lastbox
15366       \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
15367     }{}%
15368   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
15369   \endmdf@lrbox\relax%
15370   \mdf@ignorevbadness%
15371   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
15372   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
15373   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%

```



```

15374 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
15375 \mdfframetitleboxtotalheight=\dimexpr
15376         \ht\mdf@frametitlebox
15377         +\dp\mdf@frametitlebox%
15378         +\mdf@frametitleaboveskip@length
15379         +\mdf@frametitlebelowskip@length
15380         \relax%
15381 }
15382
15383 \renewrobustcmd*\mdf@footnoteoutput{%
15384     \ifvoid\@mpfootins\else%
15385         \nobreak%
15386         \vskip\mdf@footnotedistance@length%
15387         \normalcolor%
15388         \bidi\@mpfootnoterule%
15389         \unvbox\@mpfootins%
15390     \fi%
15391 }
15392
15393
15394 \renewrobustcmd*\mdf@footnoteinput{%
15395     \def\@mpfn{\mpfootnote}%
15396     \def\thempfn{\thempfootnote}%
15397     \c@mpfootnote\z@%
15398     \let\@footnotetext\@mpfootnotetext%
15399     \let\@LTRfootnotetext\@mpLTRfootnotetext%
15400     \let\@RTLfootnotetext\@mpRTLfootnotetext%
15401 }

```

98 File bidi-media9.sty

```

15402 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
15403 {bidi fixes for media9 package for the XeTeX engine}
15404
15405 \keys_define:nn{media9/mbtn}{
15406     draft .code:n = {},
15407     final .code:n = {},
15408
15409     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
15410     tooltip .value_required:n = {true},
15411
15412     overface .code:n = {
15413         \sbox\l_mix_poster_box{
15414             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
15415             \mix_pdfxform:n{\l_mix_poster_box}
15416             \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
15417         },
15418     overface .value_required:n = {true},
15419
15420     downface .code:n = {
15421         \sbox\l_mix_poster_box{
15422             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
15423             \mix_pdfxform:n{\l_mix_poster_box}
15424             \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}

```



```

15425 },
15426 downface .value_required:n = {true},
15427
15428 3Dgotoview .code:n = {
15429   \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
15430   \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
15431   \tl_trim_spaces:N\l_tmpa_tl
15432   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
15433     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
15434       \tl_set:Nx\l_tmpb_tl{#1}         %extract idx
15435       \regex_replace_once:nnN{[~:~]+:??}{\1}\l_tmpb_tl
15436       \tl_trim_spaces:N\l_tmpb_tl
15437       \tl_if_blank:VF\l_tmpb_tl{
15438         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
15439           \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
15440         }{
15441           \regex_match:nVTF{^[d+~$]}\l_tmpb_tl{
15442             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
15443           }{
15444             \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
15445             \regex_replace_once:nnN{\s*~}{\1}\l_tmpb_tl
15446             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
15447           }
15448         }
15449       }
15450       \mix_pdfobj:nnn{}{dict}{
15451         /S/JavaScript/JS~(
15452           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
15453           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15454             annotRM['\l_tmpa_tl']=
15455               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15456           }
15457           annotRM['\l_tmpa_tl'].activated=true;
15458         )
15459         \tl_if_blank:VF\l_tmpb_tl{
15460           /Next~<<
15461           /S/GoTo3DView
15462           /TA~\tl_use:c{ann@\l_tmpa_tl}
15463           /V\l_mix_vidx_tl
15464         >>
15465       }
15466     }
15467     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15468   }
15469   ){
15470     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
15471     \cs_if_exist:NF\g_mix_refundefwarned_tl{
15472       \tl_new:N\g_mix_refundefwarned_tl
15473       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
15474     }
15475   }
15476 },
15477 3Dgotoview .value_required:n = {true},
15478

```




```

15479 mediacommand .code:n = {
15480   \tl_set:Nx\l_tmpa_tl{#1}
15481   \regex_replace_once:nnN{([^\:]+):??.*}\1\l_tmpa_tl %extract ref
15482   \tl_trim_spaces:N\l_tmpa_tl
15483   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
15484     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
15485       \tl_set:Nx\l_tmpb_tl{#1}
15486       \regex_replace_once:nnN{([^\:]+):\?}\1\l_tmpb_tl
15487       \tl_trim_spaces:N\l_tmpb_tl
15488       \regex_replace_all:nnN{^{\|}\$}\{\}\l_tmpb_tl
15489       \tl_set:Nx\l_mix_cmd_tl{
15490         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
15491       \tl_trim_spaces:N\l_mix_cmd_tl
15492       \tl_set:Nx\l_mix_arg_tl{
15493         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
15494       \tl_trim_spaces:N\l_mix_arg_tl
15495       \mix_pdfobj:nnn{\dict}{
15496         /S/JavaScript/JS~(
15497           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15498           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15499             annotRM['\l_tmpa_tl']=
15500               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15501           }
15502           annotRM['\l_tmpa_tl'].activated=true;
15503         )
15504         \tl_if_blank:VF\l_mix_cmd_tl{
15505           /Next~<<
15506           /S/RichMediaExecute
15507           /TA~\tl_use:c{ann@\l_tmpa_tl}
15508           /TI~\tl_use:c{main@\l_tmpa_tl}
15509           /CMD~<<
15510           /C~(\l_mix_cmd_tl)
15511           \tl_if_blank:VF\l_mix_arg_tl{
15512             /A~[\l_mix_arg_tl]
15513           }
15514           >>
15515         }
15516       }
15517     }
15518     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15519   }
15520 }{
15521   \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
15522   \cs_if_exist:NF\g_mix_refundefwarned_tl{
15523     \tl_new:N\g_mix_refundefwarned_tl
15524     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
15525   }
15526 }
15527 },
15528 mediacommand .value_required:n = {true},
15529
15530 jsaction .code:n = {
15531   \tl_set:Nx\l_tmpa_tl{#1}
15532   \regex_match:nVTF{^[^\:]+\?..*$}\l_tmpa_tl{

```



```

15533     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
15534     \tl_trim_spaces:N\l_tmpa_tl
15535   }{\tl_clear:N\l_tmpa_tl}
15536   \tl_set:Nx\l_tmpb_tl{#1}
15537   \tl_if_blank:VF\l_tmpa_tl{
15538     \tl_if_exist:cF{ann@\l_tmpa_tl}{
15539       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
15540       \cs_if_exist:NF\g_mix_refundefwarned_tl{
15541         \tl_new:N\g_mix_refundefwarned_tl
15542         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
15543       }
15544     }
15545     \regex_replace_once:nnN{[^\:]+\:}{\}\l_tmpb_tl
15546   }
15547   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
15548   \tl_trim_spaces:N\l_tmpb_tl
15549   \tl_if_blank:VF\l_tmpb_tl{
15550     \mix_pdfobj:nnn{}{dict}{
15551       /S/JavaScript/JS~(
15552         try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
15553   \bool_lazy_and:nnT{
15554     \tl_if_exist_p:c{ann@\l_tmpa_tl}
15555   }{
15556     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
15557   }{
15558     \mix_pdfobj:nnn{}{dict}{
15559       /S/JavaScript/JS~(
15560         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
15561         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15562           annotRM['\l_tmpa_tl']=
15563             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15564         }
15565         annotRM['\l_tmpa_tl'].activated=true;
15566       )
15567       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
15568     }
15569   }
15570   \bool_if:nT{
15571     \bool_lazy_and_p:nn{
15572       \tl_if_exist_p:c{ann@\l_tmpa_tl}
15573     }{
15574       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
15575     }
15576     || !\tl_if_blank_p:V\l_tmpb_tl
15577   }{
15578     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
15579   }
15580 },
15581 jsaction .value_required:n = {true},
15582
15583 unknown .code:n = {
15584   \msg_error:nnx{media9}{unknown-option}{\l_keys_key_tl}
15585 }
15586 }

```



```

15587
15588 \RenewDocumentCommand\includemedia{0{}}mm}{%#1 options, #2 text/image #3 media file
15589   \mix_uriend:
15590   \group_begin:
15591   \mix_beginLTR:
15592   \mode_leave_vertical:
15593   %empty stream as appearance dummy
15594   \cs_if_exist:NF\g_mix_appearance_tl{
15595     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
15596     \mix_pdfxform:n{\l_mix_poster_box}
15597     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
15598   }
15599   \mix_reset:
15600   \mix_urbegin: %treat URI characters correctly
15601   \keys_set:nn{media9/user}{#1}
15602   \mix_uriend:
15603   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
15604   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
15605   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
15606   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}{=}
15607   \tl_gtrim_spaces:N\g_mix_flashvars_tl
15608
15609   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
15610
15611   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
15612   %\hbox_set:Nn\l_mix_poster_box{#2}
15613   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
15614   \mix_scale:n{\l_mix_poster_box}
15615   \bool_if:nT{
15616     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
15617     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
15618   }{
15619     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
15620   }
15621   \bool_if:NTF\g_mix_usrdraft_bool{
15622     \tl_if_empty:NF\g_mix_usrlabel_tl{
15623       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
15624     }
15625     \tl_if_blank:oTF{#2}{
15626       \mix_urbegin: %treat URI characters correctly
15627       \mix_draftbox:n{\tl_to_str:n{#3}}
15628       \mix_uriend:
15629     }{
15630       \hbox_to_wd:nn{\g_mix_wd_tl}{
15631         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
15632         \box_use:N\l_mix_poster_box\hss
15633       }
15634     }
15635   }{
15636     \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
15637       %attach script that switches off play button overlay upon activation
15638       \mix_pdfobj:nnn{}{stream}{
15639         }{
15640           var~ocgs=host.getOCGs(host.pageNum);

```



```

15641         for(var~i=0;i<ocgs.length;i++){
15642             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
15643                 ocs[i].state=false;
15644             }
15645         }
15646     }
15647 }
15648 \mix_pdfobj:nnn}{dict}{
15649     /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
15650 }
15651 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
15652 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
15653 %enforce plain playbutton overlay for XeTeX
15654 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
15655 }
15656 %embed main asset
15657 \mix_uribegin:
15658 \mix_embedasset:n{#3}
15659 \bool_if:nTF{
15660     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
15661 }{
15662     \bool_gset_true:N\g_mix_iiid_bool
15663     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
15664 }{
15665     \str_case_e:nnF{\l_mix_base_tl}{
15666         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
15667         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
15668         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15669         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15670         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
15671     }\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
15672 }
15673 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
15674 \mix_uriend:
15675 %secondary assets (added by addresource)
15676 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
15677 \seq_map_inline:Nn\g_mix_script_seq{
15678     \mix_embedasset:n{##1}
15679     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
15680 }
15681 %attach 3D calculation script
15682 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
15683     \mix_embedasset:n{3Dmenu.js}
15684     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
15685 }
15686 %create 3D views from file (option 3Dviews)
15687 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
15688     \tl_set:Nn\l_mix_level_tl{-1}
15689     \int_zero:N\l_mix_viewcnt_int
15690     \int_zero:N\l_mix_lineno_int
15691
15692     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
15693     \ior_map_inline:Nn\l_mix_vfile_stream{
15694         \int_incr:N\l_mix_lineno_int

```



```

15695     \keys_set:nn{media9/views}{##1} %process input line
15696   }
15697   \ior_close:N\l_mix_vfile_stream
15698 }
15699 \bool_if:nT{ %create default 3D view if required
15700   \g_mix_iiid_bool &&
15701   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
15702 }{
15703   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
15704   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
15705   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
15706   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
15707   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
15708   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
15709   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
15710
15711   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
15712   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
15713   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
15714   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
15715
15716   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
15717   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
15718   \tl_clear:N\l_mix_naarray_tl
15719
15720   \bool_if:NF\l_mix_ciiw_bool{
15721     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
15722     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
15723   }
15724
15725   \tl_clear:N\l_mix_naarray_tl
15726   \tl_clear:N\l_mix_saarray_tl
15727   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
15728
15729   \mix_view:n{Default}
15730   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
15731
15732 }
15733 \mix_pdfobj:nnn{}{dict}{
15734   /Type/RichMediaInstance
15735   /Subtype/\g_mix_mainassetsub_tl
15736   /Asset~\g_mix_mainasset_tl
15737   \bool_if:NF\g_mix_iiid_bool{
15738     /Params~<<
15739     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
15740       /Foreground
15741     }{
15742       /Background
15743     }
15744     \tl_if_blank:VF\g_mix_flashvars_tl{
15745       /FlashVars~(\g_mix_flashvars_tl)
15746     }
15747     >>
15748   }

```



```

15749 }
15750 \tl_if_empty:NF\g_mix_usrlabel_tl{
15751   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
15752 }
15753 \mix_pdfobj:nnn{}{dict}{
15754   /Type/RichMediaConfiguration
15755   /Subtype/\g_mix_mainassetssub_tl
15756   /Instances~[\mix_pdflastobj:]
15757 }
15758 \mix_pdfobj:nnn{}{dict}{
15759   /Type/RichMediaContent
15760   /Assets~<</Names~[\g_mix_assets_tl]>>
15761   /Configurations~[\mix_pdflastobj:]
15762   \bool_if:nT{
15763     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
15764   }{
15765     /Views~[\l_mix_iiidviewarray_tl]
15766   }
15767 }
15768 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
15769 \bool_if:nT{
15770   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
15771 }{
15772   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
15773 }
15774 %determine floating window size
15775 \bool_if:NT\g_mix_opt_windowed_bool{
15776   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
15777 }
15778 \mix_pdfobj:nnn{}{dict}{
15779   /Activation~<<
15780   /Condition\g_mix_act_tl
15781   \bool_if:nT{
15782     \g_mix_iiid_bool &&
15783     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
15784   }{%seems to work only with 3D content
15785     /Animation~<<
15786     /Subtype/\g_mix_playtpe_tl
15787     /PlayCount~\g_mix_playcnt_tl
15788     /Speed~\g_mix_playspd_tl
15789     >>
15790   }
15791   \bool_if:nT{
15792     \g_mix_iiid_bool && (
15793       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
15794     )
15795   }{/View~\l_mix_dfltview_tl}
15796   /Presentation~<<
15797   /Transparent~\g_mix_transp_tl
15798   \bool_if:NTF\g_mix_opt_windowed_bool{
15799     /Style/Windowed
15800     /Window~<<
15801     /Width~<</Default~\tl_mix_fltd>>
15802     /Height~<</Default~\tl_mix_fltht>>

```



```

15803         /Position~<<
15804         /HOffset~0/VOffset~0
15805         \str_case_e:nnF{\g_mix_winpos_tl}{
15806             {tl}{/VAlign/Near/HAlign/Near}
15807             {cl}{/VAlign/Center/HAlign/Near}
15808             {bl}{/VAlign/Far/HAlign/Near}
15809             {bc}{/VAlign/Far/HAlign/Center}
15810             {br}{/VAlign/Far/HAlign/Far}
15811             {cr}{/VAlign/Center/HAlign/Far}
15812             {tr}{/VAlign/Near/HAlign/Far}
15813             {tc}{/VAlign/Near/HAlign/Center}
15814             }{/HAlign/Center/VAlign/Center}
15815         >>
15816     >>
15817     }{
15818         /Style/Embedded
15819     }
15820     \bool_if:NTF\g_mix_iiid_bool{
15821         /Toolbar~\g_mix_tools_tl
15822         /NavigationPane~\g_mix_nav_tl
15823     }{
15824         /PassContextClick~\g_mix_contextclick_tl
15825     }
15826     >>
15827     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
15828     >>
15829     /Deactivation~<</Condition\g_mix_deact_tl>>
15830 }
15831 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
15832 \tl_if_empty:NF\g_mix_usrlabel_tl{
15833     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
15834 }
15835 % #1:width, #2:height, #3:depth, #4:content (key-value)
15836 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
15837     /Subtype/RichMedia
15838     /F~4
15839     /BS~<</W~0/S/S>>
15840     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
15841     /NM~(\g_mix_label_tl)
15842     /AP~<</N~\g_mix_appearance_tl>>
15843     /RichMediaSettings~\l_mix_settings_tl
15844     /RichMediaContent~\l_mix_content_tl
15845 }
15846 \tl_if_empty:NF\g_mix_usrlabel_tl{
15847     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
15848     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
15849         \noexpand\the\g@mix@page@int}
15850 }
15851 \mix_pdfobj:nnn{}{dict}{
15852     /S/JavaScript/JS~(
15853         try{
15854             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15855             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
15856                 annotRM['\g_mix_label_tl']=

```



```

15857         this.getAnnotRichMedia(this.pageNum, '\g_mix_label_tl');
15858     }
15859     \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
15860         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
15861             var~ocgs=this.getOCGs(this.pageNum);
15862             for(var~i=0;i<ocgs.length;i++){
15863                 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
15864                     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
15865                 }
15866             }
15867         }
15868         if(
15869             !annotRM['\g_mix_label_tl'].activated&&(
15870                 app.viewerType=='Reader' ||
15871                 app.viewerType=='Exchange' ||
15872                 app.viewerType=='Exchange-Pro'
15873             )&&app.viewerVersion>=9
15874         ){
15875             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
15876         }
15877     }
15878 }catch(e){}
15879 this.dirty=false;
15880 )
15881 }
15882 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
15883     /Subtype/Widget
15884     /FT/Btn/Ff~65537/F~2
15885     /BS~<</W~0>>
15886     /T~(fd@\g_mix_label_tl)
15887     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
15888 }
15889 \mix_appendtofields:n{\mix_pdflastann:}
15890 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
15891 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
15892     \hbox_to_wd:nn{\g_mix_wd_tl}{
15893         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
15894     }
15895 }{%insert play button overlay
15896     \mix_insert_btnocg: %create OCG
15897     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
15898     \group_begin:
15899     \cs_if_exist:NT\textdir{\textdir TLT}
15900     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
15901     \box_move_down:nn{\g_mix_dp_tl}{
15902         \hbox_to_wd:nn{\g_mix_wd_tl}{
15903             \vbox_to_ht:nn{\g_mix_tt_tl}{
15904                 \vss
15905                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
15906                 \box_use:N\l_mix_pbtn_box
15907                 \ocgbase_oc_emc:
15908             }
15909         }
15910     }

```




```

15911     \group_end:
15912   }
15913   \int_gincr:N\g_mix_rmcnt_int
15914 }
15915 \mix_endLTR:
15916 \group_end:
15917 }
15918 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
15919 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
15920
15921 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
15922   \mix_uridend:
15923   \group_begin:
15924   \mix_beginLTR:
15925   \mode_leave_vertical:
15926   %reset various variables
15927   \tl_gclear:N\g_mix_overbtn_tl
15928   \tl_gclear:N\g_mix_downbtn_tl
15929   \tl_gclear:N\g_mix_btnactions_tl
15930   \tl_gclear:N\g_mix_tooltip_tl
15931   %process options
15932   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
15933   \mix_uribegin: %treat URI characters correctly
15934   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
15935   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
15936   \mix_uridend:
15937   %normal button appearance
15938   %\hbox_set:Nn\l_mix_poster_box{#2}
15939   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
15940   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
15941   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
15942   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
15943   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
15944     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
15945       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
15946     \mix_pdfxform:n{\l_mix_poster_box}
15947     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
15948     %insert widget annotation
15949     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
15950       /Subtype/Widget
15951       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
15952       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
15953       /FT/Btn/Ff~65536
15954       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
15955       /AP~<<
15956       /N~\g_mix_normalbtn_tl
15957       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
15958       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
15959     >>
15960     /MK~<<
15961     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
15962     /I~\g_mix_normalbtn_tl
15963     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
15964     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}

```



```

15965 >>
15966 /A~<<
15967 /S/JavaScript/JS~(app.focusRect=false;)
15968 %sequence of actions to perform
15969 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
15970 >>
15971 }
15972 \mix_appendtofields:n{\mix_pdflastann:}
15973 \hbox_to_wd:nn{\width}{
15974 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
15975 }
15976 \int_gincr:N\g_mix_mbtncnt_int
15977 }
15978 \mix_endLTR:
15979 \group_end:
15980 }
15981 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
15982 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
15983

```

99 File memoir-xetex-bidi.def

```

15984 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
15985 \renewcommand{\keepthetitle}{%
15986 \@bsmtitleempty
15987 \global\let\thanks\relax
15988 \global\let\LTRthanks\relax
15989 \global\let\RTLthanks\relax
15990 \global\let\and\relax
15991 \global\let\andnext\relax
15992 \global\let\@thanks\@empty
15993 \global\let\@title\@empty
15994 \global\let\@author\@empty
15995 \global\let\@date\@empty}
15996 \renewcommand{\maketitle}{\par
15997 \begingroup
15998 \@bsmarkseries
15999 \def\@makefnmark{\@textsuperscript{%
16000 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
16001 \long\def\@makefntext##1{\makethanksmark ##1}
16002 \if@twocolumn
16003 \ifnum \col@number=\@ne
16004 \@maketitle
16005 \else
16006 \twocolumn[\@maketitle]%
16007 \fi
16008 \else
16009 \ifdim\pagetotal>z@
16010 \newpage
16011 \fi
16012 \global\@topnum\z@
16013 \@maketitle
16014 \fi
16015 \thispagestyle{title}\@thanks

```



```

16016 \endgroup
16017 \@bscontmark % \setcounter{footnote}{0}%
16018 }
16019 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
16020 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
16021 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
16022 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
16023 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
16024 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
16025 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
16026 \renewcommand*{\thesubsection}{%
16027     \thesection\@SepMark\@arabic\c@subsection}
16028 \renewcommand*{\thesubsubsection}{%
16029     \thesubsection\@SepMark\@arabic\c@subsubsection}
16030 \renewcommand*{\theparagraph}{%
16031     \thesubsubsection\@SepMark\@arabic\c@paragraph}
16032 \renewcommand*{\thesubparagraph}{%
16033     \theparagraph\@SepMark\@arabic\c@subparagraph}
16034 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
16035 \renewcommand{\theequation}{%
16036     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16037 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
16038 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
16039 \ifartopt
16040 \chapterstyle{article}
16041 \counterwithout{figure}{chapter}
16042 \counterwithout{table}{chapter}
16043 \counterwithout{footnote}{chapter}
16044 \counterwithout{equation}{chapter}
16045 \renewcommand{\chaptername}{}
16046 \renewcommand{\maketitlehookb}{%
16047     \vskip -1.5\topsep\vskip -1.5\partopsep}
16048 \renewcommand{\maketitlehookc}{%
16049     \vskip -1.5\topsep\vskip -1.5\partopsep}
16050 \fi
16051 \long\def\@makecaption#1#2{\let\@memtempa\relax
16052 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
16053 \else \def\@memtempa{\vbox to\topskip{}}\fi
16054 \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
16055 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
16056 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
16057 \let\footnote\@contfnote
16058 \let\footnotemark\@contfmark
16059 \ifdim\wd\@tempboxa<\linewidth \centering \fi
16060 \if@contcw
16061 \centering
16062 \parbox{\@contcwidth}{%
16063 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
16064 \fi
16065 \ifdim\wd\@tempboxa<\linewidth
16066 \@contpre
16067 {\@contnfont #1\@contdelim}\@memtempa
16068 {\@contcshortstyle \@conttfont #2\@contfinal}\par}
16069 \else

```



```

16070 \if@conthang
16071 \sbox\@tempboxa{\@contnfont #1\@contdelim}
16072 \@contpre%
16073 {\@contcstyle\hangindent=\wd\@tempboxa
16074 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
16075 \else
16076 \if@contindent
16077 \@contpre%
16078 {\@contnfont #1\@contdelim}\@memtempa
16079 {\@contcstyle\hangindent=\@contindw
16080 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
16081 \else
16082 \@contpre%
16083 {\@contnfont #1\@contdelim}\@memtempa
16084 {\@contcstyle \@conttfont #2\@contfinal\par}
16085 \fi
16086 \fi
16087 \fi
16088 \@contpost
16089 \if@contcw
16090 \par
16091 } % end of the \parbox
16092 \fi
16093 \vskip\belowcaptionskip}
16094 \@ifpackageloaded{caption}{%
16095 \AtBeginPackage{caption}{
16096 \ClassWarningNoLine{memoir}{%
16097 You are using the caption package with the memoir \MessageBreak
16098 class. This may cause unexpected or inconsistent \MessageBreak
16099 results if you use any of memoir's captioning facilities}
16100
16101 \long\def\@makecaption##1##2{%
16102 \vskip\abovecaptionskip
16103 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
16104 \ifdim \wd\@tempboxa >\hsize
16105 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
16106 \else
16107 \global \@minipagefalse
16108 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
16109 \fi
16110 \vskip\belowcaptionskip}
16111
16112 \def\caption{%
16113 \ifx\@captive@undefined
16114 \@latexerror{\noexpand\caption outside float}\@ehd
16115 \expandafter\@gobble
16116 \else
16117 \refstepcounter\@captive
16118 \expandafter\@firstofone
16119 \fi
16120 {\@dblarg{\@caption\@captive}}%
16121 }
16122
16123 \long\def\@caption##1[##2]##3{%

```



```

16124 \par
16125 \addcontentsline{\csname ext###1\endcsname}{##1}%
16126 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
16127 \beginngroup
16128 \@parboxrestore
16129 \if@minipage
16130 \setminipage
16131 \fi
16132 \normalsize
16133 \makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
16134 \endgroup}
16135 }}{}
16136 \renewenvironment{thebibliography}[1]{%
16137 \bibsection
16138 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16139 \bidi@thebibliography@font@hook%
16140 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

100 File midfloat-xetex-bidi.def

```

16141 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
16142 \def\RTL@outputdblcol{%
16143 \if@firstcolumn
16144 \global\@firstcolumnfalse
16145 \global\setbox\@leftcolumn\copy\@outputbox
16146 \splitmaxdepth\maxdimen
16147 \vbadness\maxdimen
16148 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16149 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16150 \toks@\expandafter{\topmark}%
16151 \xdef\@firstcoltopmark{\the\toks@}%
16152 \toks@\expandafter{\splitfirstmark}%
16153 \xdef\@firstcolfirstmark{\the\toks@}%
16154 \ifx\@firstcolfirstmark\@empty
16155 \global\let\@setmarks\relax
16156 \else
16157 \gdef\@setmarks{%
16158 \let\firstmark\@firstcolfirstmark
16159 \let\topmark\@firstcoltopmark}%
16160 \fi
16161 \global\c@colht\@colht\global\c@addvipersep\z@
16162 \ifnum\jua@sk>0
16163 \remove@strip\jua@sar
16164 \global\@colht\the\jua@pr
16165 \ifdim\right@cor>\z@
16166 \global\advance\@colht by\right@cor
16167 \fi
16168 \global\advance\@colht by\cor@height
16169 \global\cor@height=0pt
16170 \fi
16171 \global\setbox\@rightcolumn\vbox{}%
16172 \else
16173 \ifdim\c@colht>\@colht
16174 \@tempdima\@colht

```



```

16175         \ifdim\@colht>\z@
16176         \global\setbox\@rightcolumn \vbox{%
16177             \unvbox\@rightcolumn
16178             \vbox to\@tempdima{%
16179                 \vskip\c@addvipersep\unvbox\@outputbox}%
16180             \vskip\stripsep
16181             \vrule height\the\jua@ht width 0pt depth 0pt
16182             \vskip\stripsep
16183             }%
16184         \global\c@addvipersep\m@addvipersep
16185     \else
16186     \global\setbox\@rightcolumn \vbox{%
16187         \unvbox\@rightcolumn
16188         \vrule height\the\jua@ht width 0pt depth 0pt
16189         \vskip\stripsep
16190         }%
16191     \fi
16192     \ifnum\jua@sk>0
16193         \remove@strip\jua@sar
16194         \global\@colht\the\jua@pr
16195         \global\advance\@colht by -\ht\@rightcolumn
16196         \global\advance\@colht by \cor@height
16197         \global\cor@height=0pt
16198     \else
16199         \global\advance\c@colht by-\ht\@rightcolumn
16200         \global\@colht\c@colht
16201     \fi
16202 \else
16203 \global\@firstcolumntrue
16204 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
16205     \unvbox\@rightcolumn
16206     \vskip\c@addvipersep
16207     \unvbox\@outputbox
16208     }%
16209 \setbox\@outputbox \vbox {%
16210     \hb@xt@\textwidth {%
16211         \hskip \columnwidth
16212         \hfil
16213         \vrule \@width\columnseprule
16214         \hfil
16215         \hb@xt@\columnwidth {%
16216             \bidi@firstcolumn@status@write%
16217             \box\@leftcolumn \hss}%
16218         \hskip-\textwidth
16219         \hb@xt@\columnwidth {%
16220             \bidi@lastcolumn@status@write%
16221             \box\@outputbox \hss}%
16222         \hskip\columnwidth
16223         \hskip\columnsep}%
16224     }%
16225 \@combinedblfloats
16226 \@setmarks
16227 \@outputpage
16228 \begingroup

```



```

16229 \@dblfloatplacement
16230 \@startdblcolumn
16231 \@whiles\if@fcolmade \fi
16232 {\@outputpage
16233 \@startdblcolumn}%
16234 \endgroup
16235 \global\jua@sk=0\global\jua@sar={}
16236 \global\cor@height\z@\global\c@advipersep\z@
16237 \fi
16238 \fi
16239 }
16240
16241
16242 \def\LTR@outputdblcol{%
16243 \if@firstcolumn
16244 \global \@firstcolumnfalse
16245 \global\setbox\@leftcolumn\copy\@outputbox
16246 \splitmaxdepth\maxdimen
16247 \vbadness\maxdimen
16248 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16249 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16250 \toks@{\expandafter{\topmark}}%
16251 \xdef\@firstcoltopmark{\the\toks@}%
16252 \toks@{\expandafter{\splitfirstmark}}%
16253 \xdef\@firstcolfirstmark{\the\toks@}%
16254 \ifx\@firstcolfirstmark\@empty
16255 \global\let\@setmarks\relax
16256 \else
16257 \gdef\@setmarks{%
16258 \let\firstmark\@firstcolfirstmark
16259 \let\topmark\@firstcoltopmark}%
16260 \fi
16261 \global\c@colht\@colht\global\c@advipersep\z@
16262 \ifnum\jua@sk>0
16263 \remove@strip\jua@sar
16264 \global\@colht\the\jua@pr
16265 \ifdim\right@cor>\z@
16266 \global\advance\@colht by\right@cor
16267 \fi
16268 \global\advance\@colht by\cor@height
16269 \global\cor@height=0pt
16270 \fi
16271 \global \setbox\@rightcolumn \vbox{%
16272 \else
16273 \ifdim\c@colht>\@colht
16274 \@tempdima\@colht
16275 \ifdim\@colht>\z@
16276 \global\setbox\@rightcolumn \vbox{%
16277 \unvbox\@rightcolumn
16278 \vbox to\@tempdima{%
16279 \vskip\c@advipersep\unvbox\@outputbox}%
16280 \vskip\stripsep
16281 \vrule height\the\jua@ht width 0pt depth 0pt
16282 \vskip\stripsep

```



```

16283             }%
16284         \global\c@advipersep\m@advipersep
16285     \else
16286         \global\setbox\@rightcolumn \vbox{%
16287             \unvbox\@rightcolumn
16288             \vrule height\the\jua@ht width 0pt depth 0pt
16289             \vskip\stripsep
16290         }%
16291     \fi
16292     \ifnum\jua@sk>0
16293         \remove@strip\jua@sar
16294         \global\@colht\the\jua@pr
16295         \global\advance\@colht by -\ht\@rightcolumn
16296         \global\advance\@colht by \cor@height
16297         \global\cor@height=0pt
16298     \else
16299         \global\advance\c@colht by -\ht\@rightcolumn
16300         \global\@colht\c@colht
16301     \fi
16302 \else
16303     \global\@firstcolumntrue
16304     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
16305         \unvbox\@rightcolumn
16306         \vskip\c@advipersep
16307         \unvbox\@outputbox
16308     }%
16309     \setbox\@outputbox \vbox {%
16310         \hb@xt@\textwidth {%
16311             \hb@xt@\columnwidth {%
16312                 \bidi@firstcolumn@status@write%
16313                 \box\@leftcolumn \hss}%
16314             \hfil
16315             \vrule \@width\columnseprule
16316             \hfil
16317             \hb@xt@\columnwidth {%
16318                 \bidi@lastcolumn@status@write%
16319                 \box\@outputbox \hss}%
16320             }%
16321         }%
16322     \@combinedblfloats
16323     \@setmarks
16324     \@outputpage
16325     \begingroup
16326         \@dblfloatplacement
16327         \@startdblcolumn
16328         \@whiles\if@fcolmade \fi
16329         {\@outputpage
16330          \startdblcolumn}%
16331     \endgroup
16332     \global\jua@sk=0\global\jua@sar={}
16333     \global\cor@height\z@\global\c@advipersep\z@
16334 \fi
16335 \fi
16336 }

```




```

16337
16338
16339 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
16340   \global \setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
16341   \hsize\textwidth
16342   \@parboxrestore
16343   \col@number \@ne
16344   \vrule height\topskip width0pt depth0pt
16345 }
16346
16347 \def\endstrip{%
16348   \egroup\egroup
16349   \if@firstcolumn
16350     \ifdim\pagetotal>\z@
16351       \vskip\stripsep
16352       \global\ht@strip\pagegoal
16353       \global\advance\ht@strip by-\pagetotal
16354       \global\advance\ht@strip by-\stripsep
16355       \global\advance\ht@strip by-\ht\@viper
16356       \global\advance\ht@strip by-\stripsep
16357       \global\jua@ht=\ht\@viper
16358     \else
16359       \global\ht@strip\z@
16360     \fi
16361     \ifdim\ht@strip>\z@
16362       \unvbox\@viper
16363       \vskip\stripsep
16364       \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
16365       \global\advance\jua@sk by1
16366     \else
16367       \@latex@error{Strip needs more place!}\@ehc
16368       \if@vihproof
16369         \framebox[\columnwidth]{??? Strip ???}%
16370       \fi
16371     \fi
16372   \else
16373     \@latex@error{Strip is used only on left column!}\@ehc
16374     \if@vihproof
16375       \framebox[\columnwidth]{??? Strip ???}%
16376     \fi
16377   \fi
16378 }

```

101 File minitoc-xetex-bidi.def

```

16379 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
16380 \def\@undottedtocline#1#2#3#4#5{%
16381   \ifnum #1>\c@tocdepth\relax \else
16382     \vskip \z@ plus.2\p@
16383     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16384     \parindent #2\relax\@afterindenttrue
16385     \interlinepenalty\@M
16386     \leavevmode
16387     \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}}%

```



```

16388 \hskip -\if@RTL\rightskip\else\leftskip\fi
16389 #4\nobreak\hfill\nobreak
16390 \null\par}%
16391 \fi}
16392 \def\@Undottedtocline#1#2#3#4#5{%
16393 \ifnum #1>\c@tocdepth\relax\else
16394 \vskip \z@ \@plus.2\p@
16395 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
16396 \parindent #2\relax\@afterindenttrue
16397 \interlinepenalty\@M
16398 \leavevmode
16399 \@tempdima #3\relax
16400 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
16401 {\coffefont #4}\nobreak\nobreak\null
16402 \par}%
16403 \fi}
16404 \def\@Undottedtoclinep#1#2#3#4#5{%
16405 \ifnum #1>\c@tocdepth\relax\else
16406 \vskip \z@ \@plus.2\p@
16407 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
16408 \parindent #2\relax\@afterindenttrue
16409 \interlinepenalty\@M
16410 \leavevmode
16411 \@tempdima #3\relax
16412 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
16413 {#4}\nobreak\hfill\nobreak\null
16414 \hbext@\@pnumwidth{\hfil\normalfont\normalcolor #5}}%
16415 \par}%
16416 \fi}

```

102 File multicol-xetex-bidi.def

```

16417 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package]
16418 \def\page@sofar{%
16419 \process@cols\mult@rightbox
16420 {\ifvoid\count@
16421 \setbox\count@\hbox to\hsize{}}%
16422 \else
16423 \wd\count@\hsize
16424 \fi}%
16425 \count@\col@number \advance\count@\m@ne
16426 \mult@info\z@
16427 {Column spec: \the\full@width\space = indent
16428 + columns + sep =\MessageBreak
16429 \the\multicol@leftmargin\space
16430 + \the\col@number\space
16431 x \the\hsize\space
16432 + \the\count@\space
16433 x \the\columnsep
16434 }%
16435 \ifvmode\else\errmessage{Multicol Error}\fi
16436 \nointerlineskip
16437 \setbox\z@\hbox{\global\dimen\tw@\dp\z@
16438 \moveright\multicol@leftmargin

```



```

16439 \hbox to\full@width{%
16440 \bidi@multicol@align@columns
16441 \rlap{\phantom p}%
16442 }%
16443 \prevdepth\z@
16444 \kern-\dimen\tw@
16445 \ifdim\dimen\tw@ > \mc@gridwarn
16446 \PackageWarning{multicol}%
16447 {Very deep columns!\MessageBreak
16448 Grid alignment might be broken}%
16449 \fi
16450 }
16451 \def\LTR@column@boxes{%
16452 \process@cols\mult@firstbox{%
16453 \ifdim\dp\count@>\dimen\tw@
16454 \global\dimen\tw@\dp\count@ \fi
16455 \mc@col@status@write
16456 \box\count@
16457 \hss{\columnseprulecolor\vrule
16458 \@width\columnseprule}\hss}%
16459 \ifdim\dp\mult@rightbox>\dimen\tw@
16460 \global\dimen\tw@\dp\mult@rightbox \fi
16461 \mc@lastcol@status@write
16462 \box\mult@rightbox
16463 }
16464
16465 \def\RTL@column@boxes{%
16466 \process@cols\mult@firstbox{%
16467 \hskip\hsize
16468 \hss{\columnseprulecolor\vrule
16469 \@width\columnseprule}\hss
16470 }%
16471 \hskip\hsize
16472 \process@cols\mult@firstbox{%
16473 \ifdim\dp\count@>\dimen\tw@
16474 \global\dimen\tw@\dp\count@ \fi
16475 \hskip-\hsize
16476 \mc@col@status@write
16477 \box\count@
16478 \hskip-\hsize
16479 \hskip-\columnsep
16480 }%
16481 \ifdim\dp\mult@rightbox>\dimen\tw@
16482 \global\dimen\tw@\dp\mult@rightbox \fi
16483 \hskip-\hsize
16484 \mc@lastcol@status@write
16485 \box\mult@rightbox
16486 \hskip-\hsize
16487 \hskip\full@width
16488 }
16489
16490 \newcommand\RTLMulticolcolumns
16491 {\let\bidi@multicol@align@columns
16492 \RTL@column@boxes}

```



```

16493 \newcommand\LTRmulticolcolumns
16494     {\let\bidimulticol@align@columns
16495       \LTR@column@boxes}
16496 \newcommand\bidimulticol@align@columns
16497     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
16498 \bidimulticol@AtEndPreamble{%
16499   \if@bidimulticol@csdef{footinsv@l}{%
16500     \def\footnoterule{\kern-3\p@
16501       \hrule \@width \textwidth \kern 2.6\p@}%
16502   }{}%
16503 }
16504 \def\multicols#1{\col@number#1\relax
16505   \ifnum\col@number<\tw@
16506     \PackageWarning{multicol}%
16507       {Using '\number\col@number'
16508         columns doesn't seem a good idea.^^J
16509         I therefore use two columns instead}%
16510     \col@number\tw@ \fi
16511   \ifnum\col@number>20
16512     \PackageError{multicol}%
16513       {Too many columns}%
16514     {Current implementation doesn't
16515       support more than 20 columns.%
16516       \MessageBreak
16517       I therefore use 20 columns instead}%
16518   \col@number20 \fi
16519   \ifx\@footnotetext\mult@footnotetext
16520   \else
16521     \let\orig@footnotetext\@footnotetext
16522     \let\@footnotetext\mult@footnotetext
16523   \fi
16524   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
16525   \else
16526     \let\orig@LTRfootnotetext\@LTRfootnotetext
16527     \let\@LTRfootnotetext\mult@LTRfootnotetext
16528   \fi
16529   \ifx\@RTLfootnotetext\mult@RTLfootnotetext
16530   \else
16531     \let\orig@RTLfootnotetext\@RTLfootnotetext
16532     \let\@RTLfootnotetext\mult@RTLfootnotetext
16533   \fi
16534   \ifnextchar[\mult@cols{\mult@cols[]}}
16535 \long\def\mult@footnotetext#1{\begingroup
16536   \hsize\textwidth
16537   \columnwidth\textwidth
16538   \orig@footnotetext{#1}\endgroup}
16539 \long\def\mult@LTRfootnotetext#1{\begingroup
16540   \hsize\textwidth
16541   \columnwidth\textwidth
16542   \orig@LTRfootnotetext{#1}\endgroup}
16543 \long\def\mult@RTLfootnotetext#1{\begingroup
16544   \hsize\textwidth
16545   \columnwidth\textwidth
16546   \orig@RTLfootnotetext{#1}\endgroup}

```



```

16547 \def\right@footnoterule{%
16548   \kern-3\p@
16549   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
16550   \kern2.6\p@}
16551 \def\textwidth@footnoterule{\kern-3\p@
16552   \hrule \@width \textwidth \kern 2.6\p@}
16553 \def\bidileave@mult@copyins{%
16554   \advance\dimen@-\skip\@bidi@copyins@
16555   \advance\dimen@-\ht\@bidi@copyins@
16556 }
16557 \bidi@AtEndPreamble{%
16558   \if@bidi@csdef{footinsv@l}{%
16559     \def\bidileave@mult@footinsv@r{%
16560       \advance\dimen@-\skip\footinsv@r
16561       \advance\dimen@-\ht\footinsv@r
16562     }%
16563     \def\bidileave@mult@footinsv@l{%
16564       \advance\dimen@-\skip\footinsv@l
16565       \advance\dimen@-\ht\footinsv@l
16566     }%
16567     \def\bidii@init@mult@footinsv@r{%
16568       \multiply\count\footinsv@r\col@number
16569       \multiply\skip \footinsv@r\col@number
16570     }%
16571     \def\bidii@init@mult@footinsv@l{%
16572       \multiply\count\footinsv@l\col@number
16573       \multiply\skip \footinsv@l\col@number
16574     }%
16575     \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
16576       \insert\footinsv@r{}\fi}%
16577     \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
16578       \insert\footinsv@l{}\fi}%
16579     \bidi@patchcmd{\prepare@multicols}{%
16580       \reinsert@footnotes
16581     }{%
16582       \reinsert@footnotes
16583       \bidi@init@mult@footinsv@r
16584       \bidireinsert@footnotesv@r
16585       \bidi@init@mult@footinsv@l
16586       \bidireinsert@footnotesv@l
16587     }{}{}%
16588     \bidi@patchcmd{\multi@column@out}{%
16589       \ifnum \c@tracingmulticols>\thr@@
16590     }{%
16591       \ifvoid\footinsv@r
16592       \ifvoid\footinsv@l
16593       \else
16594         \PackageWarning{multicol}%
16595           {I moved some lines to
16596            the next page.\MessageBreak
16597            Footnotes on page
16598            \thepage\space might be wrong}%
16599       \fi
16600     }%

```



```

16601         \PackageWarning{multicol}%
16602         {I moved some lines to
16603         the next page.\MessageBreak
16604         Footnotes on page
16605         \thepage\space might be wrong}%
16606     \fi
16607     \ifnum \c@tracingmulticols>\thr@@
16608 }{}{}%
16609 \bidi@patchcmd{\endmulticols}{%
16610   \reinsert@footnotes
16611 }{}{}%
16612   \reinsert@footnotes
16613   \bidi@reinsert@footnotesv@r
16614   \bidi@reinsert@footnotesv@l
16615 }{}{}%
16616 \bidi@patchcmd{\speci@ls}{%
16617   \reinsert@footnotes
16618 }{}{}%
16619   \reinsert@footnotes
16620   \bidi@reinsert@footnotesv@r
16621   \bidi@reinsert@footnotesv@l
16622 }{}{}%
16623 \bidi@patchcmd{\speci@ls}{%
16624   \reinsert@footnotes
16625 }{}{}%
16626   \reinsert@footnotes
16627   \bidi@reinsert@footnotesv@r
16628   \bidi@reinsert@footnotesv@l
16629 }{}{}%
16630 }{}{}%
16631 \bidi@patchcmd{\multi@column@out}{%
16632   \ifvbox \@kludgeins
16633 }{}{}%
16634   \if@bidi@csdef{footinsv@l}{%
16635     \divide\skip\footinsv@r\col@number
16636     \ifvoid\footinsv@r \else
16637       \bidi@leave@mult@footins@vr
16638     \fi
16639     \divide\skip\footinsv@l\col@number
16640     \ifvoid\footinsv@l \else
16641       \bidi@leave@mult@footins@vl
16642     \fi
16643   }{}{}%
16644   \ifvoid\@bidi@copyins@ \else
16645     \bidi@leave@mult@copyins
16646   \fi
16647   \ifvbox \@kludgeins
16648 }{}{}%
16649 }

```

103 File multienum-xetex-bidi.def

```

16650 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
16651 \renewcommand{\itemx}[1]{\parbox[t]{%

```



```

16652 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16653 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
16654 \renewcommand{\itemxxx}[2]{\parbox[t]%
16655 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16656 \parbox[t]{.5\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
16657 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16658 \parbox[t]{0.5\remainxxx}{\bidi@raggedright #2}\smallskip}
16659 \renewcommand{\itemxxxx}[3]{\parbox[t]%
16660 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16661 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
16662 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16663 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
16664 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
16665 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
16666 \renewcommand{\itemxxxxx}[4]{\parbox[t]%
16667 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16668 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
16669 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16670 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16671 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16672 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
16673 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16674 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
16675 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
16676 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16677 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
16678 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16679 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
16680 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16681 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
16682 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16683 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
16684 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16685 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
16686 \renewcommand{\itemxox}[2]{\parbox[t]%
16687 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16688 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
16689 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16690 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
16691 \renewcommand{\itemxox}[2]{\parbox[t]%
16692 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16693 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
16694 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16695 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
16696 \renewcommand{\itemxox}[3]{\parbox[t]%
16697 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16698 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
16699 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16700 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16701 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16702 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
16703 \renewcommand{\itemxox}[3]{\parbox[t]%
16704 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16705 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%

```



```

16706 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16707 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
16708 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16709 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
16710 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
16711 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16712 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
16713 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16714 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
16715 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
16716 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

104 File natbib-xetex-bidi.def

```

16717 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
16718 \renewenvironment{thebibliography}[1]{%
16719 \bibsection
16720 \parindent\z@
16721 \bibpreamble
16722 \bibfont
16723 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16724 \bidi@@thebibliography@font@hook%
16725 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
16726 \ifNAT@openbib
16727 \renewcommand\newblock{\par}%
16728 \else
16729 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
16730 \fi
16731 \sloppy\clubpenalty4000\widowpenalty4000
16732 \sfcode`\.\@m
16733 \let\NAT@bibitem@first@sw\@firstoftwo
16734 \let\citeN\cite \let\shortcite\cite
16735 \let\citeasnoun\cite
16736 }{%
16737 \bibitem@fin
16738 \bibpostamble
16739 \def\@noitemerr{%
16740 \PackageWarning{natbib}{Empty `thebibliography' environment}%
16741 }%
16742 \endlist
16743 \bibcleanup
16744 }%

```

105 File newfloat-xetex-bidi.def

```

16745 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package
16746 \renewcommand*\newfloat@setwithin[2]{%
16747 \ifcsname c@chapter\endcsname
16748 \@removefromreset{#1}{chapter}%
16749 \fi
16750 \@removefromreset{#1}{section}%
16751 \edef\@tempa{#2}%
16752 \ifx\@tempa\@empty
16753 \def\@tempa{none}%

```




```

16754 \fi
16755 \def\@tempb{none}%
16756 \ifx\@tempa\@tempb
16757   \ifcsname c@chapter\endcsname
16758     \@chapterlistsgap@off{#1}%
16759   \fi
16760   \newfloat@@setwithin{#1}{}{}%
16761 \else
16762   \def\@tempb{chapter}%
16763   \ifx\@tempa\@tempb
16764     \@addtoreset{#1}{chapter}%
16765     \@chapterlistsgap@on{#1}%
16766     \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
16767   \else
16768     \def\@tempb{section}%
16769     \ifx\@tempa\@tempb
16770       \@addtoreset{#1}{section}%
16771       \ifcsname c@chapter\endcsname
16772         \@addtoreset{#1}{chapter}%
16773         \@chapterlistsgap@on{#1}%
16774         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
16775       \else
16776         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
16777       \fi
16778     \else
16779       \newfloat@Error{Invalid value `#2' for option `within'}%
16780     \fi
16781   \fi
16782 \fi}

```

106 File ntheorem-xetex-bidi.def

```

16783 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
16784 \gdef\@thm#1#2#3{%
16785   \if@thmmarks
16786     \stepcounter{end\InTheoType ctr}%
16787   \fi
16788   \renewcommand{\InTheoType}{#1}%
16789   \if@thmmarks
16790     \stepcounter{curr#1ctr}%
16791     \setcounter{end#1ctr}{0}%
16792   \fi
16793   \refstepcounter{#2}%
16794   \theorem@prework
16795   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
16796   \ifvmode \advance\thm@topsepadd\partopsep\fi
16797   \trivlist
16798   \@topsep \theorempreskipamount
16799   \@topsepadd \thm@topsepadd % used by \@endparenv
16800   \advance\linewidth -\theorem@indent
16801   \advance\@totalleftmargin \theorem@indent
16802   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
16803   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```



107 File ntheorem-hyper-xetex-bidi.def

```

16804 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h
16805 \gdef\@thm#1#2#3{%
16806   \if@thmmarks
16807     \stepcounter{end\InTheoType ctr}%
16808   \fi
16809   \renewcommand{\InTheoType}{#1}%
16810   \if@thmmarks
16811     \stepcounter{curr#1ctr}%
16812     \setcounter{end#1ctr}{0}%
16813   \fi
16814   \refstepcounter{#2}%
16815   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
16816   \ifvmode \advance\thm@topsepadd\partopsep\fi
16817   \trivlist
16818   \@topsep \theorempreskipamount
16819   \@topsepadd \thm@topsepadd % used by \@endparenv
16820   \advance\linewidth -\theorem@indent
16821   \advance\@totalleftmargin \theorem@indent
16822   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
16823   \ifnextchar [\@ythm{#1}{#2}{#3}]{\@xthm{#1}{#2}{#3}}

```

108 File overpic-xetex-bidi.def

```

16824 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
16825 \renewenvironment{overpic}[2] []{%
16826   \sbox{\z@}{\includegraphics[#1]{#2}}%
16827   \settodepth{\@tempcnta}{\usebox{\z@}}%
16828   \settoheight{\@tempcntb}{\usebox{\z@}}%
16829   \advance\@tempcntb\@tempcnta%
16830   \settowidth{\@tempcnta}{\usebox{\z@}}%
16831   \setlength{\@tempdima}{\unitlength}%
16832   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
16833 %
16834 \OVP@calc%
16835 %
16836 \begin{picture}(\@tempcnta,\@tempcntb)%
16837   \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
16838   \ifGin@grid%
16839     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
16840       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
16841   \fi\fi%
16842   % reset the graphics parameter
16843   \let\Gin@outer@scalex\relax
16844   \let\Gin@outer@scaley\relax
16845   \let\Gin@angle\relax
16846   \let\Gin@ewidth\Gin@exclamation
16847   \let\Gin@eheight\Gin@ewidth
16848   \def\Gin@scalex{1}
16849   \let\Gin@scaley\Gin@exclamation
16850 }{%
16851   \ifRTL\ifGin@grid%
16852     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%

```



```

16853      \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
16854      \fi%
16855      \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
16856      \end{picture}%
16857 }%

```

109 File pdfbase-xetex-bidi.def

```

16858 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
16859 \ExplSyntaxOn
16860 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
16861 \cs_set_nopar:Npn\@outputpage{
16862   \int_gincr:N\g_pbs_page_int
16863   \box_if_vertical:cTF{\outputbox}{
16864     \bool_set_true:N\l_pbs_is_vertical_bool
16865   }{
16866     \bool_set_false:N\l_pbs_is_vertical_bool
16867   }
16868   \hbox_set:Nn\@outputbox{
16869     %begin of page
16870     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
16871     \box_use_drop:N\@outputbox
16872     %end of page
16873     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
16874   }
16875   \bool_if:NT\l_pbs_is_vertical_bool{
16876     \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
16877   }
16878   \pbs_outputpage_orig:
16879 }
16880 \ExplSyntaxOff

```

110 File pdfscape-xetex-bidi.def

```

16881 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
16882 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
16883   \ifRTL
16884     \PLS@Rotate{-90}%
16885   \else
16886     \PLS@Rotate{90}%
16887   \fi
16888 }{}{}

```

111 File pdfpages-xetex-bidi.def

```

16889 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package
16890 \renewcommand*{\includepdf}[2][{}]{%
16891   \begingroup
16892   \@RTLfalse
16893   \let\AM@threadname\relax
16894   \AM@split@options{pdfpages}{#1}%
16895   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
16896   \expandafter\setkeys\AM@temp
16897   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%

```



```

16898 \let\AM@currentdocname\relax
16899 \renewcommand\includegraphics[2][]{Survey in draft-mode}%
16900 \def\AM@pagecount{0}%
16901 }{%
16902 \AM@findfile{#2}%
16903 \if\AM@threadname\relax
16904 \def\AM@threadname{\AM@currentdocname}%
16905 \fi
16906 }%
16907 \ifAM@survey
16908 \def\AM@pagestemp{}%
16909 \@tempcnta=0
16910 \def\foo{%
16911 \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
16912 {\let\foo\relax}
16913 {\expandafter\ifx\expandafter\\AM@pagestemp\\
16914 \edef\AM@pagestemp{%
16915 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
16916 \else
16917 \edef\AM@pagestemp{\AM@pagestemp,%
16918 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
16919 \fi
16920 \advance\@tempcnta 1\relax
16921 }%
16922 \foo
16923 }%
16924 \foo
16925 \expandafter\ifx\expandafter\\AM@pagestemp\\
16926 \def\AM@pagestemp{1}%
16927 \fi
16928 \fi
16929 \ifAM@output
16930 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
16931 \AM@output{#1}%
16932 \fi
16933 \AM@CheckAtEnd
16934 \endgroup
16935 \AM@ClearShipoutPicture
16936 }

```

112 File pgfcorescopes.code-xetex-bidi.def

```

16937 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
16938 \def\pgfpicture{%
16939 \begingroup%
16940 \ifmmode\else\@RTLfalse\beginL\fi%
16941 \pgfpicturetrue%
16942 \global\advance\pgf@picture@serial@count by1\relax%
16943 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
16944 \let\pgf@nodecallback=\pgfutil@gobble%
16945 \pgf@picmaxx=-16000pt\relax%
16946 \pgf@picminx=16000pt\relax%
16947 \pgf@picmaxy=-16000pt\relax%
16948 \pgf@picminy=16000pt\relax%

```



```

16949 \pgf@relevantforpicturesizetrue%
16950 \pgf@resetpathsizes%
16951 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
16952 \def\endpgfpicture{%
16953 \ifpgfrememberpicturepositiononpage%
16954 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}}%
16955 \fi%
16956 % ok, now let's position the box
16957 \ifdim\pgf@picmaxx=-16000pt\relax%
16958 % empty picture. make size 0.
16959 \global\pgf@picmaxx=0pt\relax%
16960 \global\pgf@picminx=0pt\relax%
16961 \global\pgf@picmaxy=0pt\relax%
16962 \global\pgf@picminy=0pt\relax%
16963 \fi%
16964 % Shift baseline outside:
16965 \pgf@relevantforpicturesizefalse%
16966 \pgf@process{\pgf@baseline}%
16967 \xdef\pgf@shift@baseline{\the\pgf@y}%
16968 %
16969 \pgf@process{\pgf@trimleft}%
16970 \global\advance\pgf@x by-\pgf@picminx
16971 % prepare \hskip\pgf@trimleft@final.
16972 % note that \pgf@trimleft@final is also queried
16973 % by the pgf image externalization.
16974 \xdef\pgf@trimleft@final{-\the\pgf@x}%
16975 %
16976 \pgf@process{\pgf@trimright}%
16977 \global\advance\pgf@x by-\pgf@picmaxx
16978 % prepare \hskip\pgf@trimright@final.
16979 % note that \pgf@trimright@final is also queried
16980 % by the pgf image externalization.
16981 \xdef\pgf@trimright@final{\the\pgf@x}%
16982 %
16983 \pgf@remember@layerlist@globally
16984 \endgroup%
16985 \hss%
16986 \egroup%
16987 \pgf@restore@layerlist@from@global
16988 \pgf@insertlayers%
16989 \endgroup%
16990 \pgfsys@discardpath%
16991 \endgroup%
16992 \pgfsys@endscope%
16993 \pgfsys@endpicture%
16994 \endgroup%
16995 \hss
16996 \egroup%
16997 \pgfsys@typesetpicturebox\pgfpic%
16998 \ifmmode\else\endL\fi%
16999 \endgroup%
17000 }

```



113 File pgfsys.code-xetex-bidi.def

```
17001 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
17002 \def\pgfsys@shadingoutsidepgfpicture#1{%
17003   \beginL#1\endL%
17004 }
17005
17006
```

114 File picinpar-xetex-bidi.def

```
17007 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
17008 \long\def\@makewincaption#1#2{%
17009   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
17010   \ifdim\wd\@tempboxa>\picwd
17011     {\footnotesize{\bf #1:\enspace}{#2\par}}
17012   \else
17013     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
17014   \fi}
17015 \def\endwindow{%
17016   \global\tcd=\tcdsav
17017   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
17018   \vbadness=10000
17019   \splittopskip=0pt
17020 %
17021 % Typeset the lines above the window
17022 %
17023 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
17024 \tcn=\tcd
17025 \loop\advance\tcn -1
17026 \setbox\fslice=\vsplit\holder to\baselineskip
17027 \prune\fslice\linewidth
17028 \topheight=0pt
17029 \ifnum\dp\fslice>\dp\wstrutbox
17030   \advance\topheight-\dp\fslice
17031   \advance\topheight\dp\wstrutbox
17032   \advance\topheight\ilg\fi
17033 \hbox to\linewidth{\box\fslice}
17034 \vskip-\topheight
17035 \ifdim\ht\holder>0pt\repeat
17036 \fi
17037 %
17038 % Now we build the boxes beside the window
17039 %
17040 \global\topheight=\tcl\baselineskip
17041 \ifnum\cumpartcl>0\global\tcl=\cumtcl
17042   \global\topheight=\vpic
17043 \fi
17044 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
17045 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
17046 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
17047 \tcn=\tcl \na=0 \nb=0
17048 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
17049 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
```



```

17050 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
17051 \ifnum\na=0\ifnum\nb=0
17052     \setbox\waslice=\vbox to\vpic{\vss}
17053     \setbox\wbslice=\vbox to\vpic{\vss}
17054     \bl=1\br=1
17055     \vskip\ilg
17056 \fi\fi
17057 %
17058 % both sides
17059 %
17060 \ifnum\na>0 \ifnum\nb>0
17061 \loop\advance\nb -1
17062 \advance\na -1
17063 \if@RTL%
17064 \setbox\bslice=\vsplit\holder to\baselineskip
17065 \prune\bslice\rtside
17066 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17067 to\rtside{\box\bslice\hfil}}
17068 \setbox\aslice=\vsplit\holder to\baselineskip
17069 \prune\aslice\lftside
17070 \setbox\waslice=\vbox{\unvbox\waslice\hbox
17071 to\lftside{\box\aslice\hfil}}
17072 \else%
17073 \setbox\aslice=\vsplit\holder to\baselineskip
17074 \prune\aslice\lftside
17075 \setbox\waslice=\vbox{\unvbox\waslice\hbox
17076 to\lftside{\box\aslice\hfil}}
17077 \setbox\bslice=\vsplit\holder to\baselineskip
17078 \prune\bslice\rtside
17079 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17080 to\rtside{\box\bslice\hfil}}
17081 \fi%
17082 \ifnum\nb>0\repeat
17083 \fi\fi
17084 %
17085 % only text on the left side
17086 %
17087 \ifnum\na>0
17088     \loop\advance\na -1
17089     \setbox\aslice=\vsplit\holder to\baselineskip
17090     \prune\aslice\lftside
17091     \setbox\waslice=\vbox{\unvbox\waslice\hbox
17092 to\lftside{\box\aslice\hfil}}
17093     \ifdim\ht\holder>0pt\repeat
17094 \fi
17095 %
17096 % only text on the right side
17097 %
17098 \ifnum\nb>0
17099     \loop\advance\nb -1
17100     \setbox\bslice=\vsplit\holder to\baselineskip
17101     \prune\bslice\rtside
17102     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17103 to\rtside{\box\bslice\hfil}}

```



```

17104 \ifdim\ht\holder>0pt\repeat
17105 \fi
17106 %
17107 % fixing the dimensions of the window part
17108 %
17109 \ifnum\bl=0\topheight=\ht\wbslice
17110 \else\ifnum\br=0\topheight=\ht\waslice
17111 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
17112 \else\topheight=\ht\wbslice\fi\fi\fi
17113 %
17114 % ship out the window material to the main vertical list
17115 %
17116 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
17117 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
17118 \fi\fi\fi
17119 \setbox>windowbox=\vbox{\hbox to\linewidth{%
17120 \ifnum\bl>0\box\waslice\hfill\fi%
17121 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
17122 \vfill\unvbox\picbox%
17123 \ifnum\picwd>0\vfill\fi%
17124 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
17125 \unvbox>windowbox%
17126 \loop
17127 \setbox\bslice=\vsplit\rawtext to\baselineskip
17128 \prune\bslice\linewidth
17129 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfill}}
17130 \unvbox\wbslice
17131 \ifdim\ht\rawtext>0pt
17132 \repeat
17133 }% FINITO

```

115 File plain-xetex-bidi.def

```

17134 \def\TeXXeTOn{\TeXXeTstate=1 }
17135 \def\TeXXeTOff{\TeXXeTstate=0 }
17136 \TeXXeTOn
17137 \def\usebox#1{\leavevmode\copy #1\relax}
17138 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
17139 \let\bidi@o@everypar=\everypar
17140 \newtoks\bidi@n@everypar
17141 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
17142 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
17143 \let\everypar=\bidi@n@everypar
17144 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17145 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17146 \protected\def\hboxR{\hbox\bgroup
17147 \everyhbox{%
17148 \aftergroup\egroup
17149 \everyhbox{}}%
17150 \beginR
17151 \@hboxRconstructtrue
17152 \bgroup
17153 \aftergroup\endR
17154 \aftergroup\egroup

```




```

17155 } \hbox}
17156 \protected\def \hboxL{\hbox\bgroup
17157 \everyhbox{%
17158 \aftergroup\egroup
17159 \everyhbox}%
17160 \beginL
17161 \@hboxRconstructfalse
17162 \bgroup
17163 \aftergroup\endL
17164 \aftergroup\egroup
17165 } \hbox}
17166 \protected\def \vboxR{\vbox\bgroup
17167 \everyvbox{%
17168 \aftergroup\egroup
17169 \everyvbox}%
17170 \@RTLtrue
17171 \bgroup
17172 \aftergroup\egroup
17173 } \vbox}
17174 \protected\def \vboxL{\vbox\bgroup
17175 \everyvbox{%
17176 \aftergroup\egroup
17177 \everyvbox}%
17178 \@RTLfalse
17179 \bgroup
17180 \aftergroup\egroup
17181 } \vbox}
17182 \def \LTR{\par \@RTLfalse \@RTL@footnotefalse \hsize \linewidth \parshape \z@}
17183 \def \endLTR{\par}
17184 \def \RTL{\par \@RTLtrue \@RTL@footnotetrue \hsize \linewidth \parshape \z@}
17185 \def \endRTL{\par}
17186 \def \setRTL{\@RTLtrue \@RTL@footnotetrue}
17187 \def \setLTR{\@RTLfalse \@RTL@footnotefalse}
17188 \let \unsetRTL = \setLTR
17189 \let \unsetLTR = \setRTL
17190 \let \LR = \LRE
17191 \let \RL = \RLE
17192 \def \@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
17193 \def \@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
17194 \let \@ensure@RL = \@ensure@RTL
17195 \let \@ensure@LR = \@ensure@LTR
17196 \def \@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17197 \let \@ensure@maindir = \@ensure@dir
17198 \def \@RTL{RTL}
17199 \def \@LTR{LTR}
17200 \def \save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
17201 \def \reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
17202 \let \@@TeX \TeX
17203 \def \TeX{\@ensure@LTR{\@@TeX}}
17204 \def \pagecontents{\ifvoid\topins\else\unvbox\topins\fi
17205 \dimen@ = \dp\@cclv \unvbox\@cclv % open up \box255
17206 \ifvoid\footins\else % footnote info is present
17207 \vskip\skip\footins
17208 \footnoterule

```



```

17209 \unvbox\footins\fi
17210 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
17211 \ifvoid\@bidi@copyins@
17212 \else
17213 \vskip\skip\@bidi@copyins@
17214 \unvbox\@bidi@copyins@
17215 \fi
17216 }
17217 \long\def\bidi@reflect@box#1{%
17218 \leavevmode
17219 \setbox\z@\hbox{#{#1}}%
17220 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
17221 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
17222 }
17223 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
17224 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
17225 \let\setRL=\setRTL
17226 \let\setLR=\setLTR
17227 \let\unsetRL=\setLTR
17228 \let\bidi@samed@eqno=\eqno
17229 \let\bidi@samed@leqno=\leqno
17230 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
17231 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
17232 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
17233 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
17234 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

116 File pstricks-xetex-bidi.def

```

17235 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
17236 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
17237 \def\endpspicture{%
17238 \ifshowgrid\ifnum\showgridp@s>0
17239 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
17240 \pst@killglue
17241 % \global\pst@shift=\pst@shift% in fact of the following endgroup
17242 \endgroup
17243 \egroup
17244 \ifdim\wd\pst@hbox=\z@\else
17245 %\@pstrickserr{Extraneous space in the pspicture environment}%
17246 %\Type \space <return> \space to proceed.}%
17247 \fi
17248 \ht\pst@hbox=\pst@dimd
17249 \dp\pst@hbox=-\pst@dimb
17250 \setbox\pst@hbox=\hbox{%
17251 \kern-\pst@dima
17252 % Orig version -----
17253 %\ifx\pst@tempa\@empty\else
17254 %\advance\pst@dimd-\pst@dimb
17255 %\pst@dimd=\pst@tempa\pst@dimd
17256 %\advance\pst@dimd\pst@dimb
17257 %\lower\pst@dimd
17258 %\fi
17259 %----- end Orig

```



```

17260 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
17261 \advance\pst@dimd-\pst@dimb
17262 \pst@dimd=0.5\pst@dimd
17263 \else\pst@dimd-\pst@shift\fi
17264 \advance\pst@dimd\pst@dimb
17265 \lower\pst@dimd
17266 \box\pst@hbox
17267 \kern\pst@dimc}%
17268 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
17269 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
17270 \fboxsep=0pt
17271 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
17272 \ifmmode\else\endL\fi
17273 \endgroup%
17274 \psset[pstricks]{shift=0}% reset value
17275 }

```

117 File quotchap-xetex-bidi.def

```

17276 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
17277 \renewcommand{\qauthor}[1]{%
17278 \par\smallskip
17279 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
17280 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
17281 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
17282 {\chapnumfont
17283 \ifnum \c@secnumdepth >\m@ne%
17284 \if@mainmatter\thechapter%
17285 \fi\fi
17286 \par\nobreak}%
17287 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
17288 \nobreak\chapterheadendvskip}}}
17289 \renewcommand*{\@iprintcites}{%
17290 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
17291 \global\let\@printcites\relax}

```

118 File ragged2e-xetex-bidi.def

```

17292 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
17293 \renewcommand{\Centering}{%
17294 \ifx\\ \@raggedtwoe@savedcr
17295 \let\\ \@centercr
17296 \fi
17297 \let\@gnewline\@raggedtwoe@gnewline
17298 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
17299 \@rightskip\CenteringRightskip
17300 \if@RTL\leftskip\else\rightskip\fi\@rightskip
17301 \parfillskip\CenteringParfillskip
17302 \parindent\CenteringParindent
17303 \@raggedtwoe@spaceskiptrue
17304 \@raggedtwoe@everyselectfont
17305 }
17306 \renewcommand{\RaggedLeft}{%
17307 \ifx\\ \@raggedtwoe@savedcr

```



```

17308     \let\\\@centercr
17309     \fi
17310     \let\@gnewline\@raggedtwoe@gnewline
17311     \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
17312     \@rightskip\RaggedLeftRightskip
17313     \if@RTL\leftskip\else\rightskip\fi\@rightskip
17314     \parfillskip\RaggedLeftParfillskip
17315     \parindent\RaggedLeftParindent
17316     \@raggedtwoe@spaceskiptrue
17317     \@raggedtwoe@everyselectfont
17318   }
17319 \renewcommand{\RaggedRight}{%
17320   \ifx\\\@raggedtwoe@savedcr
17321     \let\\\@centercr
17322     \fi
17323     \let\@gnewline\@raggedtwoe@gnewline
17324     \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
17325     \@rightskip\RaggedRightRightskip
17326     \if@RTL\leftskip\else\rightskip\fi\@rightskip
17327     \parfillskip\RaggedRightParfillskip
17328     \parindent\RaggedRightParindent
17329     \@raggedtwoe@spaceskiptrue
17330     \@raggedtwoe@everyselectfont
17331   }
17332 \renewcommand{\justifying}{%
17333   \let\\\@raggedtwoe@savedcr
17334   \let\@gnewline\@raggedtwoe@saved@gnewline
17335   \if@RTL\rightskip\else\leftskip\fi\z@
17336   \@rightskip\z@
17337   \if@RTL\leftskip\else\rightskip\fi\@rightskip
17338   \parfillskip\JustifyingParfillskip
17339   \parindent\JustifyingParindent
17340   \@raggedtwoe@spaceskipfalse
17341   \@raggedtwoe@everyselectfont
17342 }
17343 \def\@raggedtwoe@raggedrightboxes@opt{%
17344   \renewcommand{\@arrayparboxrestore}{%
17345     \let\if@nobreak\iffalse
17346     \let\if@noskipsec\iffalse
17347     \let\par\@par
17348     \let\-\@dischyph
17349     \let'\@acci\let\` \@accii\let\=\@acciii
17350     \parskip\z@skip
17351     \everypar{}%
17352     \linewidth\hsize
17353     \@totalleftmargin\z@
17354     \if@RTL
17355       \RaggedLeft
17356     \else
17357       \RaggedRight
17358     \fi
17359     \lineskip\normallineskip
17360     \baselineskip\normalbaselineskip
17361     \sloppy}%

```



```

17362 \let\@raggedtwoe@raggedrightboxes@opt\relax
17363 }
17364 \def\@raggedtwoe@document@opt{%
17365   \AtBeginDocument{\@raggedtwoe@abdhook}%
17366   \@raggedtwoe@raggedrightboxes@opt
17367   \@raggedtwoe@footmisctrue
17368   \let\@raggedtwoe@document@opt\relax
17369 }
17370 \def\@raggedtwoe@abdhook{%
17371   \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
17372     right to left documents and '\string\RaggedRight' for left
17373     to right documents}%
17374   \ifRTL
17375     \RaggedLeft
17376   \else
17377     \RaggedRight
17378   \fi
17379   \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
17380   \let\@raggedtwoe@abdhook\relax
17381 }
17382 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
17383   \@raggedtwoe@raggedrightboxes@opt
17384 }{}
17385 \@ifpackagewith{ragged2e}{document}{%
17386   \@raggedtwoe@document@opt
17387 }{}
17388 \let\origin@RaggedLeft=\RaggedLeft
17389 \let\origin@RaggedRight=\RaggedRight
17390 \def\RaggedLeft{\ifRTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
17391 \def\RaggedRight{\ifRTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

119 File rapport1-xetex-bidi.def

```

17392 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
17393 \renewenvironment{theindex}{%
17394   \if@twocolumn
17395     \@restonecolfalse
17396   \else
17397     \@restonecoltrue
17398   \fi
17399   \columnseprule \z@
17400   \columnsep 35\p@
17401   \twocolumn[\@makeschapterhead{\indexname}]%
17402   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
17403   \thispagestyle{plain}\parindent\z@
17404   \parskip\z@ \@plus .3\p@\relax
17405   \let\item\@idxitem
17406 }{%
17407   \if@restonecol\onecolumn\else\clearpage\fi}
17408 \renewcommand*\head@style{%
17409   \interlinepenalty \@M
17410   \hyphenpenalty=\@M \exhyphenpenalty=\@M
17411   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
17412 \if@titlepage

```



```

17413 \renewenvironment{abstract}{%
17414     \titlepage
17415     \null\vfil
17416     \section*{\SectFont\abstractname}%
17417     \noindent\ignorespaces}
17418     {\par\vfil\null\endtitlepage}
17419 \else
17420 \renewenvironment{abstract}{%
17421     \if@twocolumn
17422     \section*{\abstractname}%
17423     \else
17424     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
17425     \section*{\small\SectFont\abstractname}%
17426     \noindent\ignorespaces
17427     \fi}
17428     {\if@twocolumn\else\par\egroup\fi}
17429 \fi
17430 \renewcommand*\@regtocline[3]{%
17431     \ifnum #1>\c@tocdepth
17432     \else
17433     \vskip\z@\@plus.2\p@
17434     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
17435     \if@RTL\rightskip\else\leftskip\fi\unitindent
17436     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
17437     \parfillskip\z@
17438     \@tempdima\unitindent
17439     \parindent\z@
17440     \leavevmode
17441     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
17442     \hskip 1em \nobreak{\slshape #3}\par
17443     }%
17444     \fi}
17445 \if@oldtoc
17446 \renewcommand*\l@part[2]{%
17447     \ifnum \c@tocdepth >-2\relax
17448     \addpenalty{-\@highpenalty}%
17449     \addvspace{2.25em \@plus\p@}%
17450     \begingroup
17451     \setlength\@tempdima{3em}%
17452     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17453     \parfillskip -\@pnumwidth
17454     {\leavevmode
17455     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17456     \nobreak
17457     \global\@nobreaktrue
17458     \everypar{\global\@nobreakfalse\everypar{}}%
17459     \endgroup
17460     \fi}
17461 \else
17462 \renewcommand*\l@part{%
17463     \ifnum \c@tocdepth >-2\relax
17464     \addpenalty{-\@highpenalty}%
17465     \addvspace{2.25em \@plus \p@}%
17466     \@regtocline{0}%

```



```

17467 \fi}
17468 \fi
17469 \if@oldtoc
17470 \renewcommand*\l@chapter[2]{%
17471 \addpenalty{-\@highpenalty}%
17472 \vskip 1.0em \@plus\p@
17473 \setlength\@tempdima{1.5em}%
17474 \begingroup
17475 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17476 \parfillskip -\@pnumwidth
17477 \leavevmode \bfseries
17478 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17479 \hskip -\if@RTL\rightskip\else\leftskip\fi
17480 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17481 \penalty\@highpenalty
17482 \endgroup}
17483 \else
17484 \renewcommand*\l@chapter{\@regtocline{0}}
17485 \fi
17486 \renewcommand*\left@footnoterule{%
17487 \kern-3\p@
17488 \kern.5\baselineskip
17489 \hrule\@width\unitindent
17490 \kern.4\baselineskip
17491 }
17492 \renewcommand*\right@footnoterule{%
17493 \kern-3\p@
17494 \kern.5\baselineskip
17495 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
17496 \kern.4\baselineskip}
17497 \renewenvironment{thebibliography}[1]
17498 {\chapter*{\bibname}%
17499 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17500 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17501 \bidi@thebibliography@font@hook%
17502 \list{\@biblabel{\@arabic\c@enumiv}}%
17503 {\settowidth\labelwidth{\@biblabel{#1}}%
17504 \leftmargin\labelwidth
17505 \advance\leftmargin\labelsep
17506 \@openbib@code
17507 \usecounter{enumiv}%
17508 \let\p@enumiv\@empty
17509 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
17510 \sloppy\clubpenalty4000\widowpenalty4000%
17511 \sfcode`\.\@m}
17512 {\def\@noitemerr
17513 {\@latex@warning{Empty `thebibliography' environment}}}%
17514 \endlist}
17515 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
17516 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17517 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
17518 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17519 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
17520 \renewcommand*\theequation{%

```



```

17521 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
17522 \renewcommand*\thefigure{%
17523 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
17524 \renewcommand*\thetable{%
17525 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
17526 \if@titlepage
17527 \renewcommand*\TitleFont{\rmfamily}
17528 \renewcommand*\maketitle{%
17529 \begin{titlepage}%
17530 \let\footnotesize\small
17531 \let\right@footnoterule\relax
17532 \let\left@footnoterule\relax
17533 \let\textwidth\footnoterule\relax
17534 \let \footnote \thanks
17535 \long\def\@makefnmark##1{\parindent\z@
17536 \def\labelitemi{\textendash}\@revlabeltrue
17537 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
17538 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17539 \if@compatibility\setcounter{page}{0}\fi
17540 \null\vfil
17541 \vskip 60\p@
17542 \begin{center}%
17543 \TitleFont
17544 {\LARGE \def\\{\penalty -\@M}
17545 \if@allcaps
17546 \expandafter\uc@nothanks\@title\thanks\relax
17547 \else
17548 \@title
17549 \fi\par}%
17550 \vskip 3em%
17551 {\large
17552 \lineskip .75em \parindent\z@
17553 \begin{tabular}[t]{c}%
17554 \if@allcaps
17555 \expandafter\uc@authornothanks\@author\and\relax
17556 \else
17557 \@author
17558 \fi
17559 \end{tabular}\par}%
17560 \vskip 1.5em%
17561 {\large
17562 \if@allcaps
17563 \uppercase\expandafter{\@date}%
17564 \else
17565 \@date
17566 \fi\par}%
17567 \end{center}\par
17568 \@thanks
17569 \vfil\null
17570 \end{titlepage}%
17571 \setcounter{footnote}{0}%
17572 \global\let\thanks\relax
17573 \global\let\maketitle\relax
17574 \global\let\@thanks\@empty

```




```

17575 \global\let\@author\@empty
17576 \global\let\@title\@empty
17577 \global\let\@date\@empty
17578 \global\let\title\relax
17579 \global\let\author\relax
17580 \global\let\date\relax
17581 \global\let\and\relax
17582 }
17583 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
17584 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
17585 \futurelet\@tempa\uc@ax}
17586 \def\uc@ax{%
17587 \ifx\@tempa\relax
17588 \else
17589 \\\andname \\\expandafter\uc@authornothanks
17590 \fi}
17591 \def\uc@tx{\ifx\@tempa\relax
17592 \else \expandafter\uc@ty \fi}
17593 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
17594 \else
17595 \renewcommand*\maketitle{\par
17596 \begingroup
17597 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17598 \def\@makefnmark{\rlap{%
17599 \@textsuperscript{\normalfont\@thefnmark}}}%
17600 \long\def\@makefntext{\@xmakefntext{%
17601 \@textsuperscript{\normalfont\@thefnmark}}}%
17602 \if@twocolumn
17603 \ifnum \col@number=\@ne
17604 \@maketitle
17605 \else
17606 \twocolumn[\@maketitle]%
17607 \fi
17608 \else
17609 \newpage
17610 \global\@topnum\z@
17611 \@maketitle
17612 \fi
17613 \thispagestyle{plain}\@thanks
17614 \endgroup
17615 \setcounter{footnote}{0}%
17616 \global\let\thanks\relax
17617 \global\let\maketitle\relax
17618 \global\let\@maketitle\relax
17619 \global\let\@thanks\@empty
17620 \global\let\@author\@empty
17621 \global\let\@title\@empty
17622 \global\let\@date\@empty
17623 \global\let\title\relax
17624 \global\let\author\relax
17625 \global\let\date\relax
17626 \global\let\and\relax
17627 }
17628 \def\@maketitle{%

```



```

17629 \newpage
17630 \null
17631 \vskip 2em%
17632 \begin{center}%
17633   \let \footnote \thanks
17634   {\LARGE \TitleFont \@title \par}%
17635   \vskip 1.5em%
17636   {\large \TitleFont
17637     \lineskip .5em%
17638     \begin{tabular}[t]{c}%
17639       \@author
17640     \end{tabular}\par}%
17641   \vskip 1em%
17642   {\large \TitleFont \@date}%
17643 \end{center}%
17644 \par
17645 \vskip 1.5em}
17646 \fi

```

120 File rapport3-xetex-bidi.def

```

17647 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
17648 \renewenvironment{theindex}{%
17649   \if@twocolumn
17650     \@restonecolfalse
17651   \else
17652     \@restonecoltrue
17653   \fi
17654   \columnseprule \z@
17655   \columnsep 35\p@
17656   \twocolumn[{\makeschapterhead{\indexname}}]%
17657   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
17658   \thispagestyle{plain}\parindent\z@
17659   \parskip\z@ \@plus .3\p@\relax
17660   \let\item\@idxitem
17661   }{%
17662   \if@restonecol\onecolumn\else\clearpage\fi}
17663 \if@titlepage
17664 \renewcommand*\TitleFont{\rmfamily}
17665 \renewcommand*\maketitle{%
17666   \begin{titlepage}%
17667     \let\footnotesize\small
17668     \let\right@footnoterule\relax
17669     \let\left@footnoterule\relax
17670     \let\textwidth@footnoterule\relax
17671     \let \footnote \thanks
17672     \let \LTRfootnote \LTRthanks
17673     \let \RTLfootnote \RTLthanks
17674     \long\def\@makefntext##1{\parindent\z@
17675       \def\labelitemi{\textendash}\@revlabeltrue
17676       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
17677     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17678     \if@compatibility\setcounter{page}{0}\fi
17679     \null\vfil

```



```

17680 \vskip 60\p@
17681 \begin{center}%
17682 \TitleFont
17683 {\LARGE \def\\{\penalty -\@M}
17684 \if@allcaps
17685 \expandafter\uc@nothanks\@title\thanks\relax
17686 \else
17687 \@title
17688 \fi\par}%
17689 \vskip 3em%
17690 {\large
17691 \lineskip .75em \parindent\z@
17692 \begin{tabular}[t]{c}%
17693 \if@allcaps
17694 \expandafter\uc@authornothanks\@author\and\relax
17695 \else
17696 \@author
17697 \fi
17698 \end{tabular}\par}%
17699 \vskip 1.5em%
17700 {\large
17701 \if@allcaps
17702 \uppercase\expandafter{\@date}%
17703 \else
17704 \@date
17705 \fi\par}%
17706 \end{center}\par
17707 \@thanks
17708 \vfil\null
17709 \end{titlepage}%
17710 \setcounter{footnote}{0}%
17711 \global\let\thanks\relax
17712 \global\let\LTRthanks\relax
17713 \global\let\RTLthanks\relax
17714 \global\let\maketitle\relax
17715 \global\let\@thanks\@empty
17716 \global\let\@author\@empty
17717 \global\let\@title\@empty
17718 \global\let\@date\@empty
17719 \global\let\title\relax
17720 \global\let\author\relax
17721 \global\let\date\relax
17722 \global\let\and\relax
17723 }
17724 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
17725 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
17726 \futurelet\@tempa\uc@ax}
17727 \def\uc@ax{%
17728 \ifx\@tempa\relax
17729 \else
17730 \\\andname \\\expandafter\uc@authornothanks
17731 \fi}
17732 \def\uc@tx{\ifx\@tempa\relax
17733 \else \expandafter\uc@ty \fi}

```



```

17734 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
17735 \else
17736 \renewcommand*\maketitle{\par
17737   \begingroup
17738     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17739     \def\@makefnmark{\rlap{%
17740       \@textsuperscript{\normalfont\@thefnmark}}}%
17741     \long\def\@makefntext{\@xmakefntext{%
17742       \@textsuperscript{\normalfont\@thefnmark}}}%
17743     \if@twocolumn
17744       \ifnum \col@number=\@ne
17745         \@maketitle
17746       \else
17747         \twocolumn[\@maketitle]%
17748       \fi
17749     \else
17750       \newpage
17751       \global\@topnum\z@
17752       \@maketitle
17753     \fi
17754     \thispagestyle{plain}\@thanks
17755   \endgroup
17756   \setcounter{footnote}{0}%
17757   \global\let\thanks\relax
17758   \global\let\LTRthanks\relax
17759   \global\let\RTLthanks\relax
17760   \global\let\maketitle\relax
17761   \global\let\@maketitle\relax
17762   \global\let\@thanks\@empty
17763   \global\let\@author\@empty
17764   \global\let\@title\@empty
17765   \global\let\@date\@empty
17766   \global\let\title\relax
17767   \global\let\author\relax
17768   \global\let\date\relax
17769   \global\let\and\relax
17770 }
17771 \def\@maketitle{%
17772   \newpage
17773   \null
17774   \vskip 2em%
17775   \if@titlecentered
17776     \begin{center}%
17777       \let \footnote \thanks
17778       \let \LTRfootnote \LTRthanks
17779       \let \RTLfootnote \RTLthanks
17780       {\LARGE \TitleFont \@title \par}%
17781       \vskip 1.5em%
17782       {\large \TitleFont
17783         \lineskip .5em%
17784         \begin{tabular}[t]{c}%
17785           \@author
17786         \end{tabular}\par}%
17787       \vskip 1em%

```



```

17788     {\large \TitleFont \@date}%
17789   \end{center}%
17790   \else
17791     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
17792     {\large \TitleFont \lineskip .5em \tabcolsep\z@
17793       \def\and{%% \begin{tabular} has already started
17794         \end{tabular}\hskip 1em plus .17fil
17795         \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
17796         \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\
17797       \vskip 1em {\large \TitleFont \@date}}
17798   \fi
17799   \par
17800   \vskip 1.5em}
17801 \fi
17802 \renewcommand*\@regtocline[3]{%
17803   \ifnum #1>\c@tocdepth
17804   \else
17805     \vskip\z@\@plus.2\p@
17806     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
17807       \ifRTL\righskip\else\leftskip\fi\unitindent
17808       \ifRTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
17809       \parfillskip\z@
17810       \@tempdima\unitindent
17811       \parindent\z@
17812       \leavevmode
17813       \hbox{}\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
17814       \hskip 1em \nobreak{\slshape #3}\par
17815     }%
17816   \fi}
17817 \if@oldtoc
17818 \renewcommand*\l@part[2]{%
17819   \ifnum \c@tocdepth >-2\relax
17820     \addpenalty{-\@highpenalty}%
17821     \addvspace{2.25em \@plus\p@}%
17822     \begingroup
17823       \setlength\@tempdima{3em}%
17824       \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
17825       \parfillskip -\@pnumwidth
17826       {\leavevmode
17827         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17828         \nobreak
17829         \global\@nobreaktrue
17830         \everypar{\global\@nobreakfalse\everypar{}}%
17831       \endgroup
17832     \fi}
17833 \else
17834   \renewcommand*\l@part{%
17835     \ifnum \c@tocdepth >-2\relax
17836       \addpenalty{-\@highpenalty}%
17837       \addvspace{2.25em \@plus \p@}%
17838       \@regtocline{0}%
17839     \fi}
17840 \fi
17841 \if@oldtoc

```



```

17842 \renewcommand*\l@chapter[2]{%
17843     \addpenalty{-\@highpenalty}%
17844     \vskip 1.0em \@plus\p@
17845     \setlength\@tempdima{1.5em}%
17846     \begingroup
17847     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17848     \parfillskip -\@pnumwidth
17849     \leavevmode \bfseries
17850     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17851     \hskip -\if@RTL\rightskip\else\leftskip\fi
17852     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17853     \penalty\@highpenalty
17854     \endgroup}
17855 \else
17856     \renewcommand*\l@chapter{\@regtocline{0}}
17857 \fi
17858 \renewcommand*\head@style{%
17859     \interlinepenalty \@M
17860     \hyphenpenalty=\@M \exhyphenpenalty=\@M
17861     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
17862 \if@titlepage
17863     \renewenvironment{abstract}{%
17864         \titlepage
17865         \null\vfil
17866         \section*{\SectFont\abstractname}%
17867         \noindent\ignorespaces}
17868     {\par\vfil\null\endtitlepage}
17869 \else
17870     \renewenvironment{abstract}{%
17871         \if@twocolumn
17872             \section*{\abstractname}%
17873         \else
17874             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
17875             \section*{\small\SectFont\abstractname}%
17876             \noindent\ignorespaces
17877         \fi}
17878     {\if@twocolumn\else\par\egroup\fi}
17879 \fi
17880 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
17881 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17882 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
17883 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17884 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
17885 \renewcommand*\thefigure{%
17886     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
17887 \renewcommand*\thetable{%
17888     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
17889 \renewcommand*\theequation{%
17890     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
17891 \renewenvironment{thebibliography}[1]
17892     {\chapter*{\bibname}%
17893         \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17894         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17895         \bidi@thebibliography@font@hook%

```



```

17896 \list{\@biblabel{\@arabic\c@enumiv}}%
17897 {\settowidth\labelwidth{\@biblabel{#1}}%
17898 \leftmargin\labelwidth
17899 \advance\leftmargin\labelsep
17900 \openbib@code
17901 \usecounter{enumiv}}%
17902 \let\p@enumiv\@empty
17903 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
17904 \sloppy\clubpenalty4000\widowpenalty4000%
17905 \sfcode\.\@m}
17906 {\def\@noitemerr
17907 {\@latex@warning{Empty `thebibliography' environment}}}%
17908 \endlist}
17909 \renewcommand*\left@footnoterule{%
17910 \kern-3\p@
17911 \kern.5\baselineskip
17912 \hrule\@width\unitindent
17913 \kern.4\baselineskip
17914 }
17915 \renewcommand*\right@footnoterule{%
17916 \kern-3\p@
17917 \kern.5\baselineskip
17918 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
17919 \kern.4\baselineskip}
17920 \renewcommand*\head@style{%
17921 \interlinepenalty \@M
17922 \hyphenpenalty=\@M \exhyphenpenalty=\@M
17923 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

121 File refrep-xetex-bidi.def

```

17924 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
17925 \if@titlepage
17926 \renewcommand\maketitle{\begin{titlepage}%
17927 \let\footnotesize\small
17928 \let\right@footnoterule\relax
17929 \let\left@footnoterule\relax
17930 \let\textwidth\footnoterule\relax
17931 \let\footnote\thanks
17932 \let\LTRfootnote\LTRthanks
17933 \let\RTLfootnote\RTLthanks
17934 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
17935 \def\@makefnmark%
17936 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
17937 \long\def\@makefntext##1{%
17938 \setpar{\@par
17939 \tempdima = \hsize
17940 \advance\tempdima -1em
17941 \parshape \@ne 1em \tempdima}%
17942 \par\parindent 1em \noindent
17943 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
17944 \null\vfil
17945 \vskip 60\p@
17946 \begin{center}%

```



```

17947 {\\LARGE \@title \\par}%
17948 \\vskip 3em%
17949 {\\large
17950   \\lineskip .75em%
17951   \\begin{tabular}[t]{c}%
17952     \\@author
17953     \\end{tabular}\\par}%
17954   \\vskip 1.5em%
17955   {\\large \@date \\par}%           % Set date in \\large size.
17956 \\end{center}\\par
17957 \\@thanks
17958 \\vfil\\null
17959 \\end{titlepage}%
17960 \\setcounter{footnote}{0}%
17961 \\global\\let\\thanks\\relax
17962 \\global\\let\\LTRthanks\\relax
17963 \\global\\let\\RTLthanks\\relax
17964 \\global\\let\\maketitle\\relax
17965 \\global\\let\\@thanks\\@empty
17966 \\global\\let\\@author\\@empty
17967 \\global\\let\\@date\\@empty
17968 \\global\\let\\@title\\@empty
17969 \\global\\let\\title\\relax
17970 \\global\\let\\author\\relax
17971 \\global\\let\\date\\relax
17972 \\global\\let\\and\\relax
17973 }
17974 \\else
17975   \\renewcommand\\maketitle{\\par
17976     \\begingroup
17977       \\renewcommand\\thefootnote{\\@fnsymbol\\c@footnote}%
17978       \\def\\@makefnmark%
17979         {\\rlap{\\@textsuperscript{\\normalfont\\@thefnmark}}}%
17980       \\long\\def\\@makefntext##1{%
17981         \\@setpar{\\@par
17982           \\@tempdima = \\hspace
17983           \\advance\\@tempdima -1em
17984           \\parshape \\@ne 1em \\@tempdima}%
17985         \\par\\parindent 1em \\noindent
17986         \\hb@xt@\\z@{\\hss\\@textsuperscript{\\normalfont\\@thefnmark}\\,}##1}
17987       \\if@twocolumn
17988         \\ifnum \\col@number=\\@ne
17989           \\@maketitle
17990         \\else
17991           \\twocolumn[\\@maketitle]%
17992         \\fi
17993       \\else
17994         \\newpage
17995         \\global\\@topnum\\z@   % Prevents figures from going at top of page.
17996         \\@maketitle
17997       \\fi
17998       \\thispagestyle{empty}\\@thanks
17999     \\endgroup
18000     \\setcounter{footnote}{0}%

```




```

18001 \global\let\thanks\relax
18002 \global\let\LTRthanks\relax
18003 \global\let\RTLthanks\relax
18004 \global\let\maketitle\relax
18005 \global\let\@maketitle\relax
18006 \global\let\@thanks\@empty
18007 \global\let\@author\@empty
18008 \global\let\@date\@empty
18009 \global\let\@title\@empty
18010 \global\let\title\relax
18011 \global\let\author\relax
18012 \global\let\date\relax
18013 \global\let\and\relax
18014 }
18015 \def\@maketitle{%
18016   \newpage
18017   \null
18018   \longthickrule\vskip1.5em%
18019   \let \footnote \thanks
18020   \let \LTRfootnote \LTRthanks
18021   \let \RTLfootnote \RTLthanks
18022   {\secshape \parskip\z@ \parindent\z@
18023   \Large\bfseries \@title \par}%
18024   \vskip1.5em\longthickrule\vskip1.5em%
18025   {\normalsize
18026     \lineskip .5em%
18027     \begin{flushright}%
18028       {\slshape\@author\par}
18029       \vskip 1em%
18030       {\@date}%
18031     \end{flushright}\par}%
18032   \vskip 1.5em}
18033 \fi
18034 \renewcommand*\l@part[2]{%
18035   \ifnum \c@tocdepth >-2\relax
18036     \addpenalty{-\@highpenalty}%
18037     \addvspace{2.25em \@plus\p}%
18038     \begingroup
18039       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18040       \parfillskip -\@pnumwidth
18041       {\leavevmode
18042         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
18043       \nobreak
18044       \global\@nobreaktrue
18045       \everypar{\global\@nobreakfalse\everypar{}}%
18046     \endgroup
18047   \fi}
18048 \renewcommand*\l@chapter[2]{%
18049   \ifnum \c@tocdepth >\m@ne
18050     \addpenalty{-\@highpenalty}%
18051     \vskip 1.0em \@plus\p@
18052     \setlength\@tempdima{1.5em}%
18053     \begingroup
18054     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

18055 \parfillskip -\@pnumwidth
18056 \leavevmode \bfseries
18057 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18058 \hskip -\if@RTL\rightskip\else\leftskip\fi
18059 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18060 \penalty\@highpenalty
18061 \endgroup
18062 \fi}
18063 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
18064 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
18065 \hyphenpenalty=2000}
18066 \renewcommand\left@footnoterule{%
18067 \kern-3\p@
18068 \hrule\@width.4\columnwidth
18069 \kern 2.6\p@}
18070 \renewcommand\right@footnoterule{%
18071 \kern-3\p@
18072 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18073 \kern2.6\p@}
18074 \renewcommand\theequation
18075 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
18076 \renewcommand\thefigure
18077 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
18078 \renewcommand\thetable%
18079 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
18080 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
18081 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
18082 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
18083 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
18084 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
18085 \renewenvironment{thebibliography}[1]
18086 {\chapter*{\bibname
18087 \mkboth{\bibname}{\bibname}}%
18088 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18089 \bidi@thebibliography@font@hook%
18090 \list{\@biblabel{\@arabic\c@enumiv}}%
18091 {\settowidth\labelwidth{\@biblabel{#1}}%
18092 \leftmargin\labelwidth
18093 \advance\leftmargin\labelsep
18094 \@openbib@code
18095 \usecounter{enumiv}%
18096 \let\p@enumiv\@empty
18097 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18098 \sloppy
18099 \clubpenalty4000
18100 \@clubpenalty \clubpenalty
18101 \widowpenalty4000%
18102 \sfcode`\.=\@m}
18103 {\def\@noitemerr
18104 {\@latex@warning{Empty `thebibliography' environment}}}%
18105 \endlist}

```

122 File report-xetex-bidi.def



```

18106 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
18107 \renewenvironment{theindex}
18108     {\if@twocolumn
18109       \@restonecolfalse
18110       \else
18111         \@restonecoltrue
18112       \fi
18113       \columnseprule \z@
18114       \columnsep 35\p@
18115       \twocolumn[\@makeschapterhead{\indexname}]\%
18116       \@mkboth{\MakeUppercase\indexname}\%
18117               {\MakeUppercase\indexname}\%
18118       \thispagestyle{plain}\parindent\z@
18119       \parskip\z@ \@plus .3\p@\relax
18120       \let\item\@idxitem}
18121     {\if@restonecol\onecolumn\else\clearpage\fi}
18122 \if@titlepage
18123 \renewcommand\maketitle{\begin{titlepage}%
18124 \let\footnotesize\small
18125 \let\right@footnoterule\relax
18126 \let\left@footnoterule\relax
18127 \let\textwidth\footnoterule\relax
18128 \let \footnote \thanks
18129 \let \LTRfootnote \LTRthanks
18130 \let \RTLfootnote \RTLthanks
18131 \null\vfil
18132 \vskip 60\p@
18133 \begin{center}%
18134   {\LARGE \@title \par}%
18135   \vskip 3em%
18136   {\large
18137     \lineskip .75em%
18138     \begin{tabular}[t]{c}%
18139       \@author
18140     \end{tabular}\par}%
18141   \vskip 1.5em%
18142   {\large \@date \par}%           % Set date in \large size.
18143 \end{center}\par
18144 \@thanks
18145 \vfil\null
18146 \end{titlepage}%
18147 \setcounter{footnote}{0}%
18148 \global\let\thanks\relax
18149 \global\let\LTRthanks\relax
18150 \global\let\RTLthanks\relax
18151 \global\let\maketitle\relax
18152 \global\let\@thanks\@empty
18153 \global\let\@author\@empty
18154 \global\let\@date\@empty
18155 \global\let\@title\@empty
18156 \global\let\title\relax
18157 \global\let\author\relax
18158 \global\let\date\relax
18159 \global\let\and\relax

```



```

18160 }
18161 \else
18162 \renewcommand\maketitle{\par
18163   \begin{group}
18164     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
18165     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
18166     \long\def\@makefntext##1{\parindent 1em\noindent
18167       \hb@xt@1.8em{%
18168         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
18169     \if@twocolumn
18170       \ifnum \col@number=\@ne
18171         \@maketitle
18172       \else
18173         \twocolumn[\@maketitle]%
18174       \fi
18175     \else
18176       \newpage
18177       \global\@topnum\z@ % Prevents figures from going at top of page.
18178       \@maketitle
18179     \fi
18180     \thispagestyle{plain}\@thanks
18181   \end{group}
18182   \setcounter{footnote}{0}%
18183   \global\let\thanks\relax
18184   \global\let\LTRthanks\relax
18185   \global\let\RTLthanks\relax
18186   \global\let\maketitle\relax
18187   \global\let\@maketitle\relax
18188   \global\let\@thanks\@empty
18189   \global\let\@author\@empty
18190   \global\let\@date\@empty
18191   \global\let\@title\@empty
18192   \global\let\title\relax
18193   \global\let\author\relax
18194   \global\let\date\relax
18195   \global\let\and\relax
18196 }
18197 \def\@maketitle{%
18198   \newpage
18199   \null
18200   \vskip 2em%
18201   \begin{center}%
18202     \let \footnote \thanks
18203     \let \LTRfootnote \LTRthanks
18204     \let \RTLfootnote \RTLthanks
18205     {\LARGE \@title \par}%
18206     \vskip 1.5em%
18207     {\large
18208       \lineskip .5em%
18209       \begin{tabular}[t]{c}%
18210         \@author
18211       \end{tabular}\par}%
18212     \vskip 1em%
18213     {\large \@date}%

```



```

18214 \end{center}%
18215 \par
18216 \vskip 1.5em}
18217 \fi
18218 \renewcommand*\l@part[2]{%
18219 \ifnum \c@tocdepth >-2\relax
18220 \addpenalty{-\@highpenalty}%
18221 \addvspace{2.25em \@plus\p@}%
18222 \setlength\@tempdima{3em}%
18223 \begingroup
18224 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18225 \parfillskip -\@pnumwidth
18226 {\leavevmode
18227 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
18228 \nobreak
18229 \global\@nobreaktrue
18230 \everypar{\global\@nobreakfalse\everypar{}}%
18231 \endgroup
18232 \fi}
18233 \renewcommand*\l@chapter[2]{%
18234 \ifnum \c@tocdepth >\m@ne
18235 \addpenalty{-\@highpenalty}%
18236 \vskip 1.0em \@plus\p@
18237 \setlength\@tempdima{1.5em}%
18238 \begingroup
18239 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18240 \parfillskip -\@pnumwidth
18241 \leavevmode \bfseries
18242 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18243 \hskip -\if@RTL\rightskip\else\leftskip\fi
18244 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18245 \penalty\@highpenalty
18246 \endgroup
18247 \fi}
18248 \renewcommand\left@footnoterule{%
18249 \kern-3\p@
18250 \hrule\@width.4\columnwidth
18251 \kern2.6\p@}
18252 \renewcommand\right@footnoterule{%
18253 \kern-3\p@
18254 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18255 \kern2.6\p@}
18256 \renewcommand\theequation
18257 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
18258 \renewcommand \thefigure
18259 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
18260 \renewcommand \thetable
18261 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
18262 \renewcommand \thechapter {\@arabic\c@chapter}
18263 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
18264 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
18265 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
18266 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
18267 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

18268 \def\@makechapterhead#1{%
18269   \vspace*{50\p@}%
18270   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
18271     \ifnum \c@secnumdepth >\m@ne
18272       \huge\bfseries \@chapapp\space \thechapter
18273       \par\nobreak
18274       \vskip 20\p@
18275     \fi
18276     \interlinepenalty\@M
18277     \Huge \bfseries #1\par\nobreak
18278     \vskip 40\p@
18279   }}
18280 \def\@makeschapterhead#1{%
18281   \vspace*{50\p@}%
18282   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
18283     \normalfont
18284     \interlinepenalty\@M
18285     \Huge \bfseries #1\par\nobreak
18286     \vskip 40\p@
18287   }}
18288 \renewenvironment{thebibliography}[1]
18289   {\chapter*{\bibname}%
18290    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
18291    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18292    \bidi@thebibliography@font@hook%
18293    \list{\@biblabel{\@arabic\c@enumiv}}%
18294      {\settowidth\labelwidth{\@biblabel{#1}}%
18295       \leftmargin\labelwidth
18296       \advance\leftmargin\labelsep
18297       \@openbib@code
18298       \usecounter{enumiv}%
18299       \let\p@enumiv\@empty
18300       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18301    \sloppy
18302    \clubpenalty4000
18303    \@clubpenalty \clubpenalty
18304    \widowpenalty4000%
18305    \sfcode\.\@m}
18306 {\def\@noitemerr
18307   {\@latex@warning{Empty `thebibliography' environment}}}%
18308 \endlist}

```

123 File rotating-xetex-bidi.def

```

18309 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
18310 \def\end@rotfloat{%
18311   \end{minipage}\end{lrbox}%
18312   \stepcounter{r@tfl@t}%
18313   \rot@label{RF\ther@tfl@t}%
18314   \rot@pageref{RF\ther@tfl@t}{\R@page}%
18315   \edef\@tempa{Adding sideways \c@type\space on page \R@page\space}
18316   \rot@mess@toks\expandafter{\@tempa}
18317   \wd\rot@float@box\z@
18318   \ht\rot@float@box\z@

```



```

18319 \dp\rot@float@box\z@
18320 \vboxL to \textheight{%
18321 \setkeys{Grot}{units=360}%
18322 \if@rot@twoside
18323 \else
18324 \let\R@@page\rot@LR
18325 \fi
18326 \ifthenelse{\isodd{\R@@page}}{%
18327 \if@rot@twoside
18328 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
18329 \fi
18330 \vfill
18331 \@@line{%
18332 \hskip\rotFPtop
18333 \rotatebox{90}{\box\rot@float@box}%
18334 \hskip\rotFPbot
18335 }%
18336 }{%
18337 \if@rot@twoside
18338 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
18339 \fi
18340 \@@line{%
18341 \hskip\rotFPbot
18342 \rotatebox{-90}{\box\rot@float@box}%
18343 \hskip\rotFPtop
18344 }%
18345 \vfill
18346 }%
18347 \rot@message{\the\rot@mess@toks}
18348 }%
18349 \end@float
18350 }
18351 \let\endsidewaysfigure\end@rotfloat
18352 \let\endsidewaysstable\end@rotfloat
18353 \def\end@rotdblfloat{%
18354 \end{minipage}\end{lrbox}%
18355 \stepcounter{r@tfl@t}%
18356 \rot@label{RF\ther@tfl@t}%
18357 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
18358 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
18359 \rot@mess@toks\expandafter{\@tempa}
18360 \@tempdima\ht\rot@float@box
18361 \advance\@tempdima by \dp\rot@float@box
18362 \wd\rot@float@box\z@
18363 \ht\rot@float@box\z@
18364 \dp\rot@float@box\z@
18365 \vboxL to \textheight{%
18366 \setkeys{Grot}{units=360}%
18367 \if@rot@twoside
18368 \else
18369 \let\R@@page\rot@LR
18370 \fi
18371 \ifthenelse{\isodd{\R@@page}}{%
18372 \ifrot@messages

```



```

18373         \if@rot@twoside
18374 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
18375 \fi
18376     \fi
18377     \vfill
18378     \@@line{%
18379         \hskip\rotFPtop
18380         \rotatebox{90}{\box\rot@float@box}%
18381         \hskip\rotFPbot
18382     }%
18383 }{%
18384     \ifrot@messages
18385     \if@rot@twoside
18386 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
18387 \fi
18388     \fi%
18389     \@@line{%
18390         \hskip\rotFPbot
18391         \rotatebox{-90}{\box\rot@float@box}%
18392         \hskip\rotFPtop
18393     }%
18394     \vfill
18395 }%
18396 \rot@message{\the\rot@mess@toks}%
18397 }%
18398 \end@dblfloat
18399 }
18400 \def\turn#1{%
18401     \Grot@setangle{#1}%
18402     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18403 \def\endturn{%
18404     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18405     \unskip\color@endbox
18406     \Grot@x\z@
18407     \Grot@y\z@
18408     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18409 }
18410 \def\rotate#1{%
18411     \Grot@setangle{#1}%
18412     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18413 \def\endrotate{%
18414     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18415     \unskip\color@endbox
18416     \Grot@x\z@
18417     \Grot@y\z@
18418     \wd0\z@\dp0\z@\ht0\z@
18419     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18420 }
18421 \def\turnbox#1#2{%
18422     \Grot@setangle{#1}%
18423     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
18424     \Grot@x\z@\Grot@y\z@
18425     \wd0\z@\dp0\z@\ht0\z@
18426     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi

```




```

18427 }
18428 \def\sideways{%
18429   \Grot@setangle{90}%
18430   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18431 \def\endsideways{%
18432   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18433   \unskip\color@endbox
18434   \Grot@x\z@
18435   \Grot@y\z@
18436   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18437 }

```

124 File scrartcl-xetex-bidi.def

```

18438 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
18439 \newcommand{\scr@saved@LTRfootnotetext}{}
18440 \newcommand{\scr@saved@RTLfootnotetext}{}
18441 \let\scr@saved@footnotetext\@footnotetext
18442 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18443 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18444 \renewcommand{\@footnotetext}[1]{%
18445   \scr@saved@footnotetext{#1}%
18446   \csname FN@mfb@prepare\endcsname
18447 }
18448 \renewcommand{\@LTRfootnotetext}[1]{%
18449   \scr@saved@LTRfootnotetext{#1}%
18450   \csname FN@mfb@prepare\endcsname
18451 }
18452 \renewcommand{\@RTLfootnotetext}[1]{%
18453   \scr@saved@RTLfootnotetext{#1}%
18454   \csname FN@mfb@prepare\endcsname
18455 }
18456 \renewcommand\deffootnote[4][1]{%
18457   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
18458     \long\def\@makefntext##1{%
18459       \ExecuteDoHook{footnote/text/begin}%
18460       \raggedfootnote
18461       \if@RTL
18462         \rightskip
18463       \else
18464         \leftskip
18465       \fi
18466       #2
18467       \l@addto@macro\@trivlist{%
18468         \ifnum\@listdepth=\@ne
18469           \if@RTL
18470             \advance\rightmargin #2\relax
18471           \else
18472             \advance\leftmargin #2\relax
18473           \fi
18474         \fi
18475       }%
18476       \parindent #3\noindent
18477       \IfArgIsEmpty{#1}{}{}%

```



```

18478      \hskip \dimexpr #1-#2\relax
18479    }%
18480    \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18481    \ExecuteDoHook{footnote/text/end}%
18482  }%
18483  \else
18484    \ClassInfo{\KOMAClassName}{%
18485      Using old \string\@makefnmark\space due to compatibility
18486      level\MessageBreak
18487      less than 3.22}%
18488    \long\def\@makefnmark##1{%
18489      \setlength{\@tempdimc}{#3}%
18490      \def\@tempa{#1}\ifx\@tempa\@empty
18491        \@setpar{\@par
18492          \@tempdima = \hspace
18493          \addtolength{\@tempdima}{-#2}%
18494          \if@RTL
18495            \parshape \@ne \z@ \@tempdima
18496          \else
18497            \parshape \@ne #2 \@tempdima
18498          \fi}%
18499        \else
18500          \addtolength{\@tempdimc}{#2}%
18501          \addtolength{\@tempdimc}{-#1}%
18502          \@setpar{\@par
18503            \@tempdima = \hspace
18504            \addtolength{\@tempdima}{-#1}%
18505            \@tempdimb = \hspace
18506            \addtolength{\@tempdimb}{-#2}%
18507            \if@RTL
18508              \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
18509            \else
18510              \parshape \tw@ #1 \@tempdima #2 \@tempdimb
18511            \fi
18512          }%
18513        \fi
18514      \par
18515      \parindent\@tempdimc\noindent
18516      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18517    }%
18518  \fi
18519  \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18520 }
18521 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18522 \renewcommand*\left@footnoterule{%
18523   \normalsize\ftn@rule@test@values
18524   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18525   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18526   {\usekomafont{footnoterule}{%
18527     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18528   \kern 2.6\p@}
18529 \renewcommand*\right@footnoterule{%
18530   \normalsize\ftn@rule@test@values
18531   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

18532 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18533 {\usekomafont{footnoterule}{%
18534 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
18535 \kern 2.6\p@}}
18536 \renewcommand*\maketitle[1][1]{%
18537 \expandafter\ifnum \cscname scr@v@3.12\endcsname>\scr@compatibility\relax
18538 \else
18539 \def\and{%
18540 \end{tabular}%
18541 \hskip 1em \@plus.17fil%
18542 \begin{tabular}[t]{c}%
18543 }%
18544 \fi
18545 \if@titlepage
18546 \begin{titlepage}
18547 \setcounter{page}{%
18548 #1%
18549 }%
18550 \if@titlepageiscoverpage
18551 \edef\titlename@restore{%
18552 \noexpand\endgroup
18553 \noexpand\global\noexpand\@colht\the\@colht
18554 \noexpand\global\noexpand\@colroom\the\@colroom
18555 \noexpand\global\vsizethe\vsizethe
18556 \noexpand\global\noexpand\@titlepageiscoverpagefalse
18557 \noexpand\let\noexpand\titlename@restore\noexpand\relax
18558 }%
18559 \begingroup
18560 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
18561 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
18562 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
18563 \textwidth=\dimexpr
18564 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
18565 \textheight=\dimexpr
18566 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
18567 \headheight=0pt
18568 \headsep=0pt
18569 \footskip=\baselineskip
18570 \@colht=\textheight
18571 \@colroom=\textheight
18572 \vsizethe\textheight
18573 \columnwidth=\textwidth
18574 \hsizethe\columnwidth
18575 \linewidth=\hsizethe
18576 \else
18577 \let\titlename@restore\relax
18578 \fi
18579 \let\footnotesize\small
18580 \let\right@footnoterule\relax
18581 \let\left@footnoterule\relax
18582 \let\textwidth@footnoterule\relax
18583 \let\footnote\thanks
18584 \let\LTRfootnote\LTRthanks
18585 \let\RTLfootnote\RTLthanks

```



```

18586 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18587 \let\@oldmakefnmark\@makefnmark
18588 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18589 \ifx\@extratitle\@empty
18590 \ifx\@frontispiece\@empty
18591 \else
18592 \if@twoside\mbox{}\next@tpage\fi
18593 \noindent\@frontispiece\next@tdpage
18594 \fi
18595 \else
18596 \noindent\@extratitle
18597 \ifx\@frontispiece\@empty
18598 \else
18599 \next@tpage
18600 \noindent\@frontispiece
18601 \fi
18602 \next@tdpage
18603 \fi
18604 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
18605 \ifx\@titlehead\@empty \else
18606 \begin{minipage}[t]{\textwidth}%
18607 \usekomafont{titlehead}{\@titlehead\par}%
18608 \end{minipage}\par
18609 \fi
18610 \null\vfill
18611 \begin{center}
18612 \ifx\@subject\@empty \else
18613 {\usekomafont{subject}{\@subject\par}}%
18614 \vskip 3em
18615 \fi
18616 {\usekomafont{title}{\huge \@title\par}}%
18617 \vskip 1em
18618 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
18619 \vskip 2em
18620 {%
18621 \usekomafont{author}{%
18622 \lineskip 0.75em
18623 \begin{tabular}[t]{c}
18624 \@author
18625 \end{tabular}\par
18626 }%
18627 }%
18628 \vskip 1.5em
18629 {\usekomafont{date}{\@date \par}}%
18630 \vskip \z@ \@plus3fill
18631 {\usekomafont{publishers}{\@publishers \par}}%
18632 \vskip 3em
18633 \end{center}\par
18634 \@thanks\global\let\@thanks\@empty
18635 \vfill\null
18636 \if@twoside
18637 \@tempwattrue
18638 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
18639 \else

```



```

18640         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
18641             \@tempswafalse
18642         \fi\fi
18643     \fi
18644     \if@tempswa
18645         \next@tpage
18646         \begin{minipage}[t]{\textwidth}
18647             \@uppertitleback
18648         \end{minipage}\par
18649         \vfill
18650         \begin{minipage}[b]{\textwidth}
18651             \@lowertitleback
18652         \end{minipage}\par
18653         \@thanks\global\let\@thanks\@empty
18654     \fi
18655 \else
18656     \ifx\@uppertitleback\@empty\else
18657         \ClassWarning{\KOMAClassName}{%
18658             non empty \string\uppertitleback\space ignored
18659             by \string\maketitle\MessageBreak
18660             in `twoside=false' mode%
18661         }%
18662     \fi
18663     \ifx\@lowertitleback\@empty\else
18664         \ClassWarning{\KOMAClassName}{%
18665             non empty \string\lowertitleback\space ignored
18666             by \string\maketitle\MessageBreak
18667             in `twoside=false' mode%
18668         }%
18669     \fi
18670 \fi
18671 \ifx\@dedication\@empty
18672 \else
18673     \next@tdpage\null\vfill
18674     {\centering\usekomafont{dedication}{\@dedication \par}}%
18675     \vskip \z@ \@plus3fill
18676     \@thanks\global\let\@thanks\@empty
18677     \cleardoubleemptypage
18678 \fi
18679 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
18680 \end{titlepage}
18681 \else
18682     \par
18683     \@tempcnta=%
18684     #1%
18685     \relax\ifnum\@tempcnta=1\else
18686         \ClassWarning{\KOMAClassName}{%
18687             Optional argument of \string\maketitle\space ignored\MessageBreak
18688             in `titlepage=false' mode%
18689         }%
18690     \fi
18691     \ifx\@uppertitleback\@empty\else
18692         \ClassWarning{\KOMAClassName}{%
18693             non empty \string\uppertitleback\space ignored

```



```

18694         by \string\maketitle\MessageBreak
18695         in `titlepage=false' mode%
18696     }%
18697 \fi
18698 \ifx\@lowertitleback\@empty\else
18699     \ClassWarning{\KOMAClassName}{%
18700         non empty \string\lowertitleback\space ignored
18701         by \string\maketitle\MessageBreak
18702         in `titlepage=false' mode%
18703     }%
18704 \fi
18705 \begingroup
18706     \let\titlepage@restore\relax
18707     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18708     \let\@oldmakefnmark\@makefnmark
18709     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
18710     \next@tdpage
18711     \if@twocolumn
18712         \ifnum \col@number=\@one
18713             \ifx\@extratitle\@empty
18714                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18715             \else
18716                 \@makeextratitle
18717             \fi
18718             \ifx\@frontispiece\@empty
18719                 \ifx\@extratitle\@empty\else\next@tdpage\fi
18720             \else
18721                 \next@tpage
18722                 \@makefrontispiece
18723                 \next@tdpage
18724             \fi
18725             \@maketitle
18726         \else
18727             \ifx\@extratitle\@empty
18728                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
18729             \else
18730                 \twocolumn[\@makeextratitle]%
18731             \fi
18732             \ifx\@frontispiece\@empty
18733                 \ifx\@extratitle\@empty\else\next@tdpage\fi
18734             \else
18735                 \next@tpage
18736                 \twocolumn[\@makefrontispiece]%
18737                 \next@tdpage
18738             \fi
18739             \twocolumn[\@maketitle]%
18740         \fi
18741     \else
18742         \ifx\@extratitle\@empty
18743             \ifx\@frontispiece\@empty\else \mbox{}\fi
18744         \else
18745             \@makeextratitle
18746         \fi
18747         \ifx\@frontispiece\@empty

```



```

18748         \ifx\@extratitle\@empty\else\next@tdpage\fi
18749     \else
18750         \next@tpage
18751         \@makefrontispiece
18752         \next@tdpage
18753     \fi
18754     \@maketitle
18755 \fi
18756 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
18757 \@thanks\global\let\@thanks\@empty
18758 \endgroup
18759 \fi
18760 \setcounter{footnote}{0}%
18761 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
18762     \let\thanks\relax
18763     \let\LTRthanks\relax
18764     \let\RTLthanks\relax
18765     \let\maketitle\relax
18766     \let\@maketitle\relax
18767     \global\let\@thanks\@empty
18768     \global\let\@author\@empty
18769     \global\let\@date\@empty
18770     \global\let\@title\@empty
18771     \global\let\@subtitle\@empty
18772     \global\let\@extratitle\@empty
18773     \global\let\@frontispiece\@empty
18774     \global\let\@titlehead\@empty
18775     \global\let\@subject\@empty
18776     \global\let\@publishers\@empty
18777     \global\let\@uppertitleback\@empty
18778     \global\let\@lowertitleback\@empty
18779     \global\let\@dedication\@empty
18780     \global\let\author\relax
18781     \global\let\title\relax
18782     \global\let\extratitle\relax
18783     \global\let\titlehead\relax
18784     \global\let\subject\relax
18785     \global\let\publishers\relax
18786     \global\let\uppertitleback\relax
18787     \global\let\lowertitleback\relax
18788     \global\let\dedication\relax
18789     \global\let\date\relax
18790 \fi
18791 \global\let\and\relax
18792 }%
18793 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18794 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
18795 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18796 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
18797 \renewcommand*\thesubsubsection{\%
18798 \thesubsection\@SepMark\@arabic\c@subsubsection
18799 }
18800 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18801 \renewcommand*\thesubparagraph{\%

```



```

18802 \theparagraph\@SepMark\@arabic\c@subparagraph
18803 }
18804 \renewenvironment{thebibliography}[1]{%
18805   \if@bib@break@
18806     \bib@beginhook
18807   \else
18808     \bib@heading
18809     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18810       \noindent\bibpreamble\par\nobreak
18811     \fi\fi
18812     \bib@beginhook
18813     \bib@before@hook
18814   \fi
18815   \renewcommand{\BreakBibliography}[1]{%
18816     \@bib@break
18817     \end{thebibliography}%
18818     \begingroup ##1\endgroup
18819     \begin{thebibliography}{#1}
18820   }%
18821   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18822   \bidi@thebibliography@font@hook%
18823   \list{%
18824     \@biblabel{\@arabic\c@enumiv}%
18825   }{%
18826     \settowidth\labelwidth{\@biblabel{#1}}%
18827     \leftmargin\labelwidth
18828     \advance\leftmargin\labelsep
18829     \@openbib@code
18830     \if@bib@break@
18831       \edef\@tempa{%
18832         \noexpand\usecounter{enumiv}%
18833         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18834       }\@tempa
18835       \no@bib@break
18836     \else
18837       \usecounter{enumiv}%
18838     \fi
18839     \let\p@enumiv\@empty
18840     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18841   }%
18842   \sloppy\clubpenalty4000 \widowpenalty4000
18843   \sfcode`\.=\@m
18844 }{%
18845   \if@bib@break@
18846     \def\@noitemerr{%
18847       \@latex@warning{%
18848         \string\BreakBibliography\space at begin of `thebibliography'
18849         environment\MessageBreak
18850         or following \string\BreakBibliography}%
18851     }%
18852   \else
18853     \def\@noitemerr{%
18854       \@latex@warning{%
18855         Empty `thebibliography' environment or

```




```

18856         \string\BreakBibliography\MessageBreak
18857         before end of `thebibliography' environment}%
18858     }%
18859 \fi
18860 \endlist
18861 \if@bib@break@
18862 \else
18863     \bib@after@hook
18864     \let\bib@before@hook\@empty
18865     \let\bib@after@hook\@empty
18866 \fi
18867 \bib@endhook
18868 }
18869 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18870 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18871 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18872 \renewcommand\marginline[1]{%
18873     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
18874 }
18875 \renewcommand{\@@makecaption}[3]{%
18876     \cap@margin
18877     \begingroup
18878     \ifonelinecaptions
18879         \def\stepcounter##1{\advance\value{##1}\@one}%
18880         \let\refstepcounter\stepcounter
18881         \let\label\@gobble
18882         \let\@footnotetext=\@gobble
18883         \let\@LTRfootnotetext=\@gobble
18884         \let\@RTLfootnotetext=\@gobble
18885         \let\hypertarget\@gobbletwo
18886         \edef\@xnewline{%
18887             \unexpanded{\ClassInfo{\KOMAClassName}}{%
18888                 Workaround for not recommended usage of \string\\ or\MessageBreak
18889                 \string\newline in caption text
18890             }%
18891             \hspace*{\linewidth}\hspace{1sp}%
18892             }%
18893             \unexpanded\expandafter{\@xnewline}%
18894         }%
18895         \edef\@xcentercr{%
18896             \unexpanded{\ClassInfo{\KOMAClassName}}{%
18897                 Workaround for not recommended usage of \string\\ or\MessageBreak
18898                 \string\newline in caption text
18899             }%
18900             \hspace*{\linewidth}\hspace{1sp}%
18901             }%
18902             \unexpanded\expandafter{\@xcentercr}%
18903         }%
18904         \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
18905         \ifdim\@tempdima>\cap@width
18906             \aftergroup\scr@makemultilinecaption
18907         \else
18908             \aftergroup\scr@makesinglelinecaption
18909         \fi

```



```

18910     \else
18911         \aftergroup\scr@makemultilinecaption
18912     \fi
18913 \endgroup
18914 {#1}{#2}{#3}%
18915 }
18916 \renewcommand{\scr@makesinglelinecaption}[3]{%
18917     {%
18918         \usefontofkomafont{caption}{%
18919             \hb@xt@ \hsize{%
18920                 \cap@left
18921                 \if@RTL
18922                     \beginR
18923                     \fi
18924                 \scr@@makesinglelinecaption{#1}{#2}{#3}%
18925                 \if@RTL
18926                     \endR
18927                 \fi
18928                 \cap@right
18929             }\par\kern\dp\strutbox%
18930         }%
18931     }\kern-\dp\strutbox
18932 }
18933 \renewcommand{\@makecaption}[2]{%
18934     \if@captionabove
18935         \vskip\belowcaptionskip
18936     \else
18937         \vskip\abovecaptionskip
18938     \fi
18939     \@makecaption\@firstofone{#1}{#2}%
18940     \if@captionabove
18941         \vskip\abovecaptionskip
18942     \else
18943         \vskip\belowcaptionskip
18944     \fi
18945 }
18946
18947 \renewcommand{\scr@@makesinglelinecaption}[3]{%
18948     {\usekomafont{caption}{\strut\ignorespaces
18949         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
18950         \ignorespaces #3\unskip}}%
18951 }
18952
18953 \renewcommand{\scr@makemultilinecaption}[3]{%
18954     {%
18955         \usefontofkomafont{caption}{%
18956             \hb@xt@ \hsize{%
18957                 \cap@left
18958                 \vbox{\hsize\cap@width\linewidth\hsize
18959                     \scr@ifundefinedorrelax{@capytype}{%
18960                         \ClassWarning{\KOMAClassName}{%
18961                             `string\caption' outside float.\MessageBreak
18962                             Seems you are using `string\caption' outside a
18963                             float.\MessageBreak

```



```

18964         Maybe you are using a package that uses
18965         `\'string\'@makecaption\'\'MessageBreak
18966         without setting `\'string\'@captype\' before.\MessageBreak
18967         Because I cannot detect the caption type, I'm using\MessageBreak
18968         the empty one.%
18969     }%
18970     \let\'@captype\'@empty
18971 }{}%
18972 \scr@ifundefinedorrelax{ragged\'@captype caption}{\'raggedcaption}{%
18973     \'@nameuse{ragged\'@captype caption}%
18974 }%
18975 \ifdofullc@p
18976     \'@hangfrom{%
18977         \'strut
18978         \'scr@smashdp{%
18979             #1{%
18980                 \'usekomafont{caption}{%
18981                     \'usekomafont{captionlabel}{#2\'captionformat}%
18982                 }%
18983             }%
18984         }%
18985     }%
18986     {{\'usekomafont{caption}{#3\'scr@endstrut}}\'par}%
18987 \else
18988     \'ifdim\'cap@indent<\z@
18989         \'strut
18990         #1{%
18991             {\'usekomafont{caption}{%
18992                 \'usekomafont{captionlabel}{#2\'captionformat}%
18993             }%
18994         }\'par}%
18995         \'noindent{{\'usekomafont{caption}{%
18996             \'hspace*{-\'cap@indent}#3\'scr@endstrut
18997         }}\'par}%
18998 \else
18999     \'if@capbreak
19000         \'strut
19001         #1{%
19002             {\'usekomafont{caption}{%
19003                 \'usekomafont{captionlabel}{#2\'captionformat}%
19004             }%
19005         }\'par}%
19006         \'noindent\'@hangfrom{{\'hspace*{-\'cap@indent}}%
19007         {{\'usekomafont{caption}{#3\'scr@endstrut}}\'par}%
19008 \else
19009     \'@hangfrom{{\'scr@smashdp\'strut\'hspace*{-\'cap@indent}}%
19010     {%
19011         \'hspace*{-\'cap@indent}%
19012         \'scr@smashdp{%
19013             #1{\'usekomafont{caption}{%
19014                 \'usekomafont{captionlabel}{#2\'captionformat}%
19015             }%
19016         }%
19017     }%

```



```

19018         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19019     }%
19020     \fi
19021     \fi
19022     \fi
19023 }%
19024     \cap@right
19025 } \par \kern \dp \strutbox
19026 }%
19027 } \kern - \dp \strutbox
19028 }
19029
19030 \bidi@AfterFile{longtable-xetex-bidi.def}{%
19031   \if@komalongtable
19032     \renewcommand{\LT@makecaption}[3]{%
19033       \noalign{%
19034         \if@captionabove
19035           \vskip\belowcaptionskip
19036         \else
19037           \vskip\abovecaptionskip
19038         \fi
19039       }%
19040       \LT@mc\LT@cols c{%
19041         \hbox to\z@{\hss\parbox[t]{\linewidth}{%
19042           \def\@capytype{table}%
19043           \@@makecaption{#1}{#2}{#3}%
19044           \endgraf
19045           \if@captionabove
19046             \vskip\abovecaptionskip
19047           \else
19048             \vskip\belowcaptionskip
19049           \fi
19050         }%
19051         \hss
19052       }%
19053     }%
19054   }%
19055   \renewcommand*{\scr@LT@array}{}%
19056   \let\scr@LT@array=\LT@array
19057   \renewcommand*{\LT@array}{%
19058     \let\scr@caption=\LT@caption
19059     \def\captionabove{\noalign{\global\@captionabovetrue}%
19060       \scr@caption}%
19061     \def\captionbelow{\noalign{\global\@captionabovetrue}%
19062       \scr@caption}%
19063     \if@tablecaptionabove
19064       \let\LT@caption=\captionabove
19065     \else
19066       \let\LT@caption=\captionbelow
19067     \fi
19068     \scr@LT@array
19069   }%
19070   \ClassInfo{\KOMAClassName}{%
19071     longtable captions redefined%

```



```

19072     }%
19073   \fi
19074 }
19075
19076 \CloneTOCEntryStyle{tocline}{part}
19077 \TOCEntryStyleStartInitCode{part}{%
19078   \expandafter\renewcommand%
19079   \csname scr@tso@#1@linefill\endcsname{\hfill}%
19080   \expandafter\renewcommand%
19081   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
19082   \expandafter\renewcommand%
19083   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19084     {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
19085   \expandafter\renewcommand\expandafter*%
19086   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
19087 }
19088
19089 \CloneTOCEntryStyle{tocline}{section}
19090 \TOCEntryStyleStartInitCode{section}{%
19091   \expandafter\renewcommand%
19092   \csname scr@tso@#1@linefill\endcsname{%
19093     \if@sectionentrywithdots
19094       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
19095     \else
19096       \hfill
19097     \fi
19098   }%
19099   \expandafter\renewcommand%
19100   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
19101   \expandafter\renewcommand%
19102   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
19103     \expandafter\renewcommand\expandafter*%
19104     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
19105   }
19106
19107   \CloneTOCEntryStyle{tocline}{subsection}
19108   \TOCEntryStyleStartInitCode{subsection}{%
19109     \expandafter\renewcommand%
19110     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19111     \expandafter\renewcommand%
19112     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19113       {\normalfont\normalcolor ##1}}%
19114   }
19115
19116 \CloneTOCEntryStyle{subsection}{default}
19117
19118 \DeclareSectionCommand[%
19119   style=section,%
19120   level=1,%
19121   indent=\z@,%
19122   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
19123   afterskip=2.3ex \@plus.2ex,%
19124   tocstyle=section,%
19125   tocindent=0pt,%

```



```

19126   tocnumwidth=1.5em%
19127 ]{section}
19128 \DeclareSectionCommand[%
19129   style=part,%
19130   level=\z@,%
19131   tocstyle=part,%
19132   toplevel=\m@ne,%
19133   tocindent=\z@,%
19134   tocnumwidth=2em%
19135 ]{part}
19136 \DeclareSectionCommand[%
19137   style=section,%
19138   level=2,%
19139   indent=\z@,%
19140   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
19141   afterskip=1.5ex \@plus .2ex,%
19142   tocstyle=subsection,%
19143   tocindent=1.5em,%
19144   tocnumwidth=2.3em%
19145 ]{subsection}
19146 \DeclareSectionCommand[%
19147   style=section,%
19148   level=3,%
19149   indent=\z@,%
19150   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
19151   afterskip=1.5ex \@plus .2ex,%
19152   tocstyle=subsection,%
19153   tocindent=3.8em,%
19154   tocnumwidth=3.2em%
19155 ]{subsubsection}
19156 \DeclareSectionCommand[%
19157   style=section,%
19158   level=4,%
19159   indent=\z@,%
19160   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
19161   afterskip=-1em,%
19162   tocstyle=subsection,%
19163   tocindentfollows=subsubsection,%
19164   tocindent=7.0em,%
19165   tocnumwidth=4.1em%
19166 ]{paragraph}
19167 \DeclareSectionCommand[%
19168   style=section,%
19169   level=5,%
19170   indent=\scr@parindent,%
19171   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
19172   afterskip=-1em,%
19173   tocstyle=subsection,%
19174   tocindent=10em,%
19175   tocnumwidth=5em%
19176 ]{subparagraph}

```

125 File scrbook-xetex-bidi.def



```

19177 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
19178 \newcommand{\scr@saved@LTRfootnotetext}{}
19179 \newcommand{\scr@saved@RTLfootnotetext}{}
19180 \let\scr@saved@footnotetext\@footnotetext
19181 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19182 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19183 \renewcommand{\@footnotetext}[1]{%
19184   \scr@saved@footnotetext{#1}%
19185   \csname FN@mfb@prepare\endcsname
19186 }
19187 \renewcommand{\@LTRfootnotetext}[1]{%
19188   \scr@saved@LTRfootnotetext{#1}%
19189   \csname FN@mfb@prepare\endcsname
19190 }
19191 \renewcommand{\@RTLfootnotetext}[1]{%
19192   \scr@saved@RTLfootnotetext{#1}%
19193   \csname FN@mfb@prepare\endcsname
19194 }
19195 \renewcommand\deffootnote[4][]{%
19196   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19197     \long\def\@makefnmark##1{%
19198       \ExecuteDoHook{footnote/text/begin}%
19199       \raggedfootnote
19200       \if@RTL
19201         \rightskip
19202       \else
19203         \leftskip
19204       \fi
19205       #2
19206       \l@addto@macro\@trivlist{%
19207         \ifnum\@listdepth=\@one\advance
19208           \if@RTL
19209             \rightmargin #2\relax
19210           \else
19211             \leftmargin #2\relax
19212           \fi
19213         \fi
19214       }%
19215       \parindent #3\noindent
19216       \IfArgIsEmpty{#1}{}{%
19217         \hskip \dimexpr #1-#2\relax
19218       }%
19219       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19220       \ExecuteDoHook{footnote/text/end}%
19221     }%
19222   \else
19223     \ClassInfo{\KOMAClassName}{%
19224       Using old \string\@makefnmark\space due to compatibility
19225       level\MessageBreak
19226       less than 3.22}%
19227     \long\def\@makefnmark##1{%
19228       \setlength{\@tempdimc}{#3}%
19229       \def\@tempa{#1}\ifx\@tempa\@empty
19230         \setpar{\@par

```



```

19231      \@tempdima = \hsize
19232      \addtolength{\@tempdima}{-#2}%
19233      \if@RTL
19234        \parshape \@ne \z@ \@tempdima
19235      \else
19236        \parshape \@ne #2 \@tempdima
19237      \fi
19238    }%
19239  \else
19240    \addtolength{\@tempdimc}{#2}%
19241    \addtolength{\@tempdimc}{-#1}%
19242    \@setpar{\@par
19243      \@tempdima = \hsize
19244      \addtolength{\@tempdima}{-#1}%
19245      \@tempdimb = \hsize
19246      \addtolength{\@tempdimb}{-#2}%
19247      \if@RTL
19248        \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19249      \else
19250        \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19251      \fi
19252    }%
19253  \fi
19254  \par
19255  \parindent\@tempdimc\noindent
19256  \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19257 }%
19258 \fi
19259 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
19260 }
19261 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19262 \renewcommand*\left@footnoterule{%
19263   \normalsize\ftn@rule@test@values
19264   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19265   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19266   {\usekomafont{footnoterule}{%
19267     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
19268   \kern 2.6\p@}
19269 \renewcommand*\right@footnoterule{%
19270   \normalsize\ftn@rule@test@values
19271   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19272   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19273   {\usekomafont{footnoterule}{%
19274     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
19275     \kern 2.6\p@}
19276   \renewcommand*\maketitle[1][1]{%
19277     \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19278     \else
19279       \def\and{%
19280         \end{tabular}%
19281         \hspace 1em \@plus.17fil%
19282         \begin{tabular}[t]{c}%
19283       }%
19284     \fi

```




```

19285 \if@titlepage
19286   \begin{titlepage}
19287     \setcounter{page}{%
19288       #1%
19289     }%
19290   \if@titlepageiscoverpage
19291     \edef\titlepage@restore{%
19292       \noexpand\endgroup
19293       \noexpand\global\noexpand\@colht\the\@colht
19294       \noexpand\global\noexpand\@colroom\the\@colroom
19295       \noexpand\global\vsizethe\vsizethe
19296       \noexpand\global\noexpand\@titlepageiscoverpagefalse
19297       \noexpand\let\noexpand\titlepage@restore\noexpand\relax
19298     }%
19299     \begingroup
19300     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19301     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19302     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19303     \textwidth=\dimexpr
19304     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19305     \textheight=\dimexpr
19306     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19307     \headheight=0pt
19308     \headsep=0pt
19309     \footskip=\baselineskip
19310     \@colht=\textheight
19311     \@colroom=\textheight
19312     \vsizethe\textheight
19313     \columnwidth=\textwidth
19314     \hsizethe\columnwidth
19315     \linewidth=\hsizethe
19316   \else
19317     \let\titlepage@restore\relax
19318   \fi
19319   \let\footnotesize\small
19320   \let\right@footnoterule\relax
19321   \let\left@footnoterule\relax
19322   \let\textwidth@footnoterule\relax
19323   \let\footnote\thanks
19324   \let\LTRfootnote\LTRthanks
19325   \let\RTLfootnote\RTLthanks
19326   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19327   \let\@oldmakefnmark\@makefnmark
19328   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
19329   \ifx\@extratitle\@empty
19330     \ifx\@frontispiece\@empty
19331       \else
19332         \if@twoside\mbox{}\next@tpage\fi
19333         \noindent\@frontispiece\next@tdpage
19334       \fi
19335     \else
19336       \noindent\@extratitle
19337       \ifx\@frontispiece\@empty
19338         \else

```



```

19339         \next@tpage
19340         \noindent\@frontispiece
19341     \fi
19342     \next@tdpage
19343 \fi
19344 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
19345 \ifx\@titlehead\@empty \else
19346     \begin{minipage}[t]{\textwidth}%
19347         \usekomafont{titlehead}{\@titlehead\par}%
19348     \end{minipage}\par
19349 \fi
19350 \null\vfill
19351 \begin{center}
19352     \ifx\@subject\@empty \else
19353         {\usekomafont{subject}{\@subject\par}}%
19354         \vskip 3em
19355     \fi
19356     {\usekomafont{title}{\huge \@title\par}}%
19357     \vskip 1em
19358     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19359     \vskip 2em
19360     {%
19361         \usekomafont{author}{%
19362             \lineskip 0.75em
19363             \begin{tabular}[t]{c}
19364                 \@author
19365             \end{tabular}\par
19366         }%
19367     }%
19368     \vskip 1.5em
19369     {\usekomafont{date}{\@date \par}}%
19370     \vskip \z@ \@plus3fill
19371     {\usekomafont{publishers}{\@publishers \par}}%
19372     \vskip 3em
19373 \end{center}\par
19374 \@thanks\global\let\@thanks\@empty
19375 \vfill\null
19376 \if@twoside
19377     \@tempswatrue
19378     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
19379     \else
19380         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19381             \@tempswafalse
19382         \fi\fi
19383     \fi
19384     \if@tempswa
19385         \next@tpage
19386         \begin{minipage}[t]{\textwidth}
19387             \@uppertitleback
19388         \end{minipage}\par
19389         \vfill
19390         \begin{minipage}[b]{\textwidth}
19391             \@lowertitleback
19392         \end{minipage}\par

```



```

19393         \@thanks\global\let\@thanks\@empty
19394     \fi
19395 \else
19396     \ifx\@uppertitleback\@empty\else
19397         \ClassWarning{\KOMAClassName}{%
19398             non empty \string\uppertitleback\space ignored
19399             by \string\maketitle\MessageBreak
19400             in `twoside=false' mode%
19401         }%
19402     \fi
19403     \ifx\@lowertitleback\@empty\else
19404         \ClassWarning{\KOMAClassName}{%
19405             non empty \string\lowertitleback\space ignored
19406             by \string\maketitle\MessageBreak
19407             in `twoside=false' mode%
19408         }%
19409     \fi
19410 \fi
19411 \ifx\@dedication\@empty
19412 \else
19413     \next@tdpage\null\vfill
19414     {\centering\usekomafont{dedication}{\@dedication \par}}%
19415     \vskip \z@ \@plus3fill
19416     \@thanks\global\let\@thanks\@empty
19417     \cleardoubleemptypage
19418 \fi
19419 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
19420 \end{titlepage}
19421 \else
19422     \par
19423     \@tempcnta=%
19424     #1%
19425     \relax\ifnum\@tempcnta=1\else
19426         \ClassWarning{\KOMAClassName}{%
19427             Optional argument of \string\maketitle\space ignored\MessageBreak
19428             in `titlepage=false' mode%
19429         }%
19430     \fi
19431     \ifx\@uppertitleback\@empty\else
19432         \ClassWarning{\KOMAClassName}{%
19433             non empty \string\uppertitleback\space ignored
19434             by \string\maketitle\MessageBreak
19435             in `titlepage=false' mode%
19436         }%
19437     \fi
19438     \ifx\@lowertitleback\@empty\else
19439         \ClassWarning{\KOMAClassName}{%
19440             non empty \string\lowertitleback\space ignored
19441             by \string\maketitle\MessageBreak
19442             in `titlepage=false' mode%
19443         }%
19444     \fi
19445 \begingroup
19446     \let\titlepage@restore\relax

```



```

19447 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19448 \let\@oldmakefnmark\@makefnmark
19449 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
19450 \next@tdpage
19451 \if@twocolumn
19452   \ifnum \col@number=\@one
19453     \ifx\@extratitle\@empty
19454       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19455     \else
19456       \@makeextratitle
19457     \fi
19458     \ifx\@frontispiece\@empty
19459       \ifx\@extratitle\@empty\else\next@tdpage\fi
19460     \else
19461       \next@tpage
19462       \@makefrontispiece
19463       \next@tdpage
19464     \fi
19465     \@maketitle
19466   \else
19467     \ifx\@extratitle\@empty
19468       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19469     \else
19470       \twocolumn[\@makeextratitle]%
19471     \fi
19472     \ifx\@frontispiece\@empty
19473       \ifx\@extratitle\@empty\else\next@tdpage\fi
19474     \else
19475       \next@tpage
19476       \twocolumn[\@makefrontispiece]%
19477       \next@tdpage
19478     \fi
19479     \twocolumn[\@maketitle]%
19480   \fi
19481 \else
19482   \ifx\@extratitle\@empty
19483     \ifx\@frontispiece\@empty\else \mbox{}\fi
19484   \else
19485     \@makeextratitle
19486   \fi
19487   \ifx\@frontispiece\@empty
19488     \ifx\@extratitle\@empty\else\next@tdpage\fi
19489   \else
19490     \next@tpage
19491     \@makefrontispiece
19492     \next@tdpage
19493   \fi
19494   \@maketitle
19495 \fi
19496 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
19497 \@thanks\global\let\@thanks\@empty
19498 \endgroup
19499 \fi
19500 \setcounter{footnote}{0}%

```



```

19501 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19502 \let\thanks\relax
19503 \let\LTRthanks\relax
19504 \let\RTLthanks\relax
19505 \let\maketitle\relax
19506 \let\@maketitle\relax
19507 \global\let\@thanks\@empty
19508 \global\let\@author\@empty
19509 \global\let\@date\@empty
19510 \global\let\@title\@empty
19511 \global\let\@subtitle\@empty
19512 \global\let\@extratitle\@empty
19513 \global\let\@frontispiece\@empty
19514 \global\let\@titlehead\@empty
19515 \global\let\@subject\@empty
19516 \global\let\@publishers\@empty
19517 \global\let\@uppertitleback\@empty
19518 \global\let\@lowertitleback\@empty
19519 \global\let\@dedication\@empty
19520 \global\let\author\relax
19521 \global\let\title\relax
19522 \global\let\extratitle\relax
19523 \global\let\titlehead\relax
19524 \global\let\subject\relax
19525 \global\let\publishers\relax
19526 \global\let\uppertitleback\relax
19527 \global\let\lowertitleback\relax
19528 \global\let\dedication\relax
19529 \global\let\date\relax
19530 \fi
19531 \global\let\and\relax
19532 }%
19533 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
19534 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
19535 \renewcommand*\thesection{%
19536 \expandafter\ifnum\scr@v@is@gt{2.97d}%
19537 \if@mainmatter\thechapter\@SepMark\fi
19538 \else
19539 \thechapter\@SepMark%
19540 \fi
19541 \@arabic\c@section
19542 }
19543 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
19544 \renewcommand*{\thesubsubsection}{%
19545 \thesubsection\@SepMark\@arabic\c@subsubsection
19546 }
19547 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19548 \renewcommand*{\thesubparagraph}{%
19549 \theparagraph\@SepMark\@arabic\c@subparagraph
19550 }
19551 \expandafter\ifnum\scr@v@is@le{2.97d}%
19552 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
19553 \fi
19554 \expandafter\ifnum\scr@v@is@le{2.97d}%

```



```

19555 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
19556 \fi
19557 \renewcommand*\theequation{%
19558   \expandafter\ifnum\scr@v@is@gt{2.97d}%
19559   \if@mainmatter\thechapter\@SepMark\fi
19560   \else
19561     \thechapter\@SepMark%
19562   \fi
19563   \@arabic\c@equation
19564 }
19565 \renewenvironment{thebibliography}[1]{%
19566   \if@bib@break@
19567     \bib@beginhook
19568   \else
19569     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
19570       \setchapterpreamble{\bibpreamble}%
19571     \fi\fi
19572     \bib@heading
19573     \bib@beginhook
19574     \bib@before@hook
19575   \fi
19576   \renewcommand{\BreakBibliography}[1]{%
19577     \@bib@break
19578     \end{thebibliography}%
19579     \begingroup ##1\endgroup
19580     \begin{thebibliography}{#1}
19581   }%
19582   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19583   \bidi@thebibliography@font@hook%
19584   \list{%
19585     \@biblabel{\@arabic\c@enumiv}%
19586   }{%
19587     \settowidth\labelwidth{\@biblabel{#1}}%
19588     \leftmargin\labelwidth
19589     \advance\leftmargin\labelsep
19590     \@openbib@code
19591     \if@bib@break@
19592       \edef\@tempa{%
19593         \noexpand\usecounter{enumiv}%
19594         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
19595       }\@tempa
19596       \no@bib@break
19597     \else
19598       \usecounter{enumiv}%
19599     \fi
19600     \let\p@enumiv\@empty
19601     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
19602   }%
19603   \sloppy\clubpenalty4000 \widowpenalty4000
19604   \sfcode`\.=\@m
19605 }{%
19606   \if@bib@break@
19607     \def\@noitemerr{%
19608       \@latex@warning{%

```



```

19609     \string\BreakBibliography\space at begin of `thebibliography'
19610     environment\MessageBreak
19611     or following \string\BreakBibliography}%
19612 }%
19613 \else
19614     \def\@noitemerr{%
19615         \@latex@warning{%
19616             Empty `thebibliography' environment or
19617             \string\BreakBibliography\MessageBreak
19618             before end of `thebibliography' environment}%
19619     }%
19620 \fi
19621 \endlist
19622 \if@bib@break@
19623 \else
19624     \bib@after@hook
19625     \let\bib@before@hook\@empty
19626     \let\bib@after@hook\@empty
19627 \fi
19628 \bib@endhook
19629 }
19630 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
19631 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
19632 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
19633 \renewcommand\marginline[1]{%
19634     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
19635 }
19636 \renewcommand{\@@makecaption}[3]{%
19637     \cap@margin
19638     \begingroup
19639         \ifonelinecaptions
19640             \def\stepcounter##1{\advance\value{##1}\@one}%
19641             \let\refstepcounter\stepcounter
19642             \let\label\@gobble
19643             \let\@footnotetext=\@gobble
19644             \let\@LTRfootnotetext=\@gobble
19645             \let\@RTLfootnotetext=\@gobble
19646             \let\hypertarget\@gobbletwo
19647             \edef\xnewline{%
19648                 \unexpanded{\ClassInfo{\KOMAClassName}{%
19649                     Workaround for not recommended usage of \string\\ or\MessageBreak
19650                     \string\newline in caption text
19651                 }}%
19652                 \hspace*{\linewidth}\hspace{1sp}%
19653             }%
19654             \unexpanded\expandafter{\xnewline}%
19655         }%
19656         \edef\@xcentercr{%
19657             \unexpanded{\ClassInfo{\KOMAClassName}{%
19658                 Workaround for not recommended usage of \string\\ or\MessageBreak
19659                 \string\newline in caption text
19660             }}%
19661             \hspace*{\linewidth}\hspace{1sp}%
19662         }%

```



```

19663         \unexpanded\expandafter{\@xcentercr}%
19664     }%
19665     \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
19666     \ifdim\@tempdima>\cap@width
19667         \aftergroup\scr@makemultilinecaption
19668     \else
19669         \aftergroup\scr@makesinglelinecaption
19670     \fi
19671 \else
19672     \aftergroup\scr@makemultilinecaption
19673 \fi
19674 \endgroup
19675 {#1}{#2}{#3}%
19676 }
19677 \renewcommand{\scr@makesinglelinecaption}[3]{%
19678     {%
19679         \usefontofkomafont{caption}{%
19680             \hb@xt@ \hsizex{%
19681                 \cap@left
19682                 \if@RTL
19683                     \beginR
19684                     \fi
19685                 \scr@makesinglelinecaption{#1}{#2}{#3}%
19686                 \if@RTL
19687                     \endR
19688                 \fi
19689                 \cap@right
19690             }\par\kern\dp\strutbox%
19691         }%
19692     }\kern-\dp\strutbox
19693 }
19694 \renewcommand{\@makecaption}[2]{%
19695     \if@captionabove
19696         \vskip\belowcaptionskip
19697     \else
19698         \vskip\abovecaptionskip
19699     \fi
19700     \@makecaption\@firstofone{#1}{#2}%
19701     \if@captionabove
19702         \vskip\abovecaptionskip
19703     \else
19704         \vskip\belowcaptionskip
19705     \fi
19706 }
19707
19708 \renewcommand{\scr@makesinglelinecaption}[3]{%
19709     {\usekomafont{caption}{\strut\ignorespaces
19710         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
19711         \ignorespaces #3\unskip}}%
19712 }
19713
19714 \renewcommand{\scr@makemultilinecaption}[3]{%
19715     {%
19716         \usefontofkomafont{caption}{%

```




```

19717 \hb@xt@\hsize{%
19718 \cap@left
19719 \vbox{\hsize\cap@width\linewidth\hsize
19720 \scr@ifundefinedorrelax{@captype}{%
19721 \ClassWarning{\KOMAClassName}{%
19722 `string\caption' outside float.\MessageBreak
19723 Seems you are using `string\caption' outside a
19724 float.\MessageBreak
19725 Maybe you are using a package that uses
19726 `string\@makecaption'\MessageBreak
19727 without setting `string\@captype' before.\MessageBreak
19728 Because I cannot detect the caption type, I'm using\MessageBreak
19729 the empty one.%
19730 }%
19731 \let\@captype\@empty
19732 }{}%
19733 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
19734 \@nameuse{ragged\@captype caption}%
19735 }%
19736 \ifdofullc@p
19737 \hangfrom{%
19738 \strut
19739 \scr@smashdp{%
19740 #1{%
19741 \usekomafont{caption}{%
19742 \usekomafont{captionlabel}{#2\captionformat}%
19743 }%
19744 }%
19745 }%
19746 }%
19747 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19748 \else
19749 \ifdim\cap@indent<\z@
19750 \strut
19751 #1{%
19752 {\usekomafont{caption}{%
19753 \usekomafont{captionlabel}{#2\captionformat}%
19754 }%
19755 }\par}%
19756 \noindent{{\usekomafont{caption}{%
19757 \hspace*{-\cap@indent}#3\scr@endstrut
19758 }}\par}%
19759 \else
19760 \if@capbreak
19761 \strut
19762 #1{%
19763 {\usekomafont{caption}{%
19764 \usekomafont{captionlabel}{#2\captionformat}%
19765 }
19766 }\par}%
19767 \noindent\hangfrom{\hspace*{\cap@indent}}%
19768 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
19769 \else
19770 \hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%

```



```

19771             {%
19772             \hspace{-\cap@indent}%
19773             \scr@smashdp{%
19774             #1{\usekomafont{caption}{%
19775             \usekomafont{captionlabel}{#2\captionformat}%
19776             }%
19777             }%
19778             }%
19779             {\usekomafont{caption}{#3\scr@endstrut}}\par}%
19780             }%
19781             \fi
19782             \fi
19783             \fi
19784             }%
19785             \cap@right
19786             }\par\kern\dp\strutbox
19787             }%
19788             }\kern-\dp\strutbox
19789             }
19790
19791
19792 \bidi@AfterFile{longtable-xetex-bidi.def}{%
19793   \if@komalongtable
19794     \renewcommand{\LT@makecaption}[3]{%
19795       \noalign{%
19796         \if@captionabove
19797           \vskip\belowcaptionskip
19798         \else
19799           \vskip\abovecaptionskip
19800         \fi
19801       }%
19802       \LT@mcol\LT@cols c{%
19803         \hbox to\z@{\hss\parbox[t]{\linewidth{%
19804           \def\@captive{table}%
19805           \@makecaption{#1}{#2}{#3}%
19806           \endgraf
19807           \if@captionabove
19808             \vskip\abovecaptionskip
19809           \else
19810             \vskip\belowcaptionskip
19811           \fi
19812           }%
19813           \hss
19814         }%
19815       }%
19816     }%
19817     \renewcommand*{\scr@LT@array}{}%
19818     \let\scr@LT@array=\LT@array
19819     \renewcommand*{\LT@array}{%
19820       \let\scr@caption=\LT@caption
19821       \def\captionabove{\noalign{\global\@captionabovetrue}%
19822       \scr@caption}%
19823       \def\captionbelow{\noalign{\global\@captionabovetrue}%
19824       \scr@caption}%

```



```

19825 \if@tablecaptionabove
19826 \let\LT@caption=\captionabove
19827 \else
19828 \let\LT@caption=\captionbelow
19829 \fi
19830 \scr@LT@array
19831 }%
19832 \ClassInfo{\KOMAClassName}{%
19833 longtable captions redefined%
19834 }%
19835 \fi
19836 }
19837
19838 \CloneTOCEntryStyle{tocline}{part}
19839 \TOCEntryStyleStartInitCode{part}{%
19840 \expandafter\renewcommand%
19841 \csname scr@tso@#1@linefill\endcsname{\hfill}%
19842 \expandafter\renewcommand%
19843 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
19844 \expandafter\renewcommand%
19845 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19846 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
19847 \expandafter\renewcommand\expandafter*%
19848 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
19849 }
19850
19851 \CloneTOCEntryStyle{tocline}{chapter}
19852 \TOCEntryStyleStartInitCode{chapter}{%
19853 \expandafter\renewcommand%
19854 \csname scr@tso@#1@linefill\endcsname{%
19855 \if@chapterentrywithdots
19856 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
19857 \else
19858 \hfill
19859 \fi
19860 }%
19861 \expandafter\renewcommand%
19862 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
19863 \expandafter\renewcommand%
19864 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19865 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
19866 \expandafter\renewcommand\expandafter*%
19867 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
19868 }
19869
19870 \CloneTOCEntryStyle{tocline}{section}
19871 \TOCEntryStyleStartInitCode{section}{%
19872 \expandafter\renewcommand%
19873 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19874 \expandafter\renewcommand%
19875 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19876 {\normalfont\normalcolor ##1}}%
19877 }
19878

```



```

19879 \CloneTOCEntryStyle{section}{default}
19880
19881 \DeclareSectionCommand[%
19882   style=chapter,%
19883   level=\z@,%
19884   pagestyle=plain,%
19885   tocstyle=chapter,%
19886   tocindent=\z@,%
19887   tocnumwidth=1.5em%
19888 ]{chapter}
19889 \DeclareSectionCommand[%
19890   style=section,%
19891   level=1,%
19892   indent=\z@,%
19893   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
19894   afterskip=2.3ex \@plus .2ex,%
19895   tocstyle=section,%
19896   tocindentfollows=chapter,%
19897   tocindent=1.5em,%
19898   tocnumwidth=2.3em%
19899 ]{section}
19900 \DeclareSectionCommand[%
19901   style=part,%
19902   level=\m@ne,%
19903   pagestyle=plain,%
19904   tocstyle=part,%
19905   toclevel=\m@ne,%
19906   tocindent=\z@,%
19907   tocnumwidth=2em%
19908 ]{part}
19909 \DeclareSectionCommand[%
19910   style=section,%
19911   level=2,%
19912   indent=\z@,%
19913   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19914   afterskip=1.5ex \@plus .2ex,%
19915   tocstyle=section,%
19916   tocindent=3.8em,%
19917   tocnumwidth=3.2em%
19918 ]{subsection}
19919 \DeclareSectionCommand[%
19920   style=section,%
19921   level=3,%
19922   indent=\z@,%
19923   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19924   afterskip=1.5ex \@plus .2ex,%
19925   tocstyle=section,%
19926   tocindent=7.0em,%
19927   tocnumwidth=4.1em%
19928 ]{subsubsection}
19929 \DeclareSectionCommand[%
19930   style=section,%
19931   level=4,%
19932   indent=\z@,%

```



```

19933 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19934 afterskip=-1em,%
19935 tocindentfollows=subsubsection,%
19936 tocstyle=section,%
19937 tocindent=10em,%
19938 tocnumwidth=5em%
19939 ]{paragraph}
19940 \DeclareSectionCommand[%
19941   style=section,%
19942   level=5,%
19943   indent=\scr@parindent,%
19944   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19945   afterskip=-1em,%
19946   tocstyle=section,%
19947   tocindent=12em,%
19948   tocnumwidth=6em%
19949 ]{subparagraph}

```

126 File scrreprt-xetex-bidi.def

```

19950 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
19951 \newcommand{\scr@saved@LTRfootnotetext}{}
19952 \newcommand{\scr@saved@RTLfootnotetext}{}
19953 \let\scr@saved@footnotetext\@footnotetext
19954 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19955 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19956 \renewcommand{\@footnotetext}[1]{%
19957   \scr@saved@footnotetext{#1}%
19958   \csname FN@mfb@prepare\endcsname
19959 }
19960 \renewcommand{\@LTRfootnotetext}[1]{%
19961   \scr@saved@LTRfootnotetext{#1}%
19962   \csname FN@mfb@prepare\endcsname
19963 }
19964 \renewcommand{\@RTLfootnotetext}[1]{%
19965   \scr@saved@RTLfootnotetext{#1}%
19966   \csname FN@mfb@prepare\endcsname
19967 }
19968 \renewcommand\deffootnote[4][]{%
19969   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19970     \long\def\@makefntext##1{%
19971       \ExecuteDoHook{footnote/text/begin}%
19972       \raggedfootnote
19973       \ifRTL
19974         \rightskip
19975       \else
19976         \leftskip
19977       \fi
19978       #2
19979       \l@addto@macro\@trivlist{%
19980         \ifnum\@listdepth=\@ne
19981           \ifRTL
19982             \advance\rightmargin #2\relax
19983           \else

```



```

19984         \advance\leftmargin #2\relax
19985     \fi
19986 \fi
19987 }%
19988 \parindent #3\noindent
19989 \IfArgIsEmpty{#1}{\{%
19990     \hskip \dimexpr #1-#2\relax
19991 }%
19992 \ftn@font\hbox to \z@{\hss\@@makefnmark}##1%
19993 \ExecuteDoHook{footnote/text/end}%
19994 }%
19995 \else
19996 \ClassInfo{\KOMAClassName}{%
19997     Using old \string\@makefnmark\space due to compatibility
19998     level\MessageBreak
19999     less than 3.22}%
20000 \long\def\@makefnmark##1{%
20001     \setlength{\@tempdimc}{#3}%
20002     \def\@tempa{#1}\ifx\@tempa\@empty
20003         \@setpar{\@par
20004             \@tempdima = \hspace
20005             \addtolength{\@tempdima}{-#2}%
20006             \if@RTL
20007                 \parshape \@ne \z@ \@tempdima
20008             \else
20009                 \parshape \@ne #2 \@tempdima
20010             \fi
20011         }%
20012     \else
20013         \addtolength{\@tempdimc}{#2}%
20014         \addtolength{\@tempdimc}{-#1}%
20015         \@setpar{\@par
20016             \@tempdima = \hspace
20017             \addtolength{\@tempdima}{-#1}%
20018             \@tempdimb = \hspace
20019             \addtolength{\@tempdimb}{-#2}%
20020             \if@RTL
20021                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20022             \else
20023                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20024             \fi
20025         }%
20026     \fi
20027 \par
20028 \parindent\@tempdimc\noindent
20029 \ftn@font\hbox to \z@{\hss\@@makefnmark}##1%
20030 }%
20031 \fi
20032 \def\@@makefnmark{\hbox{\ftn@font{#4}}}%
20033 }
20034 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20035 \renewcommand*\left@footnoterule{%
20036     \normalsize\ftn@rule@test@values
20037     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

20038 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20039 {\usekomafont{footnoterule}{%
20040 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
20041 \kern 2.6\p@}
20042 \renewcommand*\right@footnoterule{%
20043 \normalsize\ftn@rule@test@values
20044 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
20045 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20046 {\usekomafont{footnoterule}{%
20047 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
20048 \kern 2.6\p@}
20049 \renewcommand*\maketitle[1][1]{%
20050 \expandafter\ifnum \c@name scr@v@3.12\endcsname>\scr@compatibility\relax
20051 \else
20052 \def\and{%
20053 \end{tabular}%
20054 \hskip 1em \@plus.17fil%
20055 \begin{tabular}[t]{c}%
20056 }%
20057 \fi
20058 \if@titlepage
20059 \begin{titlepage}
20060 \setcounter{page}{%
20061 #1%
20062 }%
20063 \if@titlepageiscoverpage
20064 \edef\t@titlepage@restore{%
20065 \noexpand\endgroup
20066 \noexpand\global\noexpand\@colht\the\@colht
20067 \noexpand\global\noexpand\@colroom\the\@colroom
20068 \noexpand\global\vsizethe\vsizethe
20069 \noexpand\global\noexpand\@titlepageiscoverpagefalse
20070 \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
20071 }%
20072 \begingroup
20073 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20074 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
20075 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20076 \textwidth=\dimexpr
20077 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20078 \textheight=\dimexpr
20079 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20080 \headheight=0pt
20081 \headsep=0pt
20082 \footskip=\baselineskip
20083 \@colht=\textheight
20084 \@colroom=\textheight
20085 \vsizethe\textheight
20086 \columnwidth=\textwidth
20087 \hsizethe\columnwidth
20088 \linewidth=\hsizethe
20089 \else
20090 \let\t@titlepage@restore\relax
20091 \fi

```



```

20092 \let\footnotesize\small
20093 \let\right@footnoterule\relax
20094 \let\left@footnoterule\relax
20095 \let\textwidth@footnoterule\relax
20096 \let\footnote\thanks
20097 \let\LTRfootnote\LTRthanks
20098 \let\RTLfootnote\RTLthanks
20099 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20100 \let\@oldmakefnmark\@makefnmark
20101 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
20102 \ifx\@extratitle\@empty
20103 \ifx\@frontispiece\@empty
20104 \else
20105 \if@twoside\mbox{}\next@tpage\fi
20106 \noindent\@frontispiece\next@tdpage
20107 \fi
20108 \else
20109 \noindent\@extratitle
20110 \ifx\@frontispiece\@empty
20111 \else
20112 \next@tpage
20113 \noindent\@frontispiece
20114 \fi
20115 \next@tdpage
20116 \fi
20117 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
20118 \ifx\@titlehead\@empty \else
20119 \begin{minipage}[t]{\textwidth}%
20120 \usekomafont{titlehead}{\@titlehead\par}%
20121 \end{minipage}\par
20122 \fi
20123 \null\vfill
20124 \begin{center}
20125 \ifx\@subject\@empty \else
20126 {\usekomafont{subject}{\@subject\par}}%
20127 \vskip 3em
20128 \fi
20129 {\usekomafont{title}{\huge \@title\par}}%
20130 \vskip 1em
20131 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20132 \vskip 2em
20133 {%
20134 \usekomafont{author}{%
20135 \lineskip 0.75em
20136 \begin{tabular}[t]{c}
20137 \@author
20138 \end{tabular}\par
20139 }%
20140 }%
20141 \vskip 1.5em
20142 {\usekomafont{date}{\@date \par}}%
20143 \vskip \z@ \@plus3fill
20144 {\usekomafont{publishers}{\@publishers \par}}%
20145 \vskip 3em

```




```

20146 \end{center}\par
20147 \@thanks\global\let\@thanks\@empty
20148 \vfill\null
20149 \if@twoside
20150 \@tempwattrue
20151 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
20152 \else
20153 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20154 \@tempwafalse
20155 \fi\fi
20156 \fi
20157 \if@tempswa
20158 \next@tpage
20159 \begin{minipage}[t]{\textwidth}
20160 \@uppertitleback
20161 \end{minipage}\par
20162 \vfill
20163 \begin{minipage}[b]{\textwidth}
20164 \@lowertitleback
20165 \end{minipage}\par
20166 \@thanks\global\let\@thanks\@empty
20167 \fi
20168 \else
20169 \ifx\@uppertitleback\@empty\else
20170 \ClassWarning{\KOMAClassName}{%
20171 non empty \string\uppertitleback\space ignored
20172 by \string\maketitle\MessageBreak
20173 in `twoside=false' mode%
20174 }%
20175 \fi
20176 \ifx\@lowertitleback\@empty\else
20177 \ClassWarning{\KOMAClassName}{%
20178 non empty \string\lowertitleback\space ignored
20179 by \string\maketitle\MessageBreak
20180 in `twoside=false' mode%
20181 }%
20182 \fi
20183 \fi
20184 \ifx\@dedication\@empty
20185 \else
20186 \next@tdpage\null\vfill
20187 {\centering\usekomafont{dedication}{\@dedication \par}}%
20188 \vskip \z@ \@plus3fill
20189 \@thanks\global\let\@thanks\@empty
20190 \cleardoubleemptypage
20191 \fi
20192 \ifx\titlename@restore\relax\else\clearpage\titlename@restore\fi
20193 \end{titlepage}
20194 \else
20195 \par
20196 \@tempcnta=%
20197 #1%
20198 \relax\ifnum\@tempcnta=1\else
20199 \ClassWarning{\KOMAClassName}{%

```



```

20200         Optional argument of \string\maketitle\space ignored\MessageBreak
20201         in `titlepage=false' mode%
20202     }%
20203 \fi
20204 \ifx\@uppertitleback\@empty\else
20205     \ClassWarning{\KOMAClassName}{%
20206         non empty \string\uppertitleback\space ignored
20207         by \string\maketitle\MessageBreak
20208         in `titlepage=false' mode%
20209     }%
20210 \fi
20211 \ifx\@lowertitleback\@empty\else
20212     \ClassWarning{\KOMAClassName}{%
20213         non empty \string\lowertitleback\space ignored
20214         by \string\maketitle\MessageBreak
20215         in `titlepage=false' mode%
20216     }%
20217 \fi
20218 \begingroup
20219     \let\titlepage@restore\relax
20220     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20221     \let\@oldmakefnmark\@makefnmark
20222     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
20223     \next@tdpage
20224     \if@twocolumn
20225         \ifnum \col@number=\@one
20226             \ifx\@extratitle\@empty
20227                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20228             \else
20229                 \@makeextratitle
20230             \fi
20231             \ifx\@frontispiece\@empty
20232                 \ifx\@extratitle\@empty\else\next@tdpage\fi
20233             \else
20234                 \next@tpage
20235                 \@makefrontispiece
20236                 \next@tdpage
20237             \fi
20238             \@maketitle
20239         \else
20240             \ifx\@extratitle\@empty
20241                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20242             \else
20243                 \twocolumn[\@makeextratitle]%
20244             \fi
20245             \ifx\@frontispiece\@empty
20246                 \ifx\@extratitle\@empty\else\next@tdpage\fi
20247             \else
20248                 \next@tpage
20249                 \twocolumn[\@makefrontispiece]%
20250                 \next@tdpage
20251             \fi
20252             \twocolumn[\@maketitle]%
20253 \fi

```



```

20254 \else
20255 \ifx\@extratitle\@empty
20256 \ifx\@frontispiece\@empty\else \mbox{}\fi
20257 \else
20258 \@makeextratitle
20259 \fi
20260 \ifx\@frontispiece\@empty
20261 \ifx\@extratitle\@empty\else\next@tdpage\fi
20262 \else
20263 \next@tpage
20264 \@makefrontispiece
20265 \next@tdpage
20266 \fi
20267 \@maketitle
20268 \fi
20269 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20270 \@thanks\global\let\@thanks\@empty
20271 \endgroup
20272 \fi
20273 \setcounter{footnote}{0}%
20274 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20275 \let\thanks\relax
20276 \let\LTRthanks\relax
20277 \let\RTLthanks\relax
20278 \let\maketitle\relax
20279 \let\@maketitle\relax
20280 \global\let\@thanks\@empty
20281 \global\let\@author\@empty
20282 \global\let\@date\@empty
20283 \global\let\@title\@empty
20284 \global\let\@subtitle\@empty
20285 \global\let\@extratitle\@empty
20286 \global\let\@frontispiece\@empty
20287 \global\let\@titlehead\@empty
20288 \global\let\@subject\@empty
20289 \global\let\@publishers\@empty
20290 \global\let\@uppertitleback\@empty
20291 \global\let\@lowertitleback\@empty
20292 \global\let\@dedication\@empty
20293 \global\let\author\relax
20294 \global\let\title\relax
20295 \global\let\extratitle\relax
20296 \global\let\titlehead\relax
20297 \global\let\subject\relax
20298 \global\let\publishers\relax
20299 \global\let\uppertitleback\relax
20300 \global\let\lowertitleback\relax
20301 \global\let\dedication\relax
20302 \global\let\date\relax
20303 \fi
20304 \global\let\and\relax
20305 }%
20306 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20307 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}

```



```

20308 \renewcommand*\thesection{%
20309   \thechapter\@SepMark%
20310   \@arabic\c@section
20311 }
20312 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20313 \renewcommand*\thesubsubsection{%
20314   \thesubsection\@SepMark\@arabic\c@subsubsection
20315 }
20316 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20317 \renewcommand*\thesubparagraph{%
20318   \theparagraph\@SepMark\@arabic\c@subparagraph
20319 }
20320 \expandafter\ifnum\scr@v@is@le{2.97d}%
20321   \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
20322 \fi
20323 \expandafter\ifnum\scr@v@is@le{2.97d}%
20324   \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
20325 \fi
20326 \renewcommand*\theequation{%
20327   \thechapter\@SepMark%
20328   \@arabic\c@equation
20329 }
20330 \renewenvironment{thebibliography}[1]{%
20331   \if@bib@break@
20332     \bib@beginhook
20333   \else
20334     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20335       \setchapterpreamble{\bibpreamble}%
20336     \fi\fi
20337     \bib@heading
20338     \bib@beginhook
20339     \bib@before@hook
20340   \fi
20341   \renewcommand{\BreakBibliography}[1]{%
20342     \@bib@break
20343     \end{thebibliography}%
20344     \begingroup ##1\endgroup
20345     \begin{thebibliography}{#1}
20346   }%
20347   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20348   \bidi@thebibliography@font@hook%
20349   \list{%
20350     \@biblabel{\@arabic\c@enumiv}%
20351   }{%
20352     \settowidth\labelwidth{\@biblabel{#1}}%
20353     \leftmargin\labelwidth
20354     \advance\leftmargin\labelsep
20355     \@openbib@code
20356     \if@bib@break@
20357       \edef\@tempa{%
20358         \noexpand\usecounter{enumiv}%
20359         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20360       }\@tempa
20361     \no@bib@break

```



```

20362     \else
20363         \usecounter{enumiv}%
20364     \fi
20365     \let\p@enumiv\@empty
20366     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20367 }%
20368 \sloppy\clubpenalty4000 \widowpenalty4000
20369 \sfcode`\.\=\@m
20370 }{%
20371 \if@bib@break@
20372     \def\@noitemerr{%
20373         \@latex@warning{%
20374             \string\BreakBibliography\space at begin of `thebibliography'
20375             environment\MessageBreak
20376             or following \string\BreakBibliography}%
20377     }%
20378 \else
20379     \def\@noitemerr{%
20380         \@latex@warning{%
20381             Empty `thebibliography' environment or
20382             \string\BreakBibliography\MessageBreak
20383             before end of `thebibliography' environment}%
20384     }%
20385 \fi
20386 \endlist
20387 \if@bib@break@
20388 \else
20389     \bib@after@hook
20390     \let\bib@before@hook\@empty
20391     \let\bib@after@hook\@empty
20392 \fi
20393 \bib@endhook
20394 }
20395 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
20396 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
20397 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
20398 \renewcommand\marginline[1]{%
20399     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
20400 }
20401 \renewcommand{\@makecaption}[3]{%
20402     \cap@margin
20403     \begingroup
20404         \ifonelinecaptions
20405             \def\stepcounter##1{\advance\value{##1}\@ne}%
20406             \let\refstepcounter\stepcounter
20407             \let\label\@gobble
20408             \let\@footnotetext=\@gobble
20409             \let\@LTRfootnotetext=\@gobble
20410             \let\@RTLfootnotetext=\@gobble
20411             \let\hypertarget\@gobbletwo
20412             \edef\xnewline{%
20413                 \unexpanded{\ClassInfo{\KOMAClassName}}{%
20414                     Workaround for not recommended usage of \string\ or\MessageBreak
20415                     \string\newline in caption text

```



```

20416         }%
20417         \hspace*{\linewidth}\hspace{1sp}%
20418     }%
20419     \unexpanded\expandafter{\@xnewline}%
20420 }%
20421 \edef\@xcentercr{%
20422     \unexpanded{\ClassInfo{\KOMAClassName}{%
20423         Workaround for not recommended usage of \string\\ or\MessageBreak
20424         \string\newline in caption text
20425     }}%
20426     \hspace*{\linewidth}\hspace{1sp}%
20427 }%
20428 \unexpanded\expandafter{\@xcentercr}%
20429 }%
20430 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20431 \ifdim\@tempdima>\cap@width
20432     \aftergroup\scr@makemultilinecaption
20433 \else
20434     \aftergroup\scr@makesinglelinecaption
20435 \fi
20436 \else
20437     \aftergroup\scr@makemultilinecaption
20438 \fi
20439 \endgroup
20440 {#1}{#2}{#3}%
20441 }
20442 \renewcommand{\scr@makesinglelinecaption}[3]{%
20443     {%
20444         \usefontofkomafont{caption}{%
20445             \hb@xt@{\hsize{%
20446                 \cap@left
20447                 \if@RTL
20448                     \beginR
20449                 \fi
20450                 \scr@makesinglelinecaption{#1}{#2}{#3}%
20451                 \if@RTL
20452                     \endR
20453                 \fi
20454                 \cap@right
20455             }}\par\kern\dp\strutbox%
20456         }%
20457     }\kern-\dp\strutbox
20458 }
20459 \renewcommand{\@makecaption}[2]{%
20460     \if@captionabove
20461         \vskip\belowcaptionskip
20462     \else
20463         \vskip\abovecaptionskip
20464     \fi
20465     \@makecaption\@firstofone{#1}{#2}%
20466     \if@captionabove
20467         \vskip\abovecaptionskip
20468     \else
20469         \vskip\belowcaptionskip

```



```

20470 \fi
20471 }
20472
20473 \renewcommand{\scr@makesinglelinecaption}[3]{%
20474     {\usekomafont{caption}{\strut\ignorespaces
20475         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20476         \ignorespaces #3\unskip}}%
20477 }
20478
20479 \renewcommand{\scr@makemultilinecaption}[3]{%
20480     {%
20481         \usefontofkomafont{caption}{%
20482             \hb@xt@{hsize}{%
20483                 \cap@left
20484                 \vbox{hsize\cap@width\linewidthhsize
20485                     \scr@ifundefinedorrelax{@captype}{%
20486                         \ClassWarning{\KOMAClassName}{%
20487                             '\string\caption' outside float.\MessageBreak
20488                             Seems you are using '\string\caption' outside a
20489                             float.\MessageBreak
20490                             Maybe you are using a package that uses
20491                             '\string\@makecaption'\MessageBreak
20492                             without setting '\string\@captype' before.\MessageBreak
20493                             Because I cannot detect the caption type, I'm using\MessageBreak
20494                             the empty one.%
20495                         }%
20496                         \let\@captype\@empty
20497                     }{}%
20498                     \scr@ifundefinedorrelax{ragged\@captype}{\raggedcaption}{%
20499                         \@nameuse{ragged\@captype}{caption}%
20500                     }%
20501                     \ifdofullc@p
20502                         \@hangfrom{%
20503                             \strut
20504                             \scr@smashdp{%
20505                                 #1{%
20506                                     \usekomafont{caption}{%
20507                                         \usekomafont{captionlabel}{#2\captionformat}%
20508                                     }%
20509                                 }%
20510                             }%
20511                         }%
20512                         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
20513                     \else
20514                         \ifdim\cap@indent<\z@
20515                             \strut
20516                             #1{%
20517                                 {\usekomafont{caption}{%
20518                                     \usekomafont{captionlabel}{#2\captionformat}%
20519                                 }%
20520                                 }\par}%
20521                             \noindent{{\usekomafont{caption}{%
20522                                 \hspace*{-\cap@indent}#3\scr@endstrut
20523                                 }}\par}%

```



```

20524         \else
20525             \if@capbreak
20526                 \strut
20527                 #1{%
20528                     {\usekomafont{caption}{%
20529                         \usekomafont{captionlabel}{#2\captionformat}%
20530                     }%
20531                 }\par}%
20532             \noindent\@hangfrom{\hspace*{\cap@indent}}%
20533             {\{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20534         \else
20535             \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20536             {%
20537                 \hspace{-\cap@indent}%
20538                 \scr@smashdp{%
20539                     #1{\usekomafont{caption}{%
20540                         \usekomafont{captionlabel}{#2\captionformat}%
20541                     }%
20542                 }%
20543             }%
20544             {\{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20545         }%
20546     \fi
20547 \fi
20548 \fi
20549 }%
20550 \cap@right
20551 }\par\kern\dp\strutbox
20552 }%
20553 }\kern-\dp\strutbox
20554 }
20555
20556
20557 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20558     \if@komalongtable
20559         \renewcommand{\LT@makecaption}[3]{%
20560             \noalign{%
20561                 \if@captionabove
20562                     \vskip\belowcaptionskip
20563                 \else
20564                     \vskip\abovecaptionskip
20565                 \fi
20566             }%
20567             \LT@mcol\LT@cols c{%
20568                 \hbox to\z@{\hss\parbox[t]{\linewidth{%
20569                     \def\@capytype{table}%
20570                     \@@makecaption{#1}{#2}{#3}%
20571                     \endgraf
20572                     \if@captionabove
20573                         \vskip\abovecaptionskip
20574                     \else
20575                         \vskip\belowcaptionskip
20576                     \fi
20577                 }}%

```




```

20578         \hss
20579     }%
20580 }%
20581 }%
20582 \renewcommand*{\scr@LT@array}{}%
20583 \let\scr@LT@array=\LT@array
20584 \renewcommand*{\LT@array}{%
20585     \let\scr@caption=\LT@caption
20586     \def\captionabove{\noalign{\global\@captionabovetrue}%
20587         \scr@caption}%
20588     \def\captionbelow{\noalign{\global\@captionabovetrue}%
20589         \scr@caption}%
20590     \if@tablecaptionabove
20591         \let\LT@caption=\captionabove
20592     \else
20593         \let\LT@caption=\captionbelow
20594     \fi
20595     \scr@LT@array
20596 }%
20597 \ClassInfo{\KOMAClassName}{%
20598     longtable captions redefined%
20599 }%
20600 \fi
20601 }
20602
20603 \CloneTOCEntryStyle{tocline}{part}
20604 \TOCEntryStyleStartInitCode{part}{%
20605     \expandafter\renewcommand%
20606     \csname scr@tso@#1@linefill\endcsname{\hfill}%
20607     \expandafter\renewcommand%
20608     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20609     \expandafter\renewcommand%
20610     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20611         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
20612     \expandafter\renewcommand\expandafter*%
20613     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
20614 }
20615
20616 \CloneTOCEntryStyle{tocline}{chapter}
20617 \TOCEntryStyleStartInitCode{chapter}{%
20618     \expandafter\renewcommand%
20619     \csname scr@tso@#1@linefill\endcsname{%
20620         \if@chapterentrywithdots
20621             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
20622         \else
20623             \hfill
20624         \fi
20625     }%
20626     \expandafter\renewcommand%
20627     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
20628     \expandafter\renewcommand%
20629     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20630         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
20631     \expandafter\renewcommand\expandafter*%

```



```

20632 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
20633 }
20634
20635 \CloneTOCEntryStyle{tocline}{section}
20636 \TOCEntryStyleStartInitCode{section}{%
20637 \expandafter\renewcommand%
20638 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20639 \expandafter\renewcommand%
20640 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20641 {\normalfont\normalcolor ##1}}%
20642 }
20643
20644 \CloneTOCEntryStyle{section}{default}
20645
20646 \DeclareSectionCommand[%
20647 style=chapter,%
20648 level=\z@,%
20649 pagestyle=plain,%
20650 tocstyle=chapter,%
20651 tocindent=\z@,%
20652 tocnumwidth=1.5em%
20653 ]{chapter}
20654 \DeclareSectionCommand[%
20655 style=section,%
20656 level=1,%
20657 indent=\z@,%
20658 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
20659 afterskip=2.3ex \@plus .2ex,%
20660 tocstyle=section,%
20661 tocindentfollows=chapter,%
20662 tocindent=1.5em,%
20663 tocnumwidth=2.3em%
20664 ]{section}
20665 \DeclareSectionCommand[%
20666 style=part,%
20667 level=\m@ne,%
20668 pagestyle=plain,%
20669 tocstyle=part,%
20670 toplevel=\m@ne,%
20671 tocindent=\z@,%
20672 tocnumwidth=2em%
20673 ]{part}
20674 \DeclareSectionCommand[%
20675 style=section,%
20676 level=2,%
20677 indent=\z@,%
20678 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20679 afterskip=1.5ex \@plus .2ex,%
20680 tocstyle=section,%
20681 tocindent=3.8em,%
20682 tocnumwidth=3.2em%
20683 ]{subsection}
20684 \DeclareSectionCommand[%
20685 style=section,%

```



```

20686 level=3,%
20687 indent=\z@,%
20688 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20689 afterskip=1.5ex \@plus .2ex,%
20690 tocstyle=section,%
20691 tocindent=7.0em,%
20692 tocnumwidth=4.1em%
20693 ]{subsubsection}
20694 \DeclareSectionCommand[%
20695 style=section,%
20696 level=4,%
20697 indent=\z@,%
20698 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
20699 afterskip=-1em,%
20700 tocindentfollows=subsubsection,%
20701 tocstyle=section,%
20702 tocindent=10em,%
20703 tocnumwidth=5em%
20704 ]{paragraph}
20705 \DeclareSectionCommand[%
20706 style=section,%
20707 level=5,%
20708 indent=\scr@parindent,%
20709 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
20710 afterskip=-1em,%
20711 tocstyle=section,%
20712 tocindent=12em,%
20713 tocnumwidth=6em%
20714 ]{subparagraph}

```

127 File sidecap-xetex-bidi.def

```

20715 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
20716 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
20717 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
20718 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
20719 \renewcommand*{\SC@justify@caption}{\if@RTL%
20720 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
20721 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

128 File soul-xetex-bidi.def

```

20722 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
20723 \long\def\SOUL@start#1{%
20724 \let\bidir@RTL@everypar\@empty
20725 \let\<\SOUL@lowerthan
20726 \let\>\empty
20727 \def\soulomit{\noexpand\soulomit}%
20728 \gdef\SOUL@eventuallyexhyphen#1{%
20729 \let\SOUL@soeventuallyskip\relax
20730 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
20731 \@minus\fontdimen4\font
20732 \SOUL@ignorespacesfalse
20733 \leavevmode

```



```

20734 \SOUL@preamble
20735 \SOUL@lasttoken={} %
20736 \SOUL@word={} %
20737 \SOUL@minus\z@
20738 \SOUL@comma\z@
20739 \SOUL@apo\z@
20740 \SOUL@grave\z@
20741 \SOUL@do{#1} %
20742 \SOUL@postamble
20743 }}
20744 \def\SOUL@ulunderline#1{%
20745 \setbox\z@\hbox{#1}%
20746 \dimen@=\wd\z@
20747 \dimen@i=\SOUL@uloverlap
20748 \advance\dimen@2\dimen@i
20749 \if@RTL
20750 \unhcopy\z@
20751 \llap{%
20752 \null
20753 \kern-\dimen@i
20754 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
20755 }%
20756 \else
20757 \rlap{%
20758 \null
20759 \kern-\dimen@i
20760 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
20761 }%
20762 \unhcopy\z@
20763 \fi
20764 }}
20765 \def\bidi@SOUL@ulleaders{%
20766 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\r
20767 }
20768 \def\SOUL@uleveryspace#1{%
20769 \if@RTL
20770 #1%
20771 \bidi@SOUL@ulleaders
20772 \hskip\spaceskip
20773 \else
20774 \SOUL@ulcolor{%
20775 #1%
20776 \SOUL@ulleaders
20777 \hskip\spaceskip
20778 }%
20779 \fi
20780 \null
20781 }

```

129 File stabular-xetex-bidi.def

```

20782 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
20783 \def\@stabular{%
20784 \leavevmode \bgroup \if@RTLtab\beginR \fi

```



```

20785 \let\@acol\@tabacol
20786 \let\@classz\@tabclassz
20787 \let\@classiv\@tabclassiv \let\@tabularcr\@stabarray}
20788 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20789 \egroup \if@RTLtab\endR\fi\egroup}
20790 \expandafter \let \csname endstabular*\endcsname = \endstabular
20791 \def\@sarray[#1]#2{%
20792 \bgroup
20793 \setbox\@arstrutbox\hbox{%
20794 \vrule \@height\arraystretch\ht\strutbox
20795 \depth\arraystretch \dp\strutbox
20796 \width\z@}%
20797 \mkpream{#2}%
20798 \edef\@preamble{%
20799 \ialign \noexpand\@halignto
20800 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20801 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20802 \let\@tabularnewline\@
20803 \let\@sharp##%
20804 \set@typeset@protect
20805 \lineskip\z@skip\baselineskip\z@skip
20806 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
20807 \preamble}

```

130 File subfigure-xetex-bidi.def

```

20808 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
20809 \AtBeginDocument{%
20810 \let\p@subfigure=\thefigure
20811 \let\p@subtable=\thetable%
20812 }

```

131 File tabs-xetex-bidi.def

```

20813 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
20814 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
20815
20816 \expandafter\let\csname endtabular*\endcsname=\endtabular
20817
20818 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
20819 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
20820 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
20821
20822 \def\@array[#1]#2{% remember global variables to allow recursion:
20823 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
20824 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
20825 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
20826 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
20827 \else \let\@tarlinesep\tablinesep \fi
20828 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
20829 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
20830 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
20831 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
20832 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size

```



```

20833 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
20834 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
20835 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
20836 \let\protect\noexpand
20837 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
20838 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
20839 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20840 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
20841 \bgroup \let\par\@empty
20842 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
20843 \advance\extrarulesep.5\arrayrulewidth
20844 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
20845 \ifRTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
20846 \@preamble}

```

132 File tabularx-xetex-bidi.def

```

20847 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
20848 \def\TX@endtabularx{%
20849 \expandafter\expandafter\expandafter
20850 \TX@find@endtabularxa\csname end\TX@\endcsname
20851 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
20852 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
20853 \let\verb\TX@verb
20854 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
20855 \edef\TX@ckpt{\cl@ckpt}%
20856 \let\@elt\relax
20857 \TX@old@table\maxdimen
20858 \TX@col@width\TX@target
20859 \global\TX@cols\@ne
20860 \TX@typeout@
20861 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
20862 \TX@trial{\def\NC@rewriteX{%
20863 \global\advance\TX@cols\@ne\NC@find pf\TX@col@width}}}%
20864 \loop
20865 \TX@arith
20866 \ifTX@
20867 \TX@trial}%
20868 \repeat
20869 {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
20870 \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
20871 \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
20872 \csname tabular*\expandafter\endcsname\expandafter\TX@target
20873 \the\toks@
20874 \csname endtabular*\endcsname}%
20875 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
20876 \ifnum0=\@fi}%
20877 \expandafter\expandafter\expandafter
20878 \TX@find@endtabularxbb
20879 \expandafter\end\expandafter{\TX@}%
20880 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
20881 }
20882
20883 \def\TX@trial#1{%

```



```

20884 \setbox\@tempboxa\hbox{%
20885   #1\relax
20886 \let\@footnotetext\TX@trial@ftn
20887 \let\@LTRfootnotetext\TX@trial@ftn
20888 \let\@RTLfootnotetext\TX@trial@ftn
20889 \let\TX@vwarn\@empty
20890 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
20891 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
20892 \def\write{\begingroup
20893   \def\let{\afterassignment\endgroup\toks@}%
20894   \afterassignment\let\count@}%
20895   \hbadness\@M
20896   \hfuzz\maxdimen
20897   \let\hbadness\@tempcnta
20898   \let\hfuzz\@tempdima
20899   \expandafter\tabular\the\toks@
20900   \endtabular}%
20901 \TX@ckpt
20902 \TX@typeout@{\@spaces
20903   \expandafter\TX@align
20904   \the\wd\@tempboxa\space\space\space\space\space\@@
20905   \expandafter\TX@align
20906   \the\TX@col@width\space\space\space\space\space\@@
20907   \@spaces\the\TX@cols}}
20908
20909 \long\def\TX@LTRftntext#1{%
20910   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
20911     [\the\csname c@\@mpfn\endcsname]}%
20912   \global\TX@ftn\expandafter{\@tempa{#1}}}%
20913 \long\def\TX@xLTRftntext[#1]#2{%
20914   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
20915
20916 \long\def\TX@RTLftntext#1{%
20917   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
20918     [\the\csname c@\@mpfn\endcsname]}%
20919   \global\TX@ftn\expandafter{\@tempa{#1}}}%
20920 \long\def\TX@xRTLftntext[#1]#2{%
20921   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

133 File tabulary-xetex-bidi.def

```

20922 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
20923 \def\@testpach{\@chclass
20924   \ifnum \@lastchclass=6 \one \@chnum \one \else
20925   \ifnum \@lastchclass=7 5 \else
20926   \ifnum \@lastchclass=8 \tw@ \else
20927   \ifnum \@lastchclass=9 \thr@@
20928   \else \z@
20929   \ifnum \@lastchclass = 10 \else
20930   \edef\@nextchar{\expandafter\string\@nextchar}%
20931   \@chnum
20932   \if \@nextchar c\z@ \else
20933   \if \@nextchar \if@RTLtab r\else l\fi\one \else
20934   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else

```



```

20935 \if \@nextchar C7 \else
20936 \if \@nextchar L8 \else
20937 \if \@nextchar R9 \else
20938 \if \@nextchar J10 \else
20939 \z@ \@chclass
20940 \if \@nextchar |\@ne \else
20941 \if \@nextchar !6 \else
20942 \if \@nextchar @7 \else
20943 \if \@nextchar <8 \else
20944 \if \@nextchar >9 \else
20945 10
20946 \@chnum
20947 \if \@nextchar m\thr@@\else
20948 \if \@nextchar p4 \else
20949 \if \@nextchar b5 \else
20950 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
20951 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

134 File tc-xetex-bidi.def

```

20952 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
20953 \def\@cliptoboxdim#1{%
20954 \setbox#1=\hbox{%
20955 \Gin@defaultbp\WIDTH{\wd#1}%
20956 \Gin@defaultbp\DEPTH{\dp#1}%
20957 \@tempdima\ht#1%
20958 \advance\@tempdima\dp#1%
20959 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
20960 \beginL\special{pdf:bcontent }%
20961 \special{%
20962 pdf:literal direct
20963 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
20964 }%
20965 \special{pdf:literal direct W }%
20966 \special{pdf:literal direct n }%
20967 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
20968 \special{pdf:econtent }\endL%
20969 }%
20970 }

```

135 File tcolorbox-xetex-bidi.def

```

20971 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
20972 \let\endtcbox@lrbox=\endminipage
20973 \let\endtcbox@savebox=\endtcbox@lrbox
20974
20975 \bidi@patchcmd{\tcb@vbox}{%
20976 \let\@footnotetext\@mpfootnotetext%
20977 }{%
20978 \let\@footnotetext\@mpfootnotetext%
20979 \let\@LTRfootnotetext\@mpLTRfootnotetext%
20980 \let\@RTLfootnotetext\@mpRTLfootnotetext%
20981 }-{}-{}
20982

```




```

20983 \bidi@patchcmd{\endtcbox}{\footnoterule%
20984 \footnoterule%
20985 }{}%
20986 \bidi@mpfootnoterule%
20987 }{}{}
20988 \bidi@apptocmd\ tcb@icolorbox{%
20989 \@bidi@list@minipage@parboxfalse
20990 }{}{}

```

136 File titlesec-xetex-bidi.def

```

20991 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
20992 \renewcommand\filright{%
20993 \gdef\ttl@filleft##1{\hskip##1}%
20994 \gdef\ttl@filright##1{\hfill}%
20995 \let\\\@centercr
20996 \advance\rightskip\z@ \@plus 1fil
20997 \parfillskip\z@}
20998 \def\ttlhang#1#2#3#4#5#6#7#8{%
20999 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
21000 \setlength\leftskip{#6}%
21001 \setlength\rightskip{#7}%
21002 \interlinepenalty\@M
21003 \ttl@changeparindent
21004 \ttl@beginlongest
21005 #1{\ifhmode\ttl@hmode@error\fi
21006 \ttl@glcmds
21007 \parindent\z@
21008 \leavevmode
21009 \begingroup
21010 \ifttl@label
21011 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
21012 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
21013 \llap{\box\z@}%
21014 \fi
21015 #4{#8}%
21016 \kern\z@\strut\@par
21017 \endgroup
21018 \nobreak\ttl@midlongest#5\@par}%
21019 \ttl@endlongest}

```

137 File titletoc-xetex-bidi.def

```

21020 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
21021 \renewcommand\filright{%
21022 \gdef\ttl@filleft##1{\hskip##1}%
21023 \gdef\ttl@filright##1{\hfill}%
21024 \let\\\@centercr
21025 \advance\rightskip\z@ \@plus 1fil
21026 \parfillskip\z@}
21027 \renewcommand\contentspush[1]{%
21028 \sbox\z@{#1}%
21029 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
21030 \aftergroup\ttl@b

```



```

21031 \leavevmode\llap{\box\z@}
21032 \def\ttl@outnoblock#1#2#3{%
21033 \begingroup
21034 \ifnum\ttl@b>\ttl@a
21035 \nobreak
21036 \else\ifnum\ttl@b<\ttl@a
21037 \addpenalty{\@secpenalty}%
21038 \else
21039 \addpenalty{\z@}%
21040 \fi\fi
21041 \ttl@contentsstretch
21042 \nobreak
21043 \ifcase#1\relax\else\interlinepenalty\@M\fi
21044 \parindent\z@
21045 \ifx\@nil#2%
21046 \PackageError{titletoc}{Unimplemented}%
21047 {The optional argument is currently mandatory}%
21048 \else
21049 \if@RTL\setlength\rightskip{#2}\else
21050 \setlength\leftskip{#2}\fi%
21051 \fi
21052 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
21053 \let\contentsmargin\ttl@margin
21054 \def\ttl@makeline##1{##1}%
21055 #3%
21056 \addtolength{\parfillskip}{-\ttl@corr}%
21057 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
21058 \let\ttl@leaders\leaders}
21059 \renewcommand\ttl@margin[2][\z@]{%
21060 \def\ttl@corr{#1}%
21061 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
21062 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
21063 \def\@pnumwidth{#2}}
21064 \let\ttl@savel@part\l@part
21065 \def\l@part{\ttl@lselect{part}}
21066
21067 \let\ttl@savel@chapter\l@chapter
21068 \def\l@chapter{\ttl@lselect{chapter}}

```

138 File tocbibind-xetex-bidi.def

```

21069 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
21070 \if@dotocbib
21071 \@ifpackageloaded{natbib}{}{% natbib not loaded
21072 \renewcommand{\bibsection}{\tcb@bchapsec}
21073 \renewenvironment{thebibliography}[1]{%
21074 \bibsection
21075 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
21076 \renewenvironment{thebibitemlist}[1]{
21077 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21078 \bidi@thebibliography@font@hook%
21079 \list{\@biblabel{\@arabic{c@enumiv}}}%
21080 {\settowidth\labelwidth{\@biblabel{#1}}%
21081 \leftmargin\labelwidth

```



```

21082         \advance\leftmargin\labelsep
21083         \@openbib@code
21084         \usecounter{enumiv}%
21085         \let\p@enumiv\@empty
21086         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21087     \sloppy
21088     \clubpenalty4000
21089     \@clubpenalty \clubpenalty
21090     \widowpenalty4000%
21091     \sfcode`\.\@m}
21092 {\def\@noitemerr
21093   {\@latex@warning{Empty `thebibliography' environment}}}%
21094   \endlist}
21095
21096   \@ifpackagewith{chapterbib}{sectionbib}%
21097   {\renewcommand{\sectionbib}[2]{}}%
21098   {}
21099
21100 \fi
21101 \if@inltxdoc\else
21102   \renewenvironment{theindex}%
21103   {\if@twocolumn
21104     \@restonecolfalse
21105   \else
21106     \@restonecoltrue
21107   \fi
21108   \if@bibchapter
21109     \if@donumindex
21110       \refstepcounter{chapter}
21111       \twocolumn[\vspace*{2\topskip}%
21112         \@makechapterhead{\indexname}]]%
21113       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
21114       \chaptermark{\indexname}
21115     \else
21116       \if@dotocind
21117         \twocolumn[\vspace*{2\topskip}%
21118           \@makeschapterhead{\indexname}]]%
21119         \prw@mkboth{\indexname}
21120         \addcontentsline{toc}{chapter}{\indexname}
21121       \else
21122         \twocolumn[\vspace*{2\topskip}%
21123           \@makeschapterhead{\indexname}]]%
21124         \prw@mkboth{\indexname}
21125       \fi
21126     \fi
21127   \else
21128     \if@donumindex
21129       \twocolumn[\vspace*{-1.5\topskip}%
21130         \@nameuse{\@tocextra}{\indexname}]]%
21131       \csname \@tocextra mark\endcsname{\indexname}
21132     \else
21133       \if@dotocind
21134         \twocolumn[\vspace*{-1.5\topskip}%
21135           \toc@headstar{\@tocextra}{\indexname}]]%

```



```

21136         \prw@mkboth{\indexname}
21137         \addcontentsline{toc}{\@tocextra}{\indexname}
21138     \else
21139         \twocolumn[\vspace*{-1.5\topskip}%
21140                     \toc@headstar{\@tocextra}{\indexname}]]%
21141         \prw@mkboth{\indexname}
21142     \fi
21143 \fi
21144 \fi
21145 \thispagestyle{plain}\parindent\z@
21146 \parskip\z@ \@plus .3\p@\relax
21147 \let\item\@idxitem}
21148 {\if@restonecol\onecolumn\else\clearpage\fi}
21149 \fi

```

139 File tocloft-xetex-bidi.def

```

21150 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
21151 \let\cftdot\@SepMark
21152 \if@cfthaspart
21153 \renewcommand*{\l@part}[2]{
21154     \@cftdopartfalse
21155     \ifnum \c@tocdepth >-2\relax
21156         \if@cfthaschapter
21157             \@cftdoparttrue
21158         \fi
21159         \ifnum \c@tocdepth >\m@ne
21160             \if@cfthaschapter\else
21161                 \@cftdoparttrue
21162             \fi
21163         \fi
21164     \fi
21165     \if@cftdopart
21166         \if@cfthaschapter
21167             \addpenalty{-\@highpenalty}
21168         \else
21169             \addpenalty\@secpenalty
21170         \fi
21171         \addvspace{\cftbeforepartskip}
21172         \begingroup
21173             {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
21174              \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21175              \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21176              \parindent \cftpartindent\relax\@afterindenttrue
21177              \interlinepenalty\@M
21178              \leavevmode
21179              \@tempdima \cftpartnumwidth\relax
21180              \let\@cftbsnum \cftpartpresnum
21181              \let\@cftasnum \cftpartaftersnum
21182              \let\@cftasnumb \cftpartaftersnumb
21183              \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
21184              {\cftpartfont \cftpartpresnum #1}
21185              \cftpartfillnum{#2}}
21186         \nobreak

```



```

21187 \if@cfthaschapter
21188 \global\@nobreaktrue
21189 \everypar{\global\@nobreakfalse\everypar{}}
21190 \else
21191 \if@compatibility
21192 \global\@nobreaktrue
21193 \everypar{\global\@nobreakfalse\everypar{}}
21194 \fi
21195 \fi
21196 \endgroup
21197 \fi}
21198 \fi
21199 \if@cfthaschapter
21200 \renewcommand*{\l@chapter}[2]{
21201 \ifnum \c@tocdepth >\m@ne
21202 \addpenalty{-\@highpenalty}
21203 \vskip \cftbeforechapskip
21204 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
21205 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21206 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21207 \parindent \cftchapindent\relax\@afterindenttrue
21208 \interlinepenalty\@M
21209 \leavevmode
21210 \@tempdima \cftchapnumwidth\relax
21211 \let\@cftbsnum \cftchappresnum
21212 \let\@cftasnum \cftchapaftersnum
21213 \let\@cftasnumb \cftchapaftersnumb
21214 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21215 {\cftchapfont #1}\nobreak
21216 \cftchapfillnum{#2}}
21217 \fi}
21218 \fi
21219 \renewcommand*{\l@section}[2]{%
21220 \ifnum \c@tocdepth >\z@
21221 \if@cfthaschapter
21222 \vskip \cftbeforesecskip
21223 \else
21224 \addpenalty\@secpenalty
21225 \addvspace{\cftbeforesecskip}
21226 \fi
21227 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
21228 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21229 \parfillskip -\if@RTL\leftskip\else\righskip\fi
21230 \parindent \cftsecindent\relax\@afterindenttrue
21231 \interlinepenalty\@M
21232 \leavevmode
21233 \@tempdima \cftsecnumwidth\relax
21234 \let\@cftbsnum \cftsecpresnum
21235 \let\@cftasnum \cftsecaftersnum
21236 \let\@cftasnumb \cftsecaftersnumb
21237 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21238 {\cftsecfont #1}\nobreak
21239 \cftsecfillnum{#2}}
21240 \fi}

```



```

21241 \renewcommand*{\l@section}[2]{%
21242   \ifnum \c@tocdepth >\@ne
21243     \vskip \cftbeforesubsecskip
21244     {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
21245      \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21246      \parfillskip -\if@RTL\leftskip\else\righskip\fi
21247      \parindent \cftsubsecindent\relax\@afterindenttrue
21248      \interlinepenalty\@M
21249      \leavevmode
21250      \@tempdima \cftsubsecnumwidth\relax
21251      \let\@cftbsnum \cftsubsecpresnum
21252      \let\@cftasnum \cftsubsecaftersnum
21253      \let\@cftasnumb \cftsubsecaftersnumb
21254      \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21255      {\cftsubsecfont #1}\nobreak
21256      \cftsubsecfillnum{#2}}
21257   \fi}
21258 \renewcommand*{\l@subsubsection}[2]{%
21259   \ifnum \c@tocdepth >\tw@
21260     \vskip \cftbeforesubsubsecskip
21261     {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
21262      \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21263      \parfillskip -\if@RTL\leftskip\else\righskip\fi
21264      \parindent \cftsubsubsecindent\relax\@afterindenttrue
21265      \interlinepenalty\@M
21266      \leavevmode
21267      \@tempdima \cftsubsubsecnumwidth\relax
21268      \let\@cftbsnum \cftsubsubsecpresnum
21269      \let\@cftasnum \cftsubsubsecaftersnum
21270      \let\@cftasnumb \cftsubsubsecaftersnumb
21271      \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21272      {\cftsubsubsecfont #1}\nobreak
21273      \cftsubsubsecfillnum{#2}}
21274   \fi}
21275 \renewcommand*{\l@paragraph}[2]{%
21276   \ifnum \c@tocdepth >3\relax
21277     \vskip \cftbeforeparaskip
21278     {\if@RTL\righskip\else\leftskip\fi \cftparaindent\relax
21279      \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21280      \parfillskip -\if@RTL\leftskip\else\righskip\fi
21281      \parindent \cftparaindent\relax\@afterindenttrue
21282      \interlinepenalty\@M
21283      \leavevmode
21284      \@tempdima \cftparanumwidth\relax
21285      \let\@cftbsnum \cftparapresnum
21286      \let\@cftasnum \cftparaaftersnum
21287      \let\@cftasnumb \cftparaaftersnumb
21288      \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21289      {\cftparafont #1}\nobreak
21290      \cftparafillnum{#2}}
21291   \fi}
21292 \renewcommand*{\l@subparagraph}[2]{%
21293   \ifnum \c@tocdepth >4\relax
21294     \vskip \cftbeforesubparaskip

```



```

21295     {\if@RTL\righskip\else\leftskip\fi \cftsubparaindent\relax
21296     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21297     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21298     \parindent \cftsubparaindent\relax\@afterindenttrue
21299     \interlinepenalty\@M
21300     \leavevmode
21301     \@tempdima \cftsubparanumwidth\relax
21302     \let\@cftbsnum \cftsubparapresnum
21303     \let\@cftasnum \cftsubparaaftersnum
21304     \let\@cftasnumb \cftsubparaaftersnumb
21305     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21306     {\cftsubparafont #1}\nobreak
21307     \cftsubparafillnum{#2}}
21308   \fi}
21309 \renewcommand*{\l@figure}[2]{%
21310   \ifnum \c@lofdepth >\z@
21311     \vskip \cftbeforefigskip
21312     {\if@RTL\righskip\else\leftskip\fi \cftfigindent\relax
21313     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21314     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21315     \parindent \cftfigindent\relax\@afterindenttrue
21316     \interlinepenalty\@M
21317     \leavevmode
21318     \@tempdima \cftfignumwidth\relax
21319     \let\@cftbsnum \cftfigpresnum
21320     \let\@cftasnum \cftfigaftersnum
21321     \let\@cftasnumb \cftfigaftersnumb
21322     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21323     {\cftfigfont #1}\nobreak
21324     \cftfigfillnum{#2}}
21325   \fi
21326 }
21327 \renewcommand*{\l@table}[2]{%
21328   \ifnum \c@lotdepth >\z@
21329     \vskip \cftbeforetabskip
21330     {\if@RTL\righskip\else\leftskip\fi \cfttabindent\relax
21331     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
21332     \parfillskip -\if@RTL\leftskip\else\righskip\fi
21333     \parindent \cfttabindent\relax\@afterindenttrue
21334     \interlinepenalty\@M
21335     \leavevmode
21336     \@tempdima \cfttabnumwidth\relax
21337     \let\@cftbsnum \cfttabpresnum
21338     \let\@cftasnum \cfttabaftersnum
21339     \let\@cftasnumb \cfttabaftersnumb
21340     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21341     {\cfttabfont #1}\nobreak
21342     \cfttabfillnum{#2}}
21343   \fi
21344 }
21345 \renewcommand{\@cftl@subfig}{
21346 \renewcommand*{\l@subfigure}[2]{%
21347   \ifnum \c@lofdepth > \toclevel@subfigure
21348     \vskip \cftbeforesubfigskip

```



```

21349 { \if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
21350 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21351 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21352 \parindent \cftsubfigindent\relax\@afterindenttrue
21353 \interlinepenalty\@M
21354 \leavevmode
21355 \@tempdima \cftsubfignumwidth\relax
21356 \let\@cftbsnum \cftsubfigpresnum
21357 \let\@cftasnum \cftsubfigaftersnum
21358 \let\@cftasnumb \cftsubfigaftersnumb
21359 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21360 {\cftsubfigfont ##1}\nobreak
21361 \cftsubfigfillnum{##2}}
21362 \fi
21363 }
21364 }
21365 \renewcommand{\@cftl@subtab}{
21366 \renewcommand*{\l@subtable}[2]{%
21367 \ifnum \c@lotdepth > \toclevel@subtable
21368 \vskip \cftbeforesubtabskip
21369 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
21370 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21371 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21372 \parindent \cftsubtabindent\relax\@afterindenttrue
21373 \interlinepenalty\@M
21374 \leavevmode
21375 \@tempdima \cftsubtabnumwidth\relax
21376 \let\@cftbsnum \cftsubtabpresnum
21377 \let\@cftasnum \cftsubtabaftersnum
21378 \let\@cftasnumb \cftsubtabaftersnumb
21379 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21380 {\cftsubtabfont ##1}\nobreak
21381 \cftsubtabfillnum{##2}}
21382 \fi
21383 }
21384 }
21385 \renewcommand{\newlistentry}[4][\@empty]{%
21386 \@ifundefined{c@#2}{% check & set the counter
21387 \ifx \@empty#1\relax
21388 \newcounter{#2}
21389 \else
21390 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
21391 {#1 has no counter for use as a `within'}}
21392 \newcounter{#2}}%
21393 {\newcounter{#2}[#1}%
21394 \expandafter\edef\csname the#2\endcsname{%
21395 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
21396 \fi
21397 \setcounter{#2}{0}
21398 }
21399 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
21400
21401 \@namedef{l@#2}##1##2{%
21402 \ifnum \@nameuse{c@#3depth} > #4\relax

```




```

21403 \vskip \@nameuse{cftbefore#2skip}
21404 {\if@RTL\rightrightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
21405 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
21406 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
21407 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
21408 \interlinepenalty\@M
21409 \leavevmode
21410 \@tempdima \@nameuse{cft#2numwidth}\relax
21411 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
21412 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
21413 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
21414 \advance\if@RTL\rightrightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
21415 {\@nameuse{cft#2font}##1}\nobreak
21416 \@nameuse{cft#2fillnum}{##2}}
21417 \fi
21418 } % end of \l@#2
21419
21420 \expandafter\newlength\csname cftbefore#2skip\endcsname
21421 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
21422 \expandafter\newlength\csname cft#2indent\endcsname
21423 \expandafter\newlength\csname cft#2numwidth\endcsname
21424 \ifcase #4\relax % 0
21425 \setlength{\@nameuse{cft#2indent}}{0em}
21426 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
21427 \or % 1
21428 \setlength{\@nameuse{cft#2indent}}{1.5em}
21429 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
21430 \or % 2
21431 \setlength{\@nameuse{cft#2indent}}{3.8em}
21432 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
21433 \or % 3
21434 \setlength{\@nameuse{cft#2indent}}{7.0em}
21435 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
21436 \else % anything else
21437 \setlength{\@nameuse{cft#2indent}}{10.0em}
21438 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
21439 \fi
21440 \@namedef{cft#2font}{\normalfont}
21441 \@namedef{cft#2presnum}{\relax}
21442 \@namedef{cft#2aftersnum}{\relax}
21443 \@namedef{cft#2aftersnumb}{\relax}
21444 \@namedef{cft#2dotsep}{\cftdotsep}
21445 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
21446 \@namedef{cft#2pagefont}{\normalfont}
21447 \@namedef{cft#2afterpnum}{\relax}
21448 \@namedef{toclevel@#2}{#4}
21449 \@namedef{cft#2fillnum}##1{%
21450 {\@nameuse{cft#2leader}}\nobreak
21451 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
21452 } % end \newlistentry
21453 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
21454 {\if@RTL\rightrightskip\else\leftskip\fi \cftchapindent\relax
21455 \advance\if@RTL\rightrightskip\else\leftskip\fi \cftchapnumwidth\relax
21456 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg\relax

```



```
21457 \textit{#1}\protect\par}}}
```

140 File tocbasic-xetex-bidi.def

```
21458 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/05/27 v0.4 bidi adaptations for tocbasic package]
21459 \bidiundef\scr@dte@def@l@undottedtocline
21460 \bidiundef\scr@dte@undottedtocline@init
21461 \DeclareTOCEntryStyle{undottedtocline}[{%
21462   \DefineTOCEntryLengthOption{indent}%
21463   {scr@tso@}{@indent}{entry indent}%
21464   \DefineTOCEntryLengthOption{numwidth}%
21465   {scr@tso@}{@numwidth}{entry number width}%
21466   \@ifundefined{#1tocdepth}{%
21467     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21468       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21469         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21470           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21471             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21472               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21473                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21474                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21475                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21476                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
21477                         \csname #1numdepth\endcsname
21478                     }%
21479                 }%
21480             }%
21481         }%
21482     }%
21483 }%
21484 }%
21485 }%
21486 }%
21487 }{}%
21488 \@ifundefined{scr@tso@#1@indent}{%
21489   \@ifundefined{scr@#1@tocindent}{%
21490     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21491       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21492         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21493           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21494             \scr@ifundefinedorrelax{l@chapter}{%
21495               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
21496                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21497                   \Ifstr{#1}{subsubsection}{%
21498                     \@namedef{scr@tso@#1@indent}{3.8em}%
21499                 }%
21500               \Ifstr{#1}{paragraph}{%
21501                 \@namedef{scr@tso@#1@indent}{7em}%
21502             }%
21503           \Ifstr{#1}{subparagraph}{%
21504             \@namedef{scr@tso@#1@indent}{10em}%
21505           }%
21506         }%
21507       }%
21508     }%
21509   }%
21510 }
```



```

21508         }%
21509     }%
21510 }%
21511 }{%
21512     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21513         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21514             \Ifstr{#1}{subsubsection}{%
21515                 \@namedef{scr@tso@#1@indent}{7.0em}%
21516             }{%
21517                 \Ifstr{#1}{paragraph}{%
21518                     \@namedef{scr@tso@#1@indent}{10em}%
21519                 }{%
21520                     \Ifstr{#1}{subparagraph}{%
21521                         \@namedef{scr@tso@#1@indent}{12em}%
21522                     }{%
21523                         }%
21524                     }%
21525                 }%
21526             }%
21527         }%
21528     }%
21529 }%
21530 }%
21531 }%
21532 }%
21533 }{%
21534     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21535 }%
21536 }{%}%
21537 \@ifundefined{scr@tso@#1@numwidth}{%
21538     \@ifundefined{scr@#1@tocnumwidth}{%
21539         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21540             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21541                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21542                     \scr@ifundefinedorrelax{chapter}{%
21543                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
21544                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21545                                 \Ifstr{#1}{subsubsection}{%
21546                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
21547                                 }{%
21548                                     \Ifstr{#1}{paragraph}{%
21549                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
21550                                     }{%
21551                                         \Ifstr{#1}{subparagraph}{%
21552                                             \@namedef{scr@tso@#1@numwidth}{5m}%
21553                                         }{%
21554                                             }%
21555                                         }%
21556                                     }%
21557                                 }%
21558                             }%
21559                         }{%
21560                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
21561                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%

```



```

21562         \Ifstr{#1}{subsubsection}{%
21563             \@namedef{scr@tso@#1@numwidth}{3.1em}%
21564         }{%
21565             \Ifstr{#1}{paragraph}{%
21566                 \@namedef{scr@tso@#1@numwidth}{5em}%
21567             }{%
21568                 \Ifstr{#1}{subparagraph}{%
21569                     \@namedef{scr@tso@#1@numwidth}{6em}%
21570                 }{%
21571                     }%
21572                 }%
21573             }%
21574         }%
21575     }%
21576 }%
21577 }%
21578 }%
21579 }%
21580 }{%
21581     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
21582 }%
21583 }{}%
21584 }]{%
21585 \ifnum \c@tocdepth >\numexpr \@nameuse{#1@tocdepth}-\@ne\relax
21586     \ifnum \@nameuse{#1@tocdepth}<\@ne
21587         \scr@ifundefinedorrelax{chapter}{%
21588             \addpenalty\@secpenalty
21589             \addvspace{1.0em \@plus\p@}%
21590         }{%
21591             \addpenalty{-\@highpenalty}%
21592             \vskip 1.0em \@plus\p@
21593         }%
21594     \else
21595         \addpenalty\@secpenalty
21596         \addvspace{1.0em \@plus\p@}%
21597     \fi
21598     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
21599     \begingroup
21600         \parindent \z@ \bidi@rightskip \@pnumwidth
21601         \parfillskip -\@pnumwidth
21602         \leavevmode
21603         \bfseries
21604         \advance\bidi@leftskip\@tempdima
21605         \Iftocfeature{\@current}{noindent}{%
21606             \hskip -\bidi@leftskip
21607         }{%
21608             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
21609             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
21610         }%
21611         ##1%
21612         \nobreak
21613         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
21614         \par
21615         \penalty\@highpenalty

```



```

21616 \endgroup
21617 \fi
21618 }
21619
21620 \bidi@undef\scr@dte@def@l@largetocline
21621 \bidi@undef\scr@dte@largetocline@init
21622 \DeclareTOCEntryStyle{largetocline}[{%
21623 \DefineTOCEntryLengthOption{indent}%
21624 {scr@tso@}{@indent}{entry indent}%
21625 \@ifundefined{#1tocdepth}{%
21626 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21627 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21628 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21629 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21630 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21631 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21632 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
21633 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21634 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21635 \expandafter\let\csname #1tocdepth\expandafter\endcsname
21636 \csname #1numdepth\endcsname
21637 }%
21638 }%
21639 }%
21640 }%
21641 }%
21642 }%
21643 }%
21644 }%
21645 }%
21646 }{}}%
21647 \@ifundefined{scr@tso@#1@indent}{%
21648 \@ifundefined{scr@#1@tocindent}{%
21649 \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21650 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21651 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
21652 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
21653 \scr@ifundefinedorrelax{l@chapter}{%
21654 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
21655 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21656 \Ifstr{#1}{subsubsection}{%
21657 \@namedef{scr@tso@#1@indent}{3.8em}%
21658 }%
21659 \Ifstr{#1}{paragraph}{%
21660 \@namedef{scr@tso@#1@indent}{7em}%
21661 }%
21662 \Ifstr{#1}{subparagraph}{%
21663 \@namedef{scr@tso@#1@indent}{10em}%
21664 }%
21665 }%
21666 }%
21667 }%
21668 }%
21669 }%

```



```

21670         }{%
21671         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
21672         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
21673         \Ifstr{#1}{subsubsection}{%
21674         \@namedef{scr@tso@#1@indent}{7.0em}%
21675         }{%
21676         \Ifstr{#1}{paragraph}{%
21677         \@namedef{scr@tso@#1@indent}{10em}%
21678         }{%
21679         \Ifstr{#1}{subparagraph}{%
21680         \@namedef{scr@tso@#1@indent}{12em}%
21681         }{%
21682         }%
21683         }%
21684         }%
21685         }%
21686         }%
21687         }%
21688         }%
21689         }%
21690         }%
21691         }%
21692         }{%
21693         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21694         }%
21695         }{}%
21696     }]{%
21697     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
21698     \ifnum \@nameuse{#1tocdepth} < \@ne
21699     \scr@ifundefinedorrelax{chapter}{%
21700     \addpenalty\@secpenalty
21701     \addvspace{2.25em \@plus\p@}%
21702     }{%
21703     \addpenalty{-\@highpenalty}%
21704     \addvspace{2.25em \@plus\p@}%
21705     }%
21706     \else
21707     \addpenalty\@secpenalty
21708     \addvspace{2.25em \@plus\p@}%
21709     \fi
21710     \setlength\@tempdima{3em}%
21711     \begingroup
21712     \parindent \z@ \bidi@rightskip \@pnumwidth
21713     \parfillskip -\@pnumwidth
21714     \leavevmode
21715     \large
21716     \bfseries
21717     \Iftocfeature{\@currentx}{noindent}{%
21718     }{%
21719     \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
21720     }%
21721     ##1%
21722     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
21723     \par

```



```

21724 \nobreak
21725 \ifnum 0=
21726 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
21727 \global\@nobreaktrue
21728 \everypar{\global\@nobreakfalse\everypar{}}%
21729 \fi
21730 \endgroup
21731 \fi
21732 }
21733
21734 \renewcommand*{\scr@dte@tocline}[3]{%
21735 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
21736 \else
21737 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
21738 \addvspace{\@nameuse{scr@tso@#1beforeskip}}\relax
21739 \@nameuse{Ifscr@tso@#1dynindent}{%
21740 \expandafter\ifx\csname scr@tso@#1indentfollows\endcsname\@empty
21741 \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
21742 \else
21743 \edef\reserved@a{\@nameuse{scr@tso@#1indentfollows}}%
21744 \@for \reserved@a:=\reserved@a\do {%
21745 \scr@trim@spaces\reserved@a
21746 \ifx\reserved@a\@empty\else
21747 \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
21748 }{%
21749 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
21750 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
21751 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
21752 \scr@ifundefinedorrelax
21753 {scr@dte@\reserved@a @lastmaxnumwidth}{%
21754 \advance\@tempdima
21755 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
21756 }{%
21757 \advance\@tempdima
21758 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
21759 }%
21760 }{%
21761 \advance\@tempdima
21762 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
21763 }%
21764 \ifdim \@tempdima>\@nameuse{scr@tso@#1indent}\relax
21765 \expandafter\edef\csname scr@tso@#1indent\endcsname
21766 {\the\@tempdima}%
21767 \fi
21768 \fi
21769 }%
21770 \fi
21771 }%
21772 \fi
21773 }{}%
21774 {%
21775 \Iftocfeature{\@currentx}{noindent}{%
21776 \bidi@leftskip \z@
21777 }{%

```



```

21778      \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
21779    }%
21780    \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
21781    \parfillskip -\bidi@rightskip
21782    \@nameuse{Ifscr@tso@#1@raggedpage}{%
21783      \addtolength{\parfillskip}{\z@ \@plus 1fil}%
21784    }{}%
21785    \iftocfeature{\@currentx}{noindent}{%
21786      \parindent \z@
21787    }{%
21788      \parindent \@nameuse{scr@tso@#1@indent}\relax
21789    }%
21790    \@afterindenttrue
21791    \interlinepenalty\@M
21792    \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
21793      \addtolength\bidi@rightskip\@flushglue
21794    \else
21795      \def\reserved@a{\raggedright}%
21796      \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
21797        \addtolength\bidi@rightskip\@flushglue
21798      \else
21799        \renewcommand\reserved@a{\raggedright}%
21800        \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
21801          \addtolength\bidi@rightskip\@flushglue
21802        \fi
21803      \fi
21804    \fi
21805    \leavevmode
21806    \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
21807    \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
21808      \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
21809      \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
21810        \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
21811      \fi
21812    }%
21813  }{}%
21814  \advance\bidi@leftskip \@tempdima
21815  \null\nobreak\hskip -\bidi@leftskip
21816  {%
21817    \usetocbasicnumberline
21818    \let\scr@dte@numberline@box\numberline@box
21819    \def\numberline@box##1{%
21820      \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
21821    \global\scr@dte@tocline@numberwidth
21822    \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
21823    \relax
21824    \ifdim \scr@dte@tocline@numberwidth
21825      >\@nameuse{scr@dte@#1@maxnumwidth}\relax
21826      \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
21827    \fi
21828    \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
21829    \ifdim \scr@dte@tocline@numberwidth
21830      >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
21831      +\@nameuse{scr@tso@#1@numsep}\relax\relax

```




```

21832 \PackageWarning{tocbasic}{%
21833   number width of #1 toc entries should be
21834   increased!\MessageBreak
21835   Currently used number width =
21836   \the\wd\scr@dte@tocline@numbox,\MessageBreak
21837   Wanted number separation
21838   \space\space\space =
21839   \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
21840   Reserved number width \space\space\space\space\space\space =
21841   \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
21842 }%
21843 \fi
21844 }%
21845 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
21846 \@nameuse{Ifscr@tso@#1@breakafternumber}}{%
21847   {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
21848 }{}%
21849 }%
21850 {\@nameuse{scr@tso@#1@entryformat}}{%
21851   #2%
21852   \nobreak
21853   {%
21854     \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
21855     \nobreak
21856     \expandafter\let\expandafter\scr@dte@pagenumberwidth
21857     \csname scr@tso@#1@pagenumberwidth\endcsname
21858     \@nameuse{scr@tso@#1@pagenumberbox}}{%
21859       \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
21860   }%
21861 }%
21862 }}\@par
21863 }%
21864 }%
21865 \tocbasic@SetPenaltyByTOCLevel{#1}%
21866 \fi
21867 }
21868
21869
21870 \bidi@undef\scr@dte@def@l@tocline
21871 \bidi@undef\scr@dte@tocline@init
21872 \DeclareTOCEntryStyle{tocline}{{%
21873   \DefineTOCEntryLengthOption{before skip}%
21874     {scr@tso@}{@before skip}{vertical skip before the entry}%
21875   \DefineTOCEntryIfOption{break after number}%
21876     {scr@tso@}{@break after number}{line break after number flag}%
21877   \DefineTOCEntryIfOption{dynnumwidth}%
21878     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
21879   \DefineTOCEntryListOption{indent follows}%
21880     {scr@tso@}{@indent follows}{list of levels that define the indent}%
21881   \DefineTOCEntryIfOption{dynindent}%
21882     {scr@tso@}{@dynindent}{dynamic indent width flag}%
21883   \DefineTOCEntryCommandOption{entry format}%
21884     {scr@tso@}{@entry format}[1]{entry format}%
21885   \DefineTOCEntryCommandOption{entry number format}%

```



```

21886 {scr@tso@}{@numberformat}[1]{entry number format}%
21887 \DefineTOCEntryCommandOption{linefill}{\TOCLineLeaderFill}%
21888 {scr@tso@}{@linefill}{filling between text and page number}%
21889 \DefineTOCEntryLengthOption{numsep}%
21890 {scr@tso@}{@numsep}{entry number separation}%
21891 \DefineTOCEntryCommandOption{onstarthigherlevel}%
21892 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
21893 \DefineTOCEntryCommandOption{onstartlowerlevel}%
21894 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
21895 \DefineTOCEntryCommandOption{onstartsamelevel}%
21896 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
21897 \DefineTOCEntryCommandOption{pagenumberbox}%
21898 {scr@tso@}{@pagenumberbox}[1]{page number box}%
21899 \DefineTOCEntryCommandOption{pagenumberformat}%
21900 {scr@tso@}{@pagenumberformat}[1]{page number format}%
21901 \DefineTOCEntryLengthOption{pagenumberwidth}%
21902 {scr@tso@}{@pagenumberwidth}{width of page number box}%
21903 \DefineTOCEntryLengthOption{rightindent}%
21904 {scr@tso@}{@rightindent}{entry's text right indent}%
21905 \DefineTOCEntryOption{raggedentrytext}[true]{%
21906 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
21907 \ifx\FamilyKeyState\FamilyKeyStateProcessed
21908 \if@tempswa
21909 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
21910 \raggedright
21911 \else
21912 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
21913 \relax
21914 \fi
21915 \fi
21916 }%
21917 \DefineTOCEntryIfOption{raggedpagenumber}%
21918 {scr@tso@}{@raggedpage}{page number ragged flag}%
21919 \DefineTOCEntryLengthOption{indent}%
21920 {scr@tso@}{@indent}{entry indent}%
21921 \DefineTOCEntryLengthOption{numwidth}%
21922 {scr@tso@}{@numwidth}{entry number width}%
21923 \scr@ifundefinedorrelax{#1tocdepth}{%
21924 \Ifstrstart{#1}{sub}{%
21925 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
21926 \expandafter\edef\csname #1tocdepth\endcsname{%
21927 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
21928 }%
21929 }%
21930 }{}%
21931 }{}%
21932 \@ifundefined{#1tocdepth}{%
21933 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
21934 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
21935 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
21936 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
21937 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
21938 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
21939 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%

```



```

21940         \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
21941         \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
21942             \expandafter\let\csname #1tocdepth\expandafter\endcsname
21943             \csname #1numdepth\endcsname
21944         }%
21945     }%
21946 }%
21947 }%
21948 }%
21949 }%
21950 }%
21951 }%
21952 }%
21953 }{%
21954 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
21955     \ifundefined{scr@#1@tocindent}{%
21956         \Ifstrstart{#1}{sub}{%
21957             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
21958                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
21959                 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
21960                     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
21961                 \relax
21962             }%
21963         }%
21964     }{%
21965         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
21966             \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
21967                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
21968             \relax
21969         }%
21970     }{%
21971         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
21972             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
21973             +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
21974         \relax
21975     }%
21976 }%
21977 }%
21978 }{%
21979 }{%
21980     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
21981 }%
21982 }{%
21983 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
21984     \Ifstrstart{#1}{sub}{%
21985         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{%
21986             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
21987         }{%
21988             \expandafter\let
21989             \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
21990             \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
21991         }%
21992     }{%
21993         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%

```



```

21994     }%
21995   }{}%
21996   \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
21997     \Ifstrstart{#1}{sub}{%
21998       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{%
21999         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
22000       }{%
22001         \expandafter\let
22002         \csname scr@tso@#1@rightindent\expandafter\endcsname
22003         \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
22004       }%
22005     }{%
22006       \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
22007     }%
22008   }{}%
22009   \@ifundefined{scr@tso@#1@indent}{%
22010     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22011     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22012     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22013     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22014     \scr@ifundefinedorrelax{l@chapter}{%
22015       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
22016       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22017       \Ifstr{#1}{subsubsection}{%
22018         \@namedef{scr@tso@#1@indent}{3.8em}%
22019       }{%
22020         \Ifstr{#1}{paragraph}{%
22021           \@namedef{scr@tso@#1@indent}{7em}%
22022         }{%
22023           \Ifstr{#1}{subparagraph}{%
22024             \@namedef{scr@tso@#1@indent}{10em}%
22025           }{%
22026             }%
22027           }%
22028         }%
22029       }%
22030     }%
22031   }{}%
22032   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22033   \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22034   \Ifstr{#1}{subsubsection}{%
22035     \@namedef{scr@tso@#1@indent}{7.0em}%
22036   }{%
22037     \Ifstr{#1}{paragraph}{%
22038       \@namedef{scr@tso@#1@indent}{10em}%
22039     }{%
22040       \Ifstr{#1}{subparagraph}{%
22041         \@namedef{scr@tso@#1@indent}{12em}%
22042       }{%
22043         }%
22044       }%
22045     }%
22046   }%
22047 }%

```



```

22048         }%
22049     }%
22050     }%
22051     }%
22052 }%
22053 }{}%
22054 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
22055     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
22056         \Ifstrstart{#1}{sub}{%
22057             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
22058             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
22059                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
22060                 +.9em%
22061             }\relax
22062         }%
22063     }%
22064 }{}%
22065 }{%
22066     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
22067 }%
22068 }{}%
22069 \@ifundefined{scr@tso@#1@numwidth}{%
22070     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22071     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22072     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22073     \scr@ifundefinedorrelax{chapter}{%
22074         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22075         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22076         \Ifstr{#1}{subsubsection}{%
22077             \@namedef{scr@tso@#1@numwidth}{3.2em}%
22078         }{%
22079             \Ifstr{#1}{paragraph}{%
22080                 \@namedef{scr@tso@#1@numwidth}{4.1em}%
22081             }{%
22082                 \Ifstr{#1}{subparagraph}{%
22083                     \@namedef{scr@tso@#1@numwidth}{5m}%
22084                 }{%
22085                     }%
22086                 }%
22087             }%
22088         }%
22089     }%
22090 }{%
22091     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22092     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
22093     \Ifstr{#1}{subsubsection}{%
22094         \@namedef{scr@tso@#1@numwidth}{3.1em}%
22095     }{%
22096         \Ifstr{#1}{paragraph}{%
22097             \@namedef{scr@tso@#1@numwidth}{5em}%
22098         }{%
22099             \Ifstr{#1}{subparagraph}{%
22100                 \@namedef{scr@tso@#1@numwidth}{6em}%
22101             }{%

```



```

22102         }%
22103     }%
22104 }%
22105 }%
22106 }%
22107 }%
22108 }%
22109 }%
22110 }%
22111 }{}%
22112 \expandafter\renewcommand%
22113 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
22114 \expandafter\renewcommand%
22115 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
22116 \expandafter\renewcommand%
22117 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
22118 \@ifundefined{scr@tso@#1@beforeskip}{%
22119     \Ifstr{#1}{part}{%
22120         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
22121     }{%
22122         \Ifstr{#1}{chapter}{%
22123             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
22124         }{%
22125             \Ifstr{#1}{section}{%
22126                 \scr@ifundefinedorrelax{1@chapter}{%
22127                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
22128                 }{}%
22129             }{}%
22130         }%
22131     }%
22132     \expandafter\renewcommand\expandafter*%
22133     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
22134 }{}%
22135 \@ifundefined{scr@dte@#1@maxnumwidth}{%
22136     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
22137     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
22138 }{}%
22139 \renewcommand*{\scr@dte@donumwidth}{}%
22140 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
22141 \expandafter\renewcommand\expandafter*%
22142 \csname scr@tso@#1@numsep\endcsname{.4em}%
22143 \expandafter\renewcommand%
22144 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
22145 \Ifstr{#1}{part}{%
22146     \expandafter\providecommand%
22147     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
22148 }{%
22149     \Ifstr{#1}{chapter}{%
22150         \expandafter\providecommand%
22151         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
22152     }{%
22153         \scr@ifundefinedorrelax{1@chapter}{%
22154             \Ifstr{#1}{section}{%
22155                 \expandafter\providecommand%

```



```

22156         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
22157     }{}%
22158 }{}%
22159 \expandafter\providecommand%
22160 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
22161 }%
22162 }%
22163 \expandafter\renewcommand
22164 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
22165 \@ifundefined{scr@tso@#1@linefill}{%
22166     \Ifstr{#1}{part}{%
22167         \@namedef{scr@tso@#1@linefill}{\hfill}%
22168     }{%
22169         \Ifstr{#1}{chapter}{%
22170             \@namedef{scr@tso@#1@linefill}{\hfill}%
22171         }{%
22172             \scr@ifundefinedorrelax{1@chapter}{%
22173                 \Ifstr{#1}{section}{%
22174                     \@namedef{scr@tso@#1@linefill}{\hfill}%
22175                 }{}%
22176             }{}%
22177             \expandafter\renewcommand%
22178             \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22179         }%
22180     }{}%
22181 }{}%
22182 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
22183 \Ifstr{#1}{part}{%
22184     \expandafter\providecommand%
22185     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
22186 }{%
22187     \Ifstr{#1}{chapter}{%
22188         \expandafter\providecommand%
22189         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
22190     }{%
22191         \scr@ifundefinedorrelax{1@chapter}{%
22192             \Ifstr{#1}{section}{%
22193                 \expandafter\providecommand%
22194                 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
22195             }{}%
22196         }{}%
22197         \expandafter\providecommand%
22198         \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22199             {\normalfont\normalcolor ##1}}%
22200     }%
22201 }%
22202 \expandafter\renewcommand%
22203 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
22204     \hb@xt@{\@nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
22205 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
22206 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
22207 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
22208     \Ifstrstart{#1}{sub}{%
22209         \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%

```



```

22210         \scr@dte@nosub{#1}%
22211     }%
22212 }{%
22213     \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
22214 }%
22215 }{%}%
22216 }]{%
22217     \scr@dte@tocline{#1}{##1}{##2}%
22218 }
22219
22220 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
22221     {\normalfont\normalcolor #1}%
22222 }
22223
22224 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
22225     {\normalfont\normalcolor #1}%
22226 }
22227

```

141 File tocstyle-xetex-bidi.def

```

22228 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
22229 \renewcommand*{\tocstyle@dottedtocline}[5]{%
22230     \let\numberline\tocstyle@numberline
22231     \ifnum #1>\c@tocdepth \else
22232         \if@tocstyle@penalties
22233             \begingroup
22234                 \@tempcnta 20010
22235                 \advance \@tempcnta by -#1
22236                 \ifnum \@tempcnta>\lastpenalty
22237                     \aftergroup\penalty\aftergroup\@lowpenalty
22238                 \fi
22239             \endgroup
22240         \fi
22241         \edef\tocstyledepth{#1}%
22242         \tocstyle@activate@features
22243         \ifx\tocstyle@feature@entryvskip\relax
22244             \vskip \z@ \@plus.2\p@
22245         \else
22246             \addvspace{\tocstyle@feature@entryvskip}%
22247         \fi
22248     {%
22249         \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
22250         \tocstyle@feature@raggedhook
22251         \@tempdima #3\relax
22252         \@tempdimb #2\relax
22253         \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22254         \ifnum #1>\z@\relax
22255             \@tempcnta #1\relax \advance\@tempcnta \m@ne
22256             \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22257                 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22258                     \@tempdimb
22259                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22260                 \advance\@tempdimb

```




```

22261         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22262     \fi
22263 \fi
22264 \fi
22265 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22266 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
22267     \ifdim \@tempdimb>
22268         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
22269         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
22270             @#1\endcsname{\the\@tempdimb}%
22271     \fi
22272 \else
22273     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
22274         @#1\endcsname{\the\@tempdimb}%
22275 \fi
22276 \iftocstyle@autolength
22277     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
22278         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
22279         \relax
22280     \fi
22281     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
22282         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
22283         \relax
22284     \fi
22285     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22286     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22287 \else
22288     \@tempdimb #2\relax
22289     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22290 \fi
22291 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
22292     \ifdim \@tempdima>
22293         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
22294         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
22295             @\endcsname{\the\@tempdima}%
22296     \fi
22297 \else
22298     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
22299         @\endcsname{\the\@tempdima}%
22300 \fi
22301 \ifcase\tocstyle@indentstyle\relax\else
22302     \@tempdimb \z@
22303     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
22304         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
22305         \relax
22306     \fi
22307     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22308     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22309 \fi
22310 \advance\parindent \@tempdimb\@afterindenttrue
22311 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
22312 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22313 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22314 \ifx\tocstyle@feature@parfillskip\relax\else

```



```

22315      \advance\parfillskip \tocstyle@feature@parfillskip\relax
22316      \fi
22317      \interlinepenalty\@M
22318      \leavevmode
22319      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
22320      \null\nobreak
22321      \iftocstyle@indentnotnumbered\else
22322      \hskip -\if@RTL\rightskip\else\leftskip\fi
22323      \fi
22324      \tocstyle@feature@entryhook
22325      {#4}\nobreak
22326      \ifx\tocstyle@feature@leaders\relax
22327      \leaders\hbox{$\m@th
22328      \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
22329      \mkern \@dotsep mu$}\hfill
22330      \else
22331      \tocstyle@feature@leaders
22332      \fi
22333      \nobreak
22334      \ifx\tocstyle@feature@pagenumberbox\relax
22335      \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
22336      \else
22337      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
22338      \fi
22339      \par
22340      }%
22341      \iftocstyle@penalties
22342      \bgroup
22343      \@tempcnta 20009
22344      \advance\@tempcnta by -#1
22345      \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
22346      \reserved@a
22347      \fi
22348      \fi}
22349      \renewcommand*{\tocstyle@numberline}[1]{%
22350      \begingroup
22351      \ifx\tocstyle@feature@spaceafternumber\relax
22352      \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
22353      \else
22354      \settowidth\@tempdima{\tocstyle@numberline{#1}}%
22355      \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
22356      \fi
22357      \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
22358      \ifdim \@tempdima >
22359      \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
22360      \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
22361      @\tocstyledepth\endcsname{\the\@tempdima}%
22362      \fi
22363      \else
22364      \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
22365      @\tocstyledepth\endcsname{\the\@tempdima}%
22366      \fi
22367      \endgroup
22368      \iftocstyle@indentnotnumbered

```



```

22369 \hskip -\if@RTL\rightskip\else\leftskip\fi
22370 \fi
22371 \ifcase \tocstyle@indentstyle
22372 \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}%
22373 \or
22374 \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}%
22375 \else
22376 \ifx\tocstyle@feature@spaceafternumber\relax
22377 \hbox{\tocstyle@@numberline{#1}\enskip}%
22378 \else
22379 \hbox{\tocstyle@@numberline{#1}\hskip
22380 \tocstyle@feature@spaceafternumber\relax}%
22381 \fi
22382 \fi
22383 }
22384 \AtBeginDocument{%
22385 \ifcsname l@part\endcsname
22386 \ifcsname l@chapter\endcsname
22387 \setbox\@tempboxa\vbox{\hsize\maxdimen
22388 \l@part{\tocstyle@l@define{part}{-1}}}%
22389 \else
22390 \setbox\@tempboxa\vbox{\hsize\maxdimen
22391 \l@part{\tocstyle@l@define{part}{0}}}%
22392 \fi
22393 \fi
22394 \ifcsname l@chapter\endcsname
22395 \setbox\@tempboxa\vbox{\hsize\maxdimen
22396 \l@chapter{\tocstyle@l@define{chapter}{0}}}%
22397 \fi
22398 \ifcsname l@section\endcsname
22399 \setbox\@tempboxa\vbox{\hsize\maxdimen
22400 \l@section{\tocstyle@l@define{section}{1}}}%
22401 \fi
22402 \ifcsname l@subsection\endcsname
22403 \setbox\@tempboxa\vbox{\hsize\maxdimen
22404 \l@subsection{\tocstyle@l@define{subsection}{2}}}%
22405 \fi
22406 \ifcsname l@subsubsection\endcsname
22407 \setbox\@tempboxa\vbox{\hsize\maxdimen
22408 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}}%
22409 \fi
22410 \ifcsname l@paragraph\endcsname
22411 \setbox\@tempboxa\vbox{\hsize\maxdimen
22412 \l@paragraph{\tocstyle@l@define{paragraph}{4}}}%
22413 \fi
22414 \ifcsname l@subparagraph\endcsname
22415 \setbox\@tempboxa\vbox{\hsize\maxdimen
22416 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}}%
22417 \fi
22418 \ifcsname l@table\endcsname
22419 \setbox\@tempboxa\vbox{\hsize\maxdimen
22420 \l@table{\tocstyle@l@define{table}{1}}}%
22421 \fi
22422 \ifcsname l@figure\endcsname

```



```

22423 \setbox\@tempboxa\vbox{\hsize\maxdimen
22424 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
22425 \fi
22426 \def\@tempa#1#2#3#4#5{%
22427 \ifnum #1>\c@tocdepth \else
22428 \vskip \z@ \@plus.2\p@
22429 {\if@RTL\rightright\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightright\fi \@toc
22430 \parindent #2\relax\@afterindenttrue
22431 \interlinepenalty\@M
22432 \leavevmode
22433 \@tempdima #3\relax
22434 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
22435 {#4}\nobreak
22436 \leaders\hbox{$\m@th
22437 \mkern \dotsep mu\hbox{.}\mkern \dotsep
22438 mu$}\hfill
22439 \nobreak
22440 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
22441 \par}%
22442 \fi}%
22443 \ifx\@dottedtocline\@tempa\else
22444 \tocstyle@macrochangewarning\@dottedtocline
22445 \fi
22446 \let\tocstyle@saved@dottedtocline\@dottedtocline
22447 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
22448 \ifx\numberline\@tempa\else
22449 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
22450 \ifx\numberline\@tempa\else
22451 \tocstyle@macrochangewarning\numberline
22452 \fi
22453 \fi
22454 \let\tocstyle@saved@numberline\numberline
22455 }
22456 \renewcommand*\@tocstyle@l@define}[2]{%
22457 \advance\if@RTL\rightright\else\leftskip\fi-\@tempdima
22458 \edef\@tempa{%
22459 \noexpand\global\noexpand\let
22460 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
22461 \expandafter\noexpand\csname l@#1\endcsname
22462 \noexpand\gdef
22463 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
22464 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightright\else\leftskip\fi}{\the\@tempdima}}%
22465 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
22466 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
22467 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
22468 }%
22469 }%
22470 \PackageInfo{tocstyle}{prepare \expandafter\string
22471 \csname l@#1\endcsname\space for redefinition}%
22472 \@tempa
22473 }

```

142 File todonotes-xetex-bidi.def



```

22474 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
22475 \newif\if@bidi@todonotes@textdirection@RTL
22476 \newif\if@bidi@todonotes@figposition@right
22477 \newcommand{\@bidi@todonotes@align}{}%
22478 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
22479 \newcommand{\@bidi@todonotes@textdirection}{}%
22480 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
22481 \ifcase\@bidi@todonotes@tempb\relax
22482 \@bidi@todonotes@textdirection@RTLtrue
22483 \let\@bidi@todonotes@textdirection\RL
22484 \or
22485 \@bidi@todonotes@textdirection@RTLfalse
22486 \let\@bidi@todonotes@textdirection\LR
22487 \fi}
22488 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
22489 \ifcase\@bidi@todonotes@tempb\relax
22490 \@bidi@todonotes@figposition@righttrue
22491 \or
22492 \@bidi@todonotes@figposition@rightfalse
22493 \fi}
22494 \if@todonotes@disabled%
22495 \else % \if@todonotes@disabled
22496 \renewcommand{\@todonotes@drawInlineNote}{%
22497 \if@todonotes@dviStyle%
22498 {\par\noindent\begin{tikzpicture}[remember picture]%
22499 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
22500 \if@todonotes@authorgiven%
22501 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
22502 \else%
22503 {\noindent \@todonotes@sizecommand \@todonotes@text}%
22504 \fi
22505 {\par\noindent\begin{tikzpicture}[remember picture]%
22506 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
22507 \else%
22508 {\par\noindent\begin{tikzpicture}[remember picture]%
22509 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22510 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
22511 \if@todonotes@authorgiven%
22512 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
22513 \else%
22514 {\noindent \@todonotes@sizecommand \@todonotes@text}%
22515 \fi};%
22516 \end{tikzpicture}\par}%
22517 \fi}%
22518 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
22519 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
22520 \node [coordinate] (inText) {};%
22521 \end{tikzpicture}%
22522 \marginpar[{}]{% Draw note in left margin
22523 \@todonotes@drawMarginNote%
22524 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
22525 }]{% Draw note in right margin
22526 \@todonotes@drawMarginNote%
22527 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%

```



```

22528 }%
22529 }%
22530 \renewcommand{\@todonotes@drawMarginNote}{%
22531 \if@todonotes@dviStyle%
22532   \begin{tikzpicture}[remember picture]%
22533     \draw node[notestyle] {};%
22534   \end{tikzpicture}%
22535   \begin{minipage}{\@todonotes@textwidth}%
22536     \if@todonotes@authorgiven%
22537       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
22538     \else%
22539       \@todonotes@sizecommand \@todonotes@text%
22540     \fi%
22541   \end{minipage}%
22542   \begin{tikzpicture}[remember picture]%
22543     \draw node[notestyle] (inNote) {};%
22544   \end{tikzpicture}%
22545 \else%
22546   \let\originalHbadness\hbadness%
22547   \hbadness 10000%
22548   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
22549     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22550     \node(X){\vphantom{X}};%
22551     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22552     \if@todonotes@authorgiven%
22553       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand \@todonotes@author};%
22554       \node(Y)[below=of X]{};%
22555       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22556     \else%
22557       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22558     \fi%
22559   \end{tikzpicture}%
22560   \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
22561   \fi%
22562 \end{tikzpicture}%
22563 \hbadness \originalHbadness%
22564 \fi}%
22565 \renewcommand{\missingfigure}[2]{}%
22566 \setkeys{todonotes}{#1}%
22567 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
22568 \par
22569 \noindent
22570 \begin{tikzpicture}
22571 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
22572   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
22573 \if@bidi@todonotes@figposition@right%
22574 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
22575 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
22576   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
22577 \if@bidi@todonotes@figposition@right%
22578 \end{scope}
22579 \begin{scope}[xshift=-3.8cm]

```



```

22582 \fi%
22583 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
22584 \draw (2, -0.3) node[right, text
22585     width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
22586 \if@bidi@todonotes@figposition@right%
22587 \end{scope}
22588 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
22589 \fi%
22590 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}}
22591 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}}
22592 \if@bidi@todonotes@figposition@right%
22593 \end{scope}
22594 \fi%
22595 \end{tikzpicture}\hfill
22596}% Ending \missingfigure command
22597 \fi % Ending \@todonotes@ifdisabled
22598 \presetkeys%
22599     {todonotes}%
22600     {align=left,%
22601     textdirection=lefttoright,%
22602     figposition=left}{}%

```

143 File wrapfig-xetex-bidi.def

```

22603 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
22604 \let\WF@everypar\bidion@everypar
22605 \def\WF@putfigmaybe{%
22606 \ifinner
22607   \vskip-\parskip \global\WF@floatfalse
22608   \let\pagetotal\maxdimen % kludge flag for "not top of page"
22609 \else % outer page
22610   \@tempdima\pagedepth % save page depth
22611   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
22612   \penalty\interlinepenalty % update pg. parameters
22613   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
22614   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
22615     \global\WF@floatfalse
22616     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
22617   \else
22618     \ifdim\WF@size>\@tempdimb
22619       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
22620       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
22621       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
22622       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
22623       \advance\dimen@.5\baselineskip
22624       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
22625         \global\WF@floatfalse \pagebreak
22626       \fi
22627     \else % \WF@info{Fits in \the\@tempdimb;}%
22628       \global\WF@floatfalse
22629     \fi\fi
22630     \vskip\@tempdima\relax % (return erased page depth)
22631 \fi
22632 \noindent

```



```

22633 \ifWF@float
22634 \WF@fltmes
22635 \else % putting here;
22636 \WF@info{Put \WF@wfname here:}%
22637 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
22638 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
22639 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
22640 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
22641 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
22642 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
22643 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
22644 \xdef\WF@adjlw{\the\@tempdima}%
22645 \ifnum `l=\WF@place % fig on left
22646 \if@RTL%
22647 \kern\@tempdimb \kern\columnsep
22648 \def\@tempa{\hss}% position to left of the gap
22649 \else%
22650 \hss % figure overlaps space to the left
22651 \def\@tempa{\kern\columnsep}% position to left of the gap
22652 \fi%
22653 \else % fig on right
22654 \if@RTL%
22655 \hss
22656 \@tempdima\z@
22657 \def\@tempa{\kern\columnsep}
22658 \else%
22659 \@tempdima\z@ % no left indentation
22660 \kern\@tempdimb \kern\columnsep
22661 \def\@tempa{\hss}% figure overlaps space to the right
22662 \fi%
22663 \fi
22664 \ifdim\@tempdimb<\hsize
22665 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
22666 \xdef\WF@adjtlm{\the\@tempdima}%
22667 \else
22668 \xdef\WF@wrapil{\z@ \the\hsize}%
22669 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
22670 \fi
22671 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
22672 \global\advance\WF@size-\intextsep
22673 \else % \WF@info{Putting \WF@wfname in middle of page}%
22674 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
22675 \fi \dp\WF@box\z@ \box\WF@box \@tempa
22676 }% end \hbox to Opt
22677 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
22678 \fi}

```

144 File xcolor-xetex-bidi.def

```

22679 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
22680 \long\def\color@b@x#1#2#3%
22681 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
22682 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
22683 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@

```




```

22684 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
22685 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
22686 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
22687 \DeclareRobustCommand\color
22688 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
22689 \def\@undeclaredcolor[#1]#2%
22690 {\begingroup
22691 \let\@ccls\@empty
22692 \XC@getmodclr12{#1}{#2}{}}%
22693 {\ifblendcolors
22694 \ifx\colorblend\@empty\else
22695 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
22696 \XC@coremodel\@mod\@clr\xcolor@{}}\@mod\@clr
22697 \fi
22698 \fi
22699 \ifconvertcolorsU
22700 \edef\@tmp{\XC@tgt@mod{\@mod}}%
22701 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
22702 \fi
22703 \ifmaskcolors
22704 \convertcolorspec\@mod\@clr\XC@mmod\@clr
22705 \let\@mod\XC@mmod
22706 \XC@inflate\@mod\XC@mclr\@clr\@tmp
22707 \expandafter\XC@mul\@tmp,\@clr
22708 \fi
22709 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
22710 \expandafter\endgroup\@tmp}}
22711 \def\@declaredcolor#1%
22712 {\XC@edef\XC@tmp{#1}\XC@tstfalse
22713 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
22714 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
22715 \ifconvertcolorsU\XC@tsttrue\fi
22716 \fi
22717 \ifXC@tst
22718 \expandafter\XC@declaredcolor\else
22719 \expandafter\XC@declaredcolor\fi}
22720 \def\XC@undeclaredcolor#1#2%
22721 {\@ifundefinedmodel{#1}%
22722 {\c@lor@error{model `#1'}}%
22723 {\@nameuse{color@#1}\current@color{#2}%
22724 \edef\XC@current@color{\noexpand\xcolor@{}}{\current@color}{#1}{#2}}%
22725 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
22726 \def\XC@declaredcolor
22727 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
22728 \edef\current@color{\XC@current@color}%
22729 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
22730 \DeclareRobustCommand\bidicolor
22731 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
22732 \def\@bidiundeclaredcolor[#1]#2%
22733 {\begingroup
22734 \let\@ccls\@empty
22735 \XC@getmodclr12{#1}{#2}{}}%
22736 {\ifblendcolors
22737 \ifx\colorblend\@empty\else

```



```

22738         \edef\@@mix{\expandafter\@gobble\colorblend}\@tempwafalse
22739         \XC@coremodel\@@mod\@@clr\@xcolor@{\}\@@mod\@@clr
22740         \fi
22741     \fi
22742     \ifconvertcolorsU
22743         \edef\@@tmp{\XC@tgt@mod{\@@mod}}%
22744         \convertcolorspec\@@mod\@@clr\@@tmp\@@clr \let\@@mod\@@tmp
22745     \fi
22746     \ifmaskcolors
22747         \convertcolorspec\@@mod\@@clr\XC@mmod\@@clr
22748         \let\@@mod\XC@mmod
22749         \XC@inflate\@@mod\XC@mclr\@@clr\@@tmp
22750         \expandafter\XC@mul\@@tmp,\@clr
22751     \fi
22752     \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@@mod}{\@@clr}}%
22753     \expandafter\endgroup\@@tmp}}
22754 \def\XC@bidiundeclaredcolor#1#2%
22755 {\@ifundefined{model}{#1}%
22756  {\c@lor@error{model `#1'}}%
22757  {\@nameuse{color@#1}\current@color{#2}}%
22758  \edef\XC@current@color{\noexpand\xcolor@{\}\current@color}{#1}{#2}}%
22759  \XC@display}}
22760 \def\@bidideclaredcolor#1%
22761 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
22762  \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
22763    \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
22764    \ifconvertcolorsU\XC@@tsttrue\fi
22765  \fi
22766  \ifXC@@tst
22767    \expandafter\XC@bidideclaredcolor\else
22768    \expandafter\XC@bidideclaredc@lor\fi}
22769 \def\XC@bidideclaredcolor
22770 {\XC@split\XC@@tmp
22771  \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
22772  \expandafter\endgroup\@@tmp}
22773 \def\XC@bidideclaredc@lor
22774 {\XC@let\Nc\XC@current@color{\string\color@\XC@@tmp}%
22775  \edef\current@color{\XC@current@color}%
22776  \XC@display}
22777 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
22778 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
22779 \def\color@fb@x#1#2#3#4%
22800 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
22801  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
22802 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginR\aftergroup\endR\fi\fi\set@color\ifhmode

```

145 File latex-xetex-bidi.def

```

22783 \ProvidesFile{latex-xetex-bidi.def}[2022/06/06 v1.4.3 bidi adaptations for `latex.ltx' for
22784 \newcommand{\TeXXeTOn}{\TeXXeTstate\@ne}
22785 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
22786 \TeXXeTOn
22787 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
22788 \let\bidi@o@everypar=\everypar

```



```

22789 \newtoks\bidin@everypar
22790 \bidin@everypar\expandafter{\the\bidio@everypar}
22791 \bidio@everypar{\bid RTL@everypar\the\bidin@everypar}
22792 \let\everypar=\bidin@everypar
22793 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
22794 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
22795 \protected\def\hboxR{\hbox\bgroup
22796 \everyhbox{%
22797 \aftergroup\egroup
22798 \everyhbox{}}%
22799 \beginR
22800 \@hboxRconstructtrue
22801 \bgroup
22802 \aftergroup\endR
22803 \aftergroup\egroup
22804 }\hbox}
22805 \protected\def\hboxL{\hbox\bgroup
22806 \everyhbox{%
22807 \aftergroup\egroup
22808 \everyhbox{}}%
22809 \beginL
22810 \@hboxRconstructfalse
22811 \bgroup
22812 \aftergroup\endL
22813 \aftergroup\egroup
22814 }\hbox}
22815 \protected\def\vboxR{\vbox\bgroup
22816 \everyvbox{%
22817 \aftergroup\egroup
22818 \everyvbox{}}%
22819 \@RTLtrue
22820 \@RTLtabtrue
22821 \bgroup
22822 \aftergroup\egroup
22823 }\vbox}
22824 \protected\def\vboxL{\vbox\bgroup
22825 \everyvbox{%
22826 \aftergroup\egroup
22827 \everyvbox{}}%
22828 \@RTLfalse
22829 \@RTLtabfalse
22830 \bgroup
22831 \aftergroup\egroup
22832 }\vbox}
22833 \newcommand*{\bidileftskip}{\if RTL\righskip\else\leftskip\fi}
22834 \newcommand*{\bidirighskip}{\if RTL\leftskip\else\righskip\fi}
22835 \def\LTR{\par\@RTLfalse\@RTLfootnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidibeat}
22836 \def\endLTR{\par}
22837 \newenvironment{LTR*}{\LTR
22838 \everypar{%
22839 {\setbox\z@\lastbox
22840 \ifvoid\z@
22841 \kern-\parindent
22842 \fi}%

```



```

22843 }%
22844 }\endLTR\@endptrue}
22845 \def\RTL{\par\@RTLtrue\@RTLfootnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
22846 \def\endRTL{\par}
22847 \newenvironment{RTL*}{\RTL
22848 \everypar{%
22849   {\setbox\z@\lastbox
22850     \ifvoid\z@
22851       \kern-\parindent
22852     \fi}%
22853 }%
22854 }\endRTL\@endptrue}
22855 \def\setRTL{\@RTLtrue\@RTLfootnotetrue\@RTLtabtrue\bidi@beamer@ragged}
22856 \def\setLTR{\@RTLfalse\@RTLfootnotefalse\@RTLtabfalse\bidi@beamer@ragged}
22857 \let\unsetRTL=\setRTL
22858 \let\unsetLTR=\setRTL
22859 \let\LR=\LRE
22860 \let\RL=\RLE
22861 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
22862 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
22863 \let\@ensure@RL=\@ensure@RTL
22864 \let\@ensure@LR=\@ensure@LTR
22865 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
22866 \let\@ensure@maindir=\@ensure@dir
22867 \def\@RTL{RTL}
22868 \def\@LTR{LTR}
22869 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
22870 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
22871 \let\@TeX\TeX
22872 \def\TeX{\@ensure@LTR{\@TeX}}
22873 \let\@LaTeX\LaTeX
22874 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
22875 \let\@LaTeXe\LaTeXe
22876 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
22877 \long\def\bidi@reflect@box#1{%
22878   \leavevmode
22879   \setbox\z@\hbox{#1}}%
22880 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
22881 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
22882 }
22883 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
22884   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
22885 \bidi@newrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
22886   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
22887 \let\setRL=\setRTL
22888 \let\setLR=\setLTR
22889 \let\unsetRL=\setLTR
22890 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
22891 \@ifpackageloaded{array}{%
22892 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
22893   \leavevmode
22894   \hbox\bgroup $\left.\col@sep\tabc@sep \let\d@llarbegin\begin\group
22895     \let\d@llarend\end\group
22896   \@tabarray}

```



```

22897 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
22898 }{%
22899 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
22900   \leavevmode \hbox \bgroup
22901   $\left.\let\@acol\@tabacol
22902   \let\@classz\@tabclassz
22903   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
22904
22905 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
22906   \egroup\right\rbrace $\egroup}}
22907 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
22908   \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right\}}
22909 \renewenvironment{RTLcases}{%
22910   \bidi@matrix@check\RTLcases\env@RTLcases
22911 }{%
22912   \endbidi@tabular@RTLcases%
22913 }
22914 \def\env@RTLcases{%
22915   \let\@ifnextchar\bidi@new@ifnextchar
22916   \def\arraystretch{1.2}%
22917   \bidi@tabular@RTLcases{\@{}r{\quad}r{\{}}}%
22918 }
22919 \def\SepMark#1{\gdef\@SepMark{#1}}
22920 \SepMark{.}
22921 \def\@thmcountersep{\@SepMark}
22922 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
22923 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
22924 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
22925 \newcommand*{\bidi@thebibliography@font@hook}{}
22926 \def\list#1#2{%
22927   \ifnum \@listdepth >5\relax
22928     \@toodeep
22929   \else
22930     \global\advance\@listdepth\@ne
22931   \fi
22932   \rightmargin\z@
22933   \listparindent\z@
22934   \itemindent\z@
22935   \csname @list\romannumeral\the\@listdepth\endcsname
22936   \def\@itemlabel{#1}%
22937   \let\makelabel\@mklab
22938   \@nmbrlistfalse
22939   #2\relax
22940   \@trivlist
22941   \parskip\parsep
22942   \parindent\listparindent
22943   \advance\linewidth -\rightmargin
22944   \advance\linewidth -\leftmargin
22945   \if@bidi@list@minipage@parbox
22946     \if@RTL
22947       \advance\@totalleftmargin \leftmargin
22948     \else
22949       \advance\@totalleftmargin \rightmargin
22950     \fi

```



```

22951 \else
22952 \if@hboxRconstruct
22953 \if@bidi@list@minipage@parbox@not@nob
22954 \if@RTL
22955 \advance\@totalleftmargin \rightmargin
22956 \else
22957 \advance\@totalleftmargin \leftmargin
22958 \fi
22959 \else
22960 \if@RTL
22961 \advance\@totalleftmargin \leftmargin
22962 \else
22963 \advance\@totalleftmargin \rightmargin
22964 \fi\fi
22965 \else
22966 \if@RTL
22967 \advance\@totalleftmargin \rightmargin
22968 \else
22969 \advance\@totalleftmargin \leftmargin
22970 \fi\fi\fi
22971 \parshape \@ne \@totalleftmargin \linewidth
22972 \ignorespaces}
22973 \long\def\@iiiparbox#1#2[#3]#4#5{%
22974 \leavevmode
22975 \@pboxswfalse
22976 \if@hboxRconstruct
22977 \@bidi@list@minipage@parbox@not@nobtrue
22978 \fi
22979 \if@RTL
22980 \ifx#1t%
22981 \@bidi@list@minipage@parboxtrue
22982 \else
22983 \ifx#1b%
22984 \@bidi@list@minipage@parboxtrue
22985 \fi
22986 \fi
22987 \fi
22988 \setlength\@tempdima{#4}%
22989 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
22990 \ifx\relax#2\else
22991 \setlength\@tempdimb{#2}%
22992 \edef\@parboxto{to\the\@tempdimb}%
22993 \fi
22994 \if#1b\vbox
22995 \else\if #1t\vtop
22996 \else\ifmmode\vcenter
22997 \else\@pboxswtrue $\vcenter
22998 \fi\fi\fi
22999 \@parboxto{\let\hss\vss\let\unhbox\unvbox
23000 \csname bm@#3\endcsname}%
23001 \if@pboxsw \m@th$\fi
23002 \@end@tempboxa}
23003 \newenvironment{LTRitems}
23004 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged

```



```

23005         \if@bidi@list@minipage@parbox
23006         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
23007         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23008         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
23009         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23010         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23011         \ignorespaces}{\vskip\z@}
23012 \newenvironment{RTLitems}
23013 {
23014     \par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
23015     \if@bidi@list@minipage@parbox
23016     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
23017     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23018     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
23019     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23020     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23021     \ignorespaces}{\vskip\z@}
23022 \newenvironment{LTRbibitems}
23023 {
23024     \par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
23025     \if@bidi@list@minipage@parbox
23026     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
23027     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23028     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
23029     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23030     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23031     \ignorespaces}{\vskip\z@}
23032 \newenvironment{RTLbibitems}
23033 {
23034     \par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
23035     \if@bidi@list@minipage@parbox
23036     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
23037     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23038     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
23039     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23040     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23041     \ignorespaces}{\vskip\z@}
23042 \def\raggedright{%
23043     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
23044     \leftskip\z@skip
23045     \parindent\z@\parfillskip\z@skip}
23046 \let\@bidi@orig@raggedleft\raggedleft
23047 \let\@bidi@orig@raggedright\raggedright
23048 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRconstruct\@bidi@orig@raggedleft\else\if@hboxRconstruct\@bidi@orig@raggedright\fi}
23049 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRconstruct\@bidi@orig@raggedright\else\if@hboxRconstruct\@bidi@orig@raggedleft\fi}
23050 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
23051 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
23052 \def\centerline#1{%
23053     \if@RTL\@@line{\hss\beginR#1\endR\hss}
23054     \else\@@line{\hss#1\hss}\fi}
23055 \def\leftline#1{%
23056     \if@RTL\@@line{\beginR#1\endR\hss}
23057     \else\@@line{#1\hss}\fi}
23058 \def\rightline#1{%
23059     \if@RTL\@@line{\hss\beginR#1\endR}
23060     \else\@@line{\hss#1}\fi}
23061 \let\@bidi@orig@leftline\leftline

```



```

23059 \let\ bidi@orig@rightline\rightline
23060 \def\leftline#1{\ifhmode\ifRTL\ bidi@orig@rightline{#1}\else\ bidi@orig@leftline{#1}\fi\else\
23061 \def\rightline#1{\ifhmode\ifRTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rightline{#1}\fi\else\
23062 \def\bidirlap#1{\hb@xt@{z@{\ifRTL\hss\fi#1\ifRTL\else\hss\fi}}
23063 \def\bidillap#1{\hb@xt@{z@{\ifRTL\else\hss\fi#1\ifRTL\hss\fi}}
23064 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
23065 \hangindent \ifRTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
23066 \def\narrower{%
23067 \advance\ifRTL\rightskip\else\leftskip\fi\parindent
23068 \advance\ifRTL\leftskip\else\rightskip\fi\parindent}
23069 \def\underline#1{%
23070 \relax
23071 \ifmmode\@@underline{#1}%
23072 \else
23073 \ifRTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
23074 \else
23075 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
23076 \if@compatibility
23077 \let\undertext=\underline
23078 \fi
23079 \def\@tabular{%
23080 \leavevmode \hbox \bgroup \ifRTLTtab\beginR \fi
23081 $\let\@acol\@tabacol
23082 \let\@classz\@tabclassz
23083 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
23084 \def\endtabular{\crr\egroup\ifRTLTtab\egroup\endR\egroup\fi
23085 \egroup $\ifRTLTtab\endR\fi\egroup}
23086 \expandafter \let \csname endtabular*\endcsname = \endtabular
23087 \def\@array[#1]#2{%
23088 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
23089 \bgroup
23090 \setbox\@arstrutbox\hbox{%
23091 \vrule \@height\arraystretch\ht\strutbox
23092 \@depth\arraystretch \dp\strutbox
23093 \@width\z@}%
23094 \mkpream{#2}%
23095 \edef\@preamble{%
23096 \ialign \noexpand\@halignto
23097 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
23098 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23099 \let\@tabularnewline\\
23100 \let\par\empty
23101 \let\@sharp##
23102 \set@typeset@protect
23103 \lineskip\z@skip\baselineskip\z@skip
23104 \ifhmode \@preamerr\z@ \@@par\fi
23105 \ifRTLTtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
23106 \@preamble}
23107 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
23108 \let\@classiv\@arrayclassiv
23109 \let\\\@arraycr\let\@halignto\empty\RTLTtabfalse\@tabarray}
23110 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
23111 \ifnum \@lastchclass=3 5 \else
23112 \z@ \if #1c\@chnum \z@ \else

```




```

23113             \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
23114             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
23115             \@chclass \if #1|\@ne \else
23116             \if #1@\tw@ \else
23117             \if #1p3 \else \z@ \@preamerr 0\fi
23118 \fi \fi \fi \fi \fi \fi
23119 \fi}
23120 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
23121 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
23122 \def\bm@t{\unhbox\@tempboxa\hss}
23123 \def\bm@b{\hss\unhbox\@tempboxa}
23124 \def\@dottedtocline#1#2#3#4#5{%
23125   \ifnum #1>\c@tocdepth \else
23126     \vskip \z@ \@plus.2\p@
23127     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
23128     \parindent #2\relax\@afterindenttrue
23129     \interlinepenalty\@M
23130     \leavevmode
23131     \@tempdima #3\relax
23132     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
23133     {#4}\nobreak
23134     \leaders\hbox{$\m@th
23135       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
23136       mu$}\hfill
23137     \nobreak
23138     \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}%
23139     \par}%
23140 \fi}
23141
23142 \newcount\ bidi@column@check@number
23143
23144 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
23145
23146 \def\ bidi@set@column@status#1#2{%
23147   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
23148
23149 \if@twocolumn
23150 \newcommand\DetectColumn[3][1]{%
23151   \ifx\ bidi@firstcolumn@status@write\relax
23152     \PackageError{bidi}%
23153     {Option 'DetectColumn' not selected}%
23154     {\string\DetectColumn\space
23155     requires the use of the 'DetectColumn'
23156     option on the package}%
23157   \fi
23158   \global\advance\ bidi@column@check@number\@ne
23159   \edef\ bidi@column@type{\expandafter\ifx
23160     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
23161     0\else
23162     \csname bidi@column-\the\ bidi@column@check@number\endcsname
23163     \fi}%
23164   \ifcase \ bidi@column@type\relax
23165     \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
23166   \or

```



```

23167      #2% % 1 First column
23168 \or
23169      #3% % 2 Second (Last column)
23170 \else
23171 \ERROR
23172 \fi
23173 \edef\next{\write\@auxout
23174      {\string\bidiset@column@status{\bidi@column-\the\bidi@column@check@number}%
23175      {\bidi@column@type}}}%
23176 \next
23177 }
23178
23179 \AtEndDocument{\def\bidi@set@column@status#1#2{%
23180     \ifnum #2=\bidi@current@column@status\else
23181         \@tempwtrue
23182     \fi}%
23183 }
23184 \fi
23185
23186 \def\RTL@outputdblcol{%
23187     \if@firstcolumn
23188         \global\@firstcolumnfalse
23189         \global\setbox\@leftcolumn\copy\@outputbox
23190         \splitmaxdepth\maxdimen
23191         \vbadness\maxdimen
23192         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
23193         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
23194         \toks@\expandafter{\topmark}%
23195         \xdef\@firstcoltopmark{\the\toks@}%
23196         \toks@\expandafter{\splitfirstmark}%
23197         \xdef\@firstcolfirstmark{\the\toks@}%
23198         \ifx\@firstcolfirstmark\@empty
23199             \global\let\@setmarks\relax
23200         \else
23201             \gdef\@setmarks{%
23202                 \let\firstmark\@firstcolfirstmark
23203                 \let\topmark\@firstcoltopmark}%
23204         \fi
23205     \else
23206         \global\@firstcolumntrue
23207         \setbox\@outputbox\vbox{%
23208             \hb@xt@\textwidth{%
23209                 \hskip \columnwidth
23210                 \hfil
23211                 {\normalcolor\vrule \@width\columnseprule}%
23212                 \hfil
23213                 \hb@xt@\columnwidth{%
23214                     \bidi@firstcolumn@status@write%
23215                     \box\@leftcolumn \hss}%
23216                 \hskip -\textwidth
23217                 \hb@xt@\columnwidth{%
23218                     \bidi@lastcolumn@status@write%
23219                     \box\@outputbox \hss}%
23220                 \hskip \columnsep

```



```

23221     \hskip \columnwidth }}%
23222 \@@combinedblfloats
23223     \@setmarks
23224     \@outputpage
23225     \begingroup
23226     \@dblfloatplacement
23227     \@startdblcolumn
23228     \@whiles\if@fcolmade \fi{\@outputpage
23229     \@startdblcolumn}%
23230     \endgroup
23231 \fi}%
23232
23233 \def\LTR@outputdblcol{%
23234     \if@firstcolumn
23235         \global\@firstcolumnfalse
23236         \global\setbox\@leftcolumn\copy\@outputbox
23237         \splitmaxdepth\maxdimen
23238         \vbadness\maxdimen
23239         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
23240         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
23241         \toks@\expandafter{\topmark}%
23242         \xdef\@firstcoltopmark{\the\toks@}%
23243         \toks@\expandafter{\splitfirstmark}%
23244         \xdef\@firstcolfirstmark{\the\toks@}%
23245         \ifx\@firstcolfirstmark\@empty
23246             \global\let\@setmarks\relax
23247         \else
23248             \gdef\@setmarks{%
23249                 \let\firstmark\@firstcolfirstmark
23250                 \let\topmark\@firstcoltopmark}%
23251         \fi
23252     \else
23253         \global\@firstcolumntrue
23254         \setbox\@outputbox\vbox{%
23255             \hb@xt@\textwidth{%
23256                 \hb@xt@\columnwidth{%
23257                     \bidi@firstcolumn@status@write%
23258                     \box\@leftcolumn \hss}%
23259                 \hfil
23260                 {\normalcolor\vrule \@width\columnseprule}%
23261                 \hfil
23262                 \hb@xt@\columnwidth{%
23263                     \bidi@lastcolumn@status@write%
23264                     \box\@outputbox \hss}}}%
23265     \@@combinedblfloats
23266     \@setmarks
23267     \@outputpage
23268     \begingroup
23269     \@dblfloatplacement
23270     \@startdblcolumn
23271     \@whiles\if@fcolmade \fi{\@outputpage
23272     \@startdblcolumn}%
23273     \endgroup
23274 \fi}%

```



```

23275
23276
23277 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
23278 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
23279 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
23280
23281 \bidi@patchcmd\@makecol{%
23282   \ifvoid\footins
23283     \setbox\@outputbox \box\@cclv
23284   \else
23285     \setbox\@outputbox \vbox {%
23286       \boxmaxdepth \@maxdepth
23287       \unvbox \@cclv
23288       \vskip \skip\footins
23289       \color@begingroup
23290         \normalcolor
23291         \footnoterule
23292         \unvbox \footins
23293       \color@endgroup
23294     }%
23295   \fi
23296 }{%
23297   \ifvoid\footins
23298     \ifvoid\@bidi@copyins@
23299       \setbox\@outputbox \box\@cclv
23300     \else
23301       \setbox\@outputbox \vbox {%
23302         \boxmaxdepth \@maxdepth
23303         \unvbox \@cclv
23304         \vskip \skip\@bidi@copyins@
23305         \color@begingroup
23306           \normalcolor
23307           \unvbox \@bidi@copyins@
23308         \color@endgroup
23309       }%
23310     \fi
23311   \else
23312     \setbox\@outputbox \vbox {%
23313       \boxmaxdepth \@maxdepth
23314       \unvbox \@cclv
23315       \vskip \skip\footins
23316       \color@begingroup
23317         \normalcolor
23318         \footnoterule
23319         \unvbox \footins
23320       \color@endgroup
23321     \ifvoid\@bidi@copyins@
23322     \else
23323       \vskip \skip\@bidi@copyins@
23324       \color@begingroup
23325         \normalcolor
23326         \unvbox \@bidi@copyins@
23327       \color@endgroup
23328     \fi

```



```

23329     }%
23330     \fi
23331 }{}{}
23332
23333 \def\LTRmarginpar{%
23334     \ifhmode
23335         \@bsphack
23336         \@floatpenalty -\@Mii
23337     \else
23338         \@floatpenalty-\@Miii
23339     \fi
23340     \ifinner
23341         \@parmoderr
23342         \@floatpenalty\z@
23343     \else
23344         \@next\@currbox\@freelist{}{}%
23345         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
23346         {\@floatpenalty\z@
23347         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
23348     \fi
23349     \ifnextchar [\@LTRxmpar\@LTRympar}
23350 \long\def\@LTRxmpar[#1]#2{%
23351     \@LTRsavemarbox\@marbox{#1}%
23352     \@LTRsavemarbox\@currbox{#2}%
23353     \@xympar}
23354 \long\def\@LTRympar#1{%
23355     \@LTRsavemarbox\@marbox{#1}%
23356     \global\setbox\@currbox\copy\@marbox
23357     \@xympar}
23358 \long\def \@LTRsavemarbox #1#2{%
23359     \global\setbox #1%
23360         \color@vbox
23361         \vtop{%
23362             \hsize\marginparwidth
23363             \@parboxrestore
23364             \@LTRmarginparreset
23365             #2%
23366             \@minipagefalse
23367             \outer@nobreak
23368         }%
23369     \color@endbox
23370 }
23371 \def \@LTRmarginparreset {%
23372     \reset@font
23373     \normalsize
23374     \@minipagetrue
23375     \everypar{\@minipagefalse\everypar{}\beginL}%
23376 }
23377 \def\RTLmarginpar{%
23378     \ifhmode
23379         \@bsphack
23380         \@floatpenalty -\@Mii
23381     \else
23382         \@floatpenalty-\@Miii

```



```

23383 \fi
23384 \ifinner
23385 \@parmoderr
23386 \@floatpenalty\z@
23387 \else
23388 \@next\@currbox\@freelist{}\{}%
23389 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
23390 {\@floatpenalty\z@
23391 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
23392 \fi
23393 \@ifnextchar [\@RTLxmpar\@RTLympar}
23394 \long\def\@RTLxmpar[#1]#2{%
23395 \@RTLSavemarbox\@marbox{#1}%
23396 \@RTLSavemarbox\@currbox{#2}%
23397 \@xympar}
23398 \long\def\@RTLympar#1{%
23399 \@RTLSavemarbox\@marbox{#1}%
23400 \global\setbox\@currbox\copy\@marbox
23401 \@xympar}
23402 \long\def \@RTLSavemarbox #1#2{%
23403 \global\setbox #1%
23404 \color@vbox
23405 \vtop{%
23406 \hsize\marginparwidth
23407 \@parboxrestore
23408 \@RTLmarginparreset
23409 #2%
23410 \@minipagefalse
23411 \outer@nobreak
23412 }%
23413 \color@endbox
23414 }
23415 \def \@RTLmarginparreset {%
23416 \reset@font
23417 \normalsize
23418 \@minipagetrue
23419 \everypar{\@minipagefalse\everypar{}\beginR}%
23420 }
23421 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
23422 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
23423 \if@twocolumn
23424 \if@firstcolumn \@tempcnta\m@ne \fi
23425 \else
23426 \if@mparswitch
23427 \ifodd\c@page \else\@tempcnta\m@ne \fi
23428 \fi
23429 \if@reversemargin \@tempcnta -\@tempcnta \fi
23430 \fi
23431 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
23432 \@tempdima\@parbottom
23433 \advance\@tempdima -\@pageht
23434 \advance\@tempdima\ht\@marbox
23435 \ifdim\@tempdima >\z@
23436 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%

```



```

23437 \else
23438 \tempdima\z@
23439 \fi
23440 \global\@mparbottom\@pageht
23441 \global\advance\@mparbottom\tempdima
23442 \global\advance\@mparbottom\dp\@marbox
23443 \global\advance\@mparbottom\marginparpush
23444 \advance\tempdima -\ht\@marbox
23445 \global\setbox \@marbox
23446 \vbox {\vskip \tempdima
23447 \box \@marbox}%
23448 \global \ht\@marbox \z@
23449 \global \dp\@marbox \z@
23450 \kern -\@pagedp
23451 \nointerlineskip
23452 \hb@xt@\columnwidth
23453 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
23454 \hskip\columnwidth \hskip\marginparsep
23455 \else
23456 \hskip -\marginparsep \hskip -\marginparwidth
23457 \fi
23458 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
23459 \nointerlineskip
23460 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
23461 \long\def\@ympar#1{%
23462 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
23463 \global\setbox\@currbox\copy\@marbox
23464 \@xympar}
23465 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
23466 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
23467 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
23468 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
23469 \tempdima\@totalleftmargin \advance\tempdima\linewidth
23470 \hbox to\tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
23471 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
23472 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
23473 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
23474 \fi}
23475
23476 \newcommand*{\bidi@font@outputpage}{}
23477
23478 \def\@outputpage{%
23479 \begingroup % the \endgroup is put in by \aftergroup
23480 \let \protect \noexpand
23481 \resetactivechars
23482 \global\let\@if@newlist\if@newlist
23483 \global\@newlistfalse
23484 \parboxrestore
23485 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
23486 \bidi@beforeoutputpageshipouthook
23487 \shipout \vbox{%
23488 \set@typeset@protect
23489 \aftergroup \endgroup
23490 \aftergroup \set@typeset@protect

```



```

23491                                     % correct? or just restore by ending
23492                                     % the group?
23493 \if@specialpage
23494   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
23495 \fi
23496 \if@twoside
23497   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
23498   \ifRTLmain
23499     \let\@themargin\evensidemargin
23500   \else
23501     \let\@themargin\oddsidemargin
23502   \fi
23503 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
23504   \ifRTLmain
23505     \let\@themargin\oddsidemargin
23506   \else
23507     \let\@themargin\evensidemargin
23508   \fi
23509 \fi
23510 \ifx\@thehead\@empty \let\@thehead\hfil \fi
23511 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
23512 \else %% not @twoside
23513 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
23514 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
23515 \fi
23516 \reset@font
23517 \normalsize
23518 \bidi@font@@outputpage
23519 \normalsfcodes
23520 \let\label\@gobble
23521 \let\index\@gobble
23522 \let\glossary\@gobble
23523 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
23524 \@begin@dv
23525 \vskip \topmargin
23526 \moveright\@themargin \vbox {%
23527   \global\let\bidi@BeforeHeader\@firstofone
23528   \bidi@beforeheaderhook
23529   \setbox\@tempboxa \vbox to\headheight{%
23530     \vfil
23531     \color@hbox
23532     \normalcolor
23533     \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
23534     \color@endbox
23535   }%
23536   \dp\@tempboxa \z@
23537   \box\@tempboxa
23538   \vskip \headsep
23539   \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
23540   \bidi@beforeoutputboxoutputpagehook
23541   \box\@outputbox
23542   \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
23543   \bidi@afteroutputboxoutputpagehook
23544   \global\let\bidi@BeforeFooter\@firstofone

```




```

23545 \bidi@beforefooterhook
23546 \baselineskip \footskip
23547 \color@hbox
23548 \normalcolor
23549 \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
23550 \color@endbox
23551 \global\let\bidi@AfterFooter\@firstofone
23552 \bidi@afterfooterhook
23553 }%
23554 }%
23555 \global\let\bidi@AfterOutputPageShipOut\@firstofone
23556 \bidi@afteroutputpageshipouthook
23557 \global\let\if@newlist\@if@newlist
23558 \global \colht \textheight
23559 \stepcounter{page}%
23560 \let\firstmark\botmark
23561 \global\let\bidi@AtEndOutputPage\@firstofone
23562 \bidi@atendoutputpagehook
23563 }
23564 \long\def\@makecaption#1#2{%
23565 \vskip\abovecaptionskip
23566 \sbox\@tempboxa{#1: #2}%
23567 \ifdim \wd\@tempboxa >\hszise
23568 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
23569 \else
23570 \global \@minipagefalse
23571 \hb@xt@{\hszise}{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
23572 \fi
23573 \vskip\belowcaptionskip}
23574 \let\bidi@samed@eqno=\eqno
23575 \let\bidi@samed@leqno=\leqno
23576 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
23577 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
23578 \ifpackageloaded{amsmath}{-}{-}
23579 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
23580 }
23581 \input{footnote-xetex-bidi.def}
23582 \if@twocolumn
23583 \let\autofooterule\relax
23584 \let\leftfootnoterule\relax
23585 \let\rightfootnoterule\relax
23586 \textwidthfootnoterule
23587 \fi
23588 \if@bidi@csundef{\@idxitem}{-}{-}%
23589 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
23590 }
23591 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
23592 \ifclassloaded{article}{\ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
23593 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
23594 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
23595 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
23596 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
23597 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
23598 \ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{-}

```



```

23599 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
23600 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
23601 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
23602 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
23603 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
23604 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{\input{report-xetex-bidi.def}}{}}
23605 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
23606 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
23607 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
23608 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
23609 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
23610 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
23611 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
23612 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
23613 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
23614 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{\input{book-xetex-bidi.def}}{}}
23615 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
23616 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
23617 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
23618 \@ifpackageloaded{amsmath}{\%
23619 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
23620 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
23621 }
23622 \@ifpackageloaded{mathtools}{\%
23623 \RequirePackage{graphicx}%
23624 \input{mathtools-xetex-bidi.def}%
23625 }{}
23626 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
23627 \@ifpackageloaded{lscap}{\RequirePackage{graphicx}}{}
23628 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
23629 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
23630 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
23631 \@ifpackagewith{algorithm2e}{algonl}{\%
23632 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A
23633 }}{}
23634 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
23635 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
23636 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
23637 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
23638 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
23639 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
23640 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
23641 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
23642 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
23643 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
23644 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
23645 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}
23646 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
23647 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
23648 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
23649 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
23650 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
23651 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}
23652 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}

```



```

23653 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
23654 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
23655 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
23656 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
23657 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
23658 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
23659 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
23660 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
23661 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
23662 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
23663 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
23664 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
23665 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
23666 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
23667 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
23668 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
23669 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
23670 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
23671 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
23672 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
23673 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
23674 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
23675 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
23676 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
23677 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
23678 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
23679 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
23680 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
23681 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
23682 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
23683 \@ifpackageloaded{lstmisc}{\input{lstmisc-xetex-bidi.def}}{}
23684 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
23685 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
23686 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
23687 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
23688 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
23689 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
23690 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
23691 \@ifpackagewith{sidecap}{innercaption}{%
23692 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
23693   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} \{{#1}\hspace{\sidecaptionsep}{#2}}
23694   \renewcommand*{\SC@justify@caption}{%
23695     \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
23696   \renewcommand*{\SC@FLOAT}[2]{%
23697     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} \{{#2}\hspace{\sidecaptionsep}{#1}}
23698     \renewcommand*{\SC@justify@caption}{%
23699       \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
23700 }{}
23701 \@ifpackagewith{sidecap}{rightcaption}{%
23702 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
23703 \def\SC@justify@caption{\RaggedLeft}\else%
23704 \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
23705 \def\SC@justify@caption{\RaggedRight}\fi%
23706 }{}

```



```

23707 \ifpackagewith{sidecap}{leftcaption}{%
23708 \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#2\hspace{\sidecaptionsep}{\#1}}
23709 \def\SC@justify@caption{\RaggedRight}\else%
23710 \renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
23711 \def\SC@justify@caption{\RaggedLeft}\fi%
23712 }{}
23713 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
23714 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
23715 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
23716 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
23717 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
23718 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
23719 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
23720 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
23721 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
23722 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
23723 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
23724 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
23725 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
23726 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
23727 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
23728 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
23729 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
23730 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
23731 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
23732 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
23733 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}
23734 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}
23735 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
23736 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
23737 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
23738 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
23739 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
23740 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}{}
23741 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
23742 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
23743 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
23744 \@ifpackageloaded{beamerinnerthemerectangles}{\input{beamerinnerthemerectangles-xetex-bidi.d}}{}
23745 \@ifpackageloaded{beamerinnerthemerrounded}{\input{beamerinnerthemerrounded-xetex-bidi.def}}{}
23746 \@ifpackageloaded{beamerouterthemeinfolines}{\input{beamerouterthemeinfolines-xetex-bidi.def}}{}
23747 \@ifpackageloaded{beamerouterthemesidebar}{\input{beamerouterthemesidebar-xetex-bidi.def}}{}
23748 \@ifpackageloaded{beamerouterthemesplit}{\input{beamerouterthemesplit-xetex-bidi.def}}{}
23749 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}

```

146 File xltextra-xetex-bidi.def

```

23750 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f
23751 \let\@XeTeX\XeTeX
23752 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
23753 \let\@XeLaTeX\XeLaTeX
23754 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```



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