



The bidi Package

Source documentation for version 33.1

*to my Master, **Ferdowsi The Great***

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The *bid* Package

Bidirectional typesetting in plain \TeX and \LaTeX , using \XeTeX engine

Source documentation for [version 33.1](#)

Vafa Khalighi
persian-tex@tug.org

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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 Xe
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\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   \@makefnfntext{%
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     \@makefnfntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode`\.=\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

99 \columnseprule\z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \topnum\z@ % this prevents figures from falling at the top of page 1
112 \setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \nx\markboth{\the\toks4
125 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
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}[2015/02/01 v0.1 bidi adaptations for algorithm2e pa
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi%
170
171 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
172 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
173 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
174 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
175 \renewcommand{\@algocf@start}{%
176   \@algoskip%
177   \begin{bidi@lrbox}{\algocf@algobox}%
178   \setlength{\algowidth}{\hsize}%
179   \vbox\bgroup% save all the algo in a box
180   \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
181   \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
182   % initialization
183   \addtolength{\hsize}{-1.5\algomargin}%
184   \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
185   \raggedright\AlFnt{}%
186   \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
187   \@algoinsideskip%
188   % \let\@mathdisplay=\]\def\]\{\algocf@endline\@mathdisplay\nl}%
189 }%
190 \renewcommand{\@algocf@finish}{%
191   \@algoinsideskip%
192   \egroup%end of vtop which contain all the text

```




```

193 \hfill\egroup%end of hbox wich contains [margin][vtop]
194 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
195 %
196 \egroup%end of main vbox
197 \end{bidi@lrbox}%
198 \algocf@makethealgo% print the algo
199 \@algoskip%
200 % restore dimension and macros
201 \setlength{\hspace}{\algowidth}%
202 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
203 \let\;=\@mathsemicolon%
204 \let\]=\@mathdisplay%
205 }%

```

4 File amsbook-xetex-bidi.def

```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for Xe
207 \def\tocline#1#2#3#4#5#6#7{\relax
208 \ifnum #1>\c@tocdepth % then omit
209 \else
210 \par \addpenalty\@secpenalty\addvspace{#2}%
211 \begingroup \hyphenpenalty\@M
212 \@ifempty{#4}{%
213 \@tempdima\csname r@tocindent\@number#1\endcsname\relax
214 }{%
215 \@tempdima#4\relax
216 }%
217 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
218 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219 #5\leavevmode\hspace-\@tempdima #6\nobreak\relax
220 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221 \nobreak
222 \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229 \columnseprule\z@ \columnsep 35\p@
230 \@indextitlestyle
231 \thispagestyle{plain}%
232 \let\item\@idxitem
233 \parindent\z@ \parskip\z@\@plus.3\p@\relax
234 \if@RTL\raggedleft\else\raggedright\fi
235 \hyphenpenalty\@M
236 \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}

```



```

240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefnintext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
260
261 \long\def\@RTLfootnotetext#1{%
262   \insert\footins{%
263     \@RTLtrue%
264     \reset@font%
265     \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
266     \interlinepenalty\interfootnotelinepenalty
267     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
268     \floatingpenalty\@MM \hsize\columnwidth
269     \@parboxrestore \parindent\normalparindent \sloppy
270     \protected@edef\@currentlabel{%
271       \csname p@footnote\endcsname\@thefnmark}%
272     \@makefnintext{%
273       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
274
275
276 \long\def\@LTRfootnotetext#1{%
277   \insert\footins{%
278     \@RTLfalse%
279     \reset@font%
280     \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
281     \interlinepenalty\interfootnotelinepenalty
282     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
283     \floatingpenalty\@MM \hsize\columnwidth
284     \@parboxrestore \parindent\normalparindent \sloppy
285     \protected@edef\@currentlabel{%
286       \csname p@footnote\endcsname\@thefnmark}%
287     \@makefnintext{%
288       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
289

```



```

290
291
292 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
293 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
294 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
295
296 \renewenvironment{thebibliography}[1]{%
297   \@bibtitlestyle
298   \normalfont\bibliofont\labelsep .5em\relax
299   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
300   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
301   \bidi@@thebibliography@font@hook%
302   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
303     \leftmargin\labelwidth \advance\leftmargin\labelsep
304     \usecounter{enumiv}}%
305   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
306   \sfcode\`.\=@m
307 }{%
308   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
309   \endlist
310 }
311 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
312   \begingroup
313   \fontsize{\@xivpt}{18}\bfseries\centering
314   \ifnum\c@secnumdepth>\m@ne
315     \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316     \rlap{\vbox to\z@{\vss
317       \centerline{\normalsize\mdseries
318         \uppercase\@xp{\chaptername}\enspace\thechapter}
319       \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320   #1\par \endgroup
321   \skip@34p@ \advance\skip@-\normalbaselineskip
322   \vskip\skip@ }
323 \def\maketitle{\par
324   \@topnum\z@ % this prevents figures from falling at the top of page 1
325   \begingroup
326   \@maketitle
327   \endgroup
328   \c@footnote\z@
329   \def\do##1{\let##1\relax}%
330   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331   \do\author \do\@xauthor \do\address \do\@xaddress
332   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for

```



```

337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340   \ifundefined{c@#2}{\nocounterr{#2}}{%
341     \ifundefined{c@#3}{\nocnterr{#3}}{%
342       \@addtoreset{#2}{#3}%
343       \exp\xdef\csname the#2\endcsname{%
344         \exp\xdef\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
345     }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccor

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

354 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
355 \def\@testpach{\@chclass
356   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
357   \ifnum \@lastchclass=7 5 \else
358   \ifnum \@lastchclass=8 \tw@ \else
359   \ifnum \@lastchclass=9 \thr@@
360   \else \z@
361   \ifnum \@lastchclass = 10 \else
362   \edef\@nextchar{\expandafter\string\@nextchar}%
363   \@chnum
364   \if \@nextchar c\z@ \else
365   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
366   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
367   \z@ \@chclass
368   \if \@nextchar |\@ne \else
369   \if \@nextchar !6 \else
370   \if \@nextchar @7 \else
371   \if \@nextchar <8 \else
372   \if \@nextchar >9 \else
373   10
374   \@chnum
375   \if \@nextchar m\thr@@\else
376   \if \@nextchar p4 \else
377   \if \@nextchar b5 \else

```



```

378 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
379 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
380 \def\@tabular{%
381 \leavevmode
382 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
383 \let\d@llarend\endR
384 \@tabarray}
385 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \def\@array[#1]#2{%
388 \@tempdima \ht \strutbox
389 \advance \@tempdima by\extrarowheight
390 \setbox \@arstrutbox \hbox{\vrule
391 \@height \arraystretch \@tempdima
392 \@depth \arraystretch \dp \strutbox
393 \@width \z@}%
394 \beginR
395 \@mkpream{#2}%
396 \xdef\@preamble{\noexpand \ialign \@halignto
397 \bgroup \@arstrut \@preamble
398 \tabskip \z@ \cr}%
399 \endR
400 \@arrayleft
401 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
402 \bgroup
403 \let \@sharp ##\let \protect \relax
404 \lineskip \z@
405 \baselineskip \z@
406 \m@th
407 \let\\ \@arraycr \let\tabularnewline\\ \let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
408 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
409 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
410 \def\array{\col@sep\arraycolsep
411 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
412 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

413 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
414 \if@titlepage
415 \renewcommand\maketitle{\begin{titlepage}%
416 \let\footnotesize\small
417 \let\right@footnoterule\relax
418 \let\left@footnoterule\relax
419 \let\textwidth\footnoterule\relax
420 \let \footnote \thanks
421 \let \LTRfootnote \LTRthanks
422 \let \RTLfootnote \RTLthanks
423 \null\vfil
424 \vskip 60\p@

```



```

425 \begin{center}%
426   {\LARGE \@title \par}%
427   \vskip 3em%
428   {\large
429     \lineskip .75em%
430     \begin{tabular}[t]{c}%
431       \@author
432     \end{tabular}\par}%
433   \vskip 1.5em%
434   {\large \@date \par}%           % Set date in \large size.
435 \end{center}\par
436 \@thanks
437 \vfil\null
438 \end{titlepage}%
439 \setcounter{footnote}{0}%
440 \global\let\thanks\relax
441 \global\let\LTRthanks\relax
442 \global\let\RTLthanks\relax
443 \global\let\maketitle\relax
444 \global\let\@thanks\@empty
445 \global\let\@author\@empty
446 \global\let\@date\@empty
447 \global\let\@title\@empty
448 \global\let\title\relax
449 \global\let\author\relax
450 \global\let\date\relax
451 \global\let\and\relax
452 }
453 \else
454 \renewcommand\maketitle{\par
455   \begingroup
456     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
457     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
458     \long\def\@makefntext##1{\parindent 1em\noindent
459       \hb@xt@1.8em{%
460         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
461     \if@twocolumn
462       \ifnum \col@number=\@ne
463         \@maketitle
464       \else
465         \twocolumn[\@maketitle]%
466       \fi
467     \else
468       \newpage
469       \global\@topnum\z@   % Prevents figures from going at top of page.
470       \@maketitle
471     \fi
472     \thispagestyle{plain}\@thanks
473   \endgroup
474   \setcounter{footnote}{0}%

```



```

475 \global\let\thanks\relax
476 \global\let\LTRthanks\relax
477 \global\let\RTLthanks\relax
478 \global\let\maketitle\relax
479 \global\let\@maketitle\relax
480 \global\let\@thanks\@empty
481 \global\let\@author\@empty
482 \global\let\@date\@empty
483 \global\let\@title\@empty
484 \global\let\title\relax
485 \global\let\author\relax
486 \global\let\date\relax
487 \global\let\and\relax
488 }
489 \def\@maketitle{%
490   \newpage
491   \null
492   \vskip 2em%
493   \begin{center}%
494     \let \footnote \thanks
495     \let \LTRfootnote \LTRthanks
496     \let \RTLfootnote \RTLthanks
497     {\LARGE \@title \par}%
498     \vskip 1.5em%
499     {\large
500       \lineskip .5em%
501       \begin{tabular}[t]{c}%
502         \@author
503       \end{tabular}\par}%
504     \vskip 1em%
505     {\large \@date}%
506   \end{center}%
507   \par
508   \vskip 1.5em}
509 \fi
510 \renewcommand*\l@part[2]{%
511   \ifnum \c@tocdepth >-2\relax
512     \addpenalty\@secpenalty
513     \addvspace{2.25em \@plus\p@}%
514     \setlength\@tempdima{3em}%
515     \begingroup
516       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
517       \parfillskip -\@pnumwidth
518       {\leavevmode
519         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
520       \nobreak
521       \if@compatibility
522         \global\@nobreaktrue
523         \everypar{\global\@nobreakfalse\everypar{}}%
524       \fi

```



```

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

```




```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

672         \nobreak
673         \if@compatibility
674         \global\@nobreaktrue
675         \everypar{\global\@nobreakfalse\everypar{}}%
676     \fi
677 \endgroup
678 \fi}
679 \else
680     \renewcommand*\l@part{%
681         \ifnum \c@tocdepth >-2\relax
682         \addpenalty\@secpenalty
683         \addvspace{2.25em \@plus \p@}%
684         \@regtocline{0}%
685     \fi}
686 \fi
687 \if@oldtoc
688 \renewcommand*\l@section[2]{%
689     \addpenalty\@secpenalty
690     \addvspace{1.0em \@plus \p@}%
691     \setlength\@tempdima{1.5em}%
692     \begingroup
693     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
694     \parfillskip -\@pnumwidth
695     \leavevmode \bfseries
696     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
697     \hskip -\if@RTL\rightskip\else\leftskip\fi
698     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
699 \endgroup}
700 \else
701     \renewcommand*\l@section{\@regtocline{1}}
702 \fi
703 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
704 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
705 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
706 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
707 \renewenvironment{thebibliography}[1]
708     {\section*{\refname}%
709     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
710     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
711     \bidi@thebibliography@font@hook%
712     \list{\@biblabel{\@arabic\c@enumiv}}%
713         {\settowidth\labelwidth{\@biblabel{#1}}%
714         \leftmargin\labelwidth
715         \advance\leftmargin\labelsep
716         \@openbib@code
717         \usecounter{enumiv}%
718         \let\p@enumiv\@empty
719         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
720     \sloppy\clubpenalty4000\widowpenalty4000%
721     \sfcode`\.\@m}

```



```

722     {\def\@noitemerr
723      {\@latex@warning{Empty `thebibliography' environment}}}%
724     \endlist}
725 \renewcommand*\left@footnoterule{%
726   \kern-3\p@
727   \kern.5\baselineskip
728   \hrule\@width\unitindent
729   \kern.4\baselineskip
730 }
731 \renewcommand*\right@footnoterule{%
732   \kern-3\p@
733   \kern.5\baselineskip
734   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
735   \kern.4\baselineskip}
736 \if@titlepage
737 \renewcommand*\TitleFont{\rmfamily}
738 \renewcommand*\maketitle{%
739   \begin{titlepage}%
740     \let\footnotesize\small
741     \let\right@footnoterule\relax
742     \let\left@footnoterule\relax
743     \let\textwidth@footnoterule\relax
744     \let \footnote \thanks
745     \long\def\@makefnctext##1{\parindent\z@
746       \def\labelitemi{\textendash}\@revlabeltrue
747       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
748     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
749     \if@compatibility\setcounter{page}{0}\fi
750     \null\vfil
751     \vskip 60\p@
752     \begin{center}%
753       \TitleFont
754       {\LARGE \def\\{\penalty -\@M}
755         \if@allcaps
756           \expandafter\uc@nothanks\@title\thanks\relax
757         \else
758           \@title
759         \fi\par}%
760     \vskip 3em%
761     {\large
762       \lineskip .75em \parindent\z@
763       \begin{tabular}[t]{c}%
764         \if@allcaps
765           \expandafter\uc@authornothanks\@author\and\relax
766         \else
767           \@author
768         \fi
769       \end{tabular}\par}%
770     \vskip 1.5em%
771     {\large

```



```

772         \if@allcaps
773             \uppercase\expandafter{\@date}%
774         \else
775             \@date
776         \fi\par}%
777     \end{center}\par
778     \@thanks
779     \vfil\null
780 \end{titlepage}%
781 \setcounter{footnote}{0}%
782 \global\let\thanks\relax
783 \global\let\maketitle\relax
784 \global\let\@thanks\@empty
785 \global\let\@author\@empty
786 \global\let\@title\@empty
787 \global\let\@date\@empty
788 \global\let\title\relax
789 \global\let\author\relax
790 \global\let\date\relax
791 \global\let\and\relax
792 }
793 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
794 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
795     \futurelet\@tempa\uc@ax}
796 \def\uc@ax{%
797     \ifx\@tempa\relax
798     \else
799         \ \andname \ \ \expandafter\uc@authornothanks
800     \fi}
801 \def\uc@tx{\ifx\@tempa\relax
802     \else \expandafter\uc@ty \fi}
803 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
804 \else
805 \renewcommand*\maketitle{\par
806     \begin{group}
807         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
808         \def\@makefnmark{\rlap{%
809             \@textsuperscript{\normalfont\@thefnmark}}}%
810         \long\def\@makefntext{\@xmakefntext{%
811             \@textsuperscript{\normalfont\@thefnmark}}}%
812         \if@twocolumn
813             \ifnum \col@number=\@ne
814                 \@maketitle
815             \else
816                 \twocolumn[\@maketitle]%
817             \fi
818         \else
819             \newpage
820             \global\@topnum\z@
821             \@maketitle

```



```

822 \fi
823 \thispagestyle{plain}\@thanks
824 \endgroup
825 \setcounter{footnote}{0}%
826 \global\let\thanks\relax
827 \global\let\maketitle\relax
828 \global\let\@maketitle\relax
829 \global\let\@thanks\@empty
830 \global\let\@author\@empty
831 \global\let\@title\@empty
832 \global\let\@date\@empty
833 \global\let\title\relax
834 \global\let\author\relax
835 \global\let\date\relax
836 \global\let\and\relax
837 }
838 \def\@maketitle{%
839 \newpage
840 \null
841 \vskip 2em%
842 \begin{center}%
843 \let \footnote \thanks
844 {\LARGE \TitleFont \@title \par}%
845 \vskip 1.5em%
846 {\large \TitleFont
847 \lineskip .5em%
848 \begin{tabular}[t]{c}%
849 \@author
850 \end{tabular}\par}%
851 \vskip 1em%
852 {\large \TitleFont \@date}%
853 \end{center}%
854 \par
855 \vskip 1.5em}
856 \fi

```

11 File artikel2-xetex-bidi.def

```

857 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
858 \renewenvironment{theindex}{%
859 \if@twocolumn
860 \@restonecolfalse
861 \else
862 \@restonecoltrue
863 \fi
864 \columnseprule \z@
865 \columnsep 35\p@
866 \twocolumn[\section*{\indexname}]%
867 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
868 \thispagestyle{plain}\parindent\z@

```



```

869 \parskip\z@ \@plus .3\p@\relax
870 \let\item\@idxitem
871 }{%
872 \if@restonecol\onecolumn\else\clearpage\fi}
873 \renewcommand*\@regtocline[3]{%
874 \ifnum #1>\c@tocdepth
875 \else
876 \vskip\z@ \@plus .2\p@
877 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
878 \if@RTL\righskip\else\leftskip\fi\unitindent
879 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
880 \parfillskip\z@
881 \@tempdima\unitindent
882 \advance\@tempdima by \othermargin
883 \parindent\z@
884 \leavevmode
885 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
886 \hskip 1em \nobreak{\slshape #3}\par
887 }%
888 \fi}
889 \if@oldtoc
890 \renewcommand*\l@section[2]{%
891 \addpenalty\@secpenalty
892 \addvspace{1.0em \@plus\p@}%
893 \setlength\@tempdima{1.5em}%
894 \begingroup
895 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
896 \parfillskip -\@pnumwidth
897 \leavevmode \bfseries
898 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
899 \hskip -\if@RTL\righskip\else\leftskip\fi
900 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
901 \endgroup}
902 \else
903 \renewcommand*\l@section{\@regtocline{1}}
904 \fi
905 \if@oldtoc
906 \renewcommand*\l@part[2]{%
907 \ifnum \c@tocdepth >-2\relax
908 \addpenalty\@secpenalty
909 \addvspace{2.25em \@plus\p@}%
910 \begingroup
911 \setlength\@tempdima{3em}%
912 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
913 \parfillskip -\@pnumwidth
914 {\leavevmode
915 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
916 \nobreak
917 \if@compatibility
918 \global\@nobreaktrue

```



```

919 \everypar{\global\@nobreakfalse\everypar{}}%
920 \fi
921 \endgroup
922 \fi}
923 \else
924 \renewcommand*\l@part{%
925 \ifnum \c@tocdepth >-2\relax
926 \addpenalty\@secpenalty
927 \addvspace{2.25em \@plus \p@}%
928 \@regtocline{0}%
929 \fi}
930 \fi
931 \renewcommand*\head@style{%
932 \interlinepenalty \@M
933 \hyphenpenalty=\@M \exhyphenpenalty=\@M
934 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
935 \if@titlepage
936 \renewenvironment{abstract}{%
937 \titlepage
938 \null\vfil
939 \section*{\SectFont\abstractname}%
940 \noindent\ignorespaces}
941 {\par\vfil\null\endtitlepage}
942 \else
943 \renewenvironment{abstract}{%
944 \if@twocolumn
945 \section*{\abstractname}%
946 \else
947 \section*{\hskip\unitindent\small\SectFont\abstractname}%
948 \list{}{\setlength\listparindent{\unitindent}%
949 \setlength\parindent {\z@}%
950 \setlength\leftmargin {\unitindent}%
951 \setlength\rightmargin {\unitindent}%
952 \setlength\parsep {\z@}}%
953 \item[]%
954 \fi}
955 {\if@twocolumn\else\par\endlist\fi}
956 \fi
957 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
958 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
959 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
960 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
961 \renewcommand*\left@footnoterule{%
962 \kern-3\p@
963 \hrule\@width 3\unitindent
964 \kern 2.6\p@
965 }
966 \renewcommand*\right@footnoterule{%
967 \kern-3\p@
968 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }

```




```

969 \kern 2.6\p@}
970 \renewenvironment{thebibliography}[1]
971   {\section*{\refname}%
972    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
973    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
974    \bidi@thebibliography@font@hook%
975    \list{\@biblabel{\@arabic\c@enumiv}}%
976      {\settowidth\labelwidth{\@biblabel{#1}}%
977       \leftmargin\labelwidth
978       \advance\leftmargin\labelsep
979       \@openbib@code
980       \usecounter{enumiv}%
981       \let\p@enumiv\@empty
982       \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
983    \sloppy\clubpenalty4000\widowpenalty4000%
984    \sfcode`.\@m}
985  {\def\@noitemerr
986   {\@latex@warning{Empty `thebibliography' environment}}%
987   \endlist}
988 \if@titlepage
989 \renewcommand*{\TitleFont}{\rmfamily}
990 \renewcommand*{\maketitle}{%
991   \begin{titlepage}%
992     \let\footnotesize\small
993     \let\right@footnoterule\relax
994     \let\left@footnoterule\relax
995     \let\textwidth\footnoterule\relax
996     \let \footnote \thanks
997     \long\def\@makefnmark##1{\parindent\z@
998       \def\labelitemi{\textendash}\@revlabeltrue
999       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1000    \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1001    \if@compatibility\setcounter{page}{0}\fi
1002    \null\vfil
1003    \vskip 60\p@
1004    \begin{center}%
1005      \TitleFont
1006      {\LARGE \def\\{\penalty -\@M}
1007       \if@allcaps
1008         \expandafter\uc@nothanks\@title\thanks\relax
1009       \else
1010         \@title
1011         \fi\par}%
1012      \vskip 3em%
1013      {\large
1014       \lineskip .75em \parindent\z@
1015       \begin{tabular}[t]{c}%
1016         \if@allcaps
1017           \expandafter\uc@authornothanks\@author\and\relax
1018         \else

```



```

1019         \@author
1020         \fi
1021     \end{tabular}\par}%
1022     \vskip 1.5em%
1023     {\large
1024     \if@allcaps
1025         \uppercase\expandafter{\@date}%
1026     \else
1027         \@date
1028     \fi\par}%
1029     \end{center}\par
1030     \@thanks
1031     \vfil\null
1032 \end{titlepage}%
1033 \setcounter{footnote}{0}%
1034 \global\let\thanks\relax
1035 \global\let\maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1046 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1047     \futurelet\@tempa\uc@ax}
1048 \def\uc@ax{%
1049     \ifx\@tempa\relax
1050     \else
1051         \\\ \andname \\\ \expandafter\uc@authornothanks
1052     \fi}
1053 \def\uc@tx{\ifx\@tempa\relax
1054     \else \expandafter\uc@ty \fi}
1055 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1056 \else
1057 \renewcommand*\maketitle{\par
1058     \begin{group}
1059         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1060         \long\def\@makefnmark##1{\parindent\z@
1061             \def\labelitemi{\textendash}%
1062             \leavevmode\hb@xt@.5\unitindent{%
1063                 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1064         \if@twocolumn
1065             \ifnum \col@number=\@ne
1066                 \@maketitle
1067             \else
1068                 \twocolumn[\@maketitle]%

```



```

1069     \fi
1070   \else
1071     \newpage
1072     \global\@topnum\z@
1073     \@maketitle
1074   \fi
1075   \thispagestyle{plain}\@thanks
1076 \endgroup
1077 \setcounter{footnote}{0}%
1078 \global\let\thanks\relax
1079 \global\let\maketitle\relax
1080 \global\let\@maketitle\relax
1081 \global\let\@thanks\@empty
1082 \global\let\@author\@empty
1083 \global\let\@title\@empty
1084 \global\let\@date\@empty
1085 \global\let\title\relax
1086 \global\let\author\relax
1087 \global\let\date\relax
1088 \global\let\and\relax
1089 }
1090 \def\@maketitle{%
1091   \newpage
1092   \null
1093   \vskip 2em%
1094   \begin{center}%
1095     \let \footnote \thanks
1096     {\LARGE \TitleFont \@title \par}%
1097     \vskip 1.5em%
1098     {\large \TitleFont
1099       \lineskip .5em%
1100       \begin{tabular}[t]{c}%
1101         \@author
1102       \end{tabular}\par}%
1103     \vskip 1em%
1104     {\large \TitleFont \@date}%
1105   \end{center}%
1106   \par
1107   \vskip 1.5em}
1108 \fi

```

12 File artikel3-xetex-bidi.def

```

1109 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1110 \renewenvironment{theindex}{%
1111   \if@twocolumn
1112     \@restonecolfalse
1113   \else
1114     \@restonecoltrue
1115   \fi

```



```

1116 \columnseprule \z@
1117 \columnsep 35\p@
1118 \twocolumn[\section*{\indexname}]%
1119 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1120 \thispagestyle{plain}\parindent\z@
1121 \parskip\z@ \@plus .3\p@\relax
1122 \let\item\@idxitem
1123 }{%
1124 \if@restonecol\onecolumn\else\clearpage\fi}
1125 \renewcommand*{\headstyle}{%
1126 \interlinepenalty \@M
1127 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1128 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1129 \renewcommand*{\@regtocline[3]}{%
1130 \ifnum #1>\c@tocdepth
1131 \else
1132 \vskip\z@ \@plus.2\p@
1133 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1134 \if@RTL\rightskip\else\leftskip\fi\unitindent
1135 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1136 \parfillskip\z@
1137 \@tempdima\unitindent
1138 \parindent\z@
1139 \leavevmode
1140 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1141 \hskip 1em \nobreak{\slshape #3}\par
1142 }%
1143 \fi}
1144 \if@oldtoc
1145 \renewcommand*{\l@part[2]}{%
1146 \ifnum \c@tocdepth >-2\relax
1147 \addpenalty\@secpenalty
1148 \addvspace{2.25em \@plus\p@}%
1149 \begingroup
1150 \setlength\@tempdima{3em}%
1151 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1152 \parfillskip -\@pnumwidth
1153 {\leavevmode
1154 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1155 \nobreak
1156 \if@compatibility
1157 \global\@nobreaktrue
1158 \everypar{\global\@nobreakfalse\everypar{}}%
1159 \fi
1160 \endgroup
1161 \fi}
1162 \else
1163 \renewcommand*{\l@part}{%
1164 \ifnum \c@tocdepth >-2\relax
1165 \addpenalty\@secpenalty

```



```

1166     \addvspace{2.25em \@plus \p@}%
1167     \regtocline{0}%
1168   \fi}
1169 \fi
1170
1171 \if@oldtoc
1172 \renewcommand*\l@section[2]{%
1173   \addpenalty\secpenalty
1174   \addvspace{1.0em \@plus \p@}%
1175   \setlength\tempdima{1.5em}%
1176   \begingroup
1177   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1178   \parfillskip -\@pnumwidth
1179   \leavevmode \bfseries
1180   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1181   \hskip -\if@RTL\rightskip\else\leftskip\fi
1182   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1183   \endgroup}
1184 \else
1185   \renewcommand*\l@section{\@regtocline{1}}
1186 \fi
1187 \if@titlepage
1188   \renewenvironment{abstract}{%
1189     \titlepage
1190     \null\vfil
1191     \section*{\SectFont\abstractname}%
1192     \noindent\ignorespaces}
1193     {\par\vfil\null\endtitlepage}
1194 \else
1195   \renewenvironment{abstract}{%
1196     \if@twocolumn
1197       \section*{\abstractname}%
1198     \else
1199       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1200       \section*{\small\SectFont\abstractname}%
1201       \noindent\ignorespaces
1202     \fi}
1203     {\if@twocolumn\else\par\egroup\fi}
1204 \fi
1205 \renewcommand*\left@footnoterule{%
1206   \kern-3\p@
1207   \kern.5\baselineskip
1208   \hrule\@width\unitindent
1209   \kern.4\baselineskip
1210 }
1211 \renewcommand*\right@footnoterule{%
1212   \kern-3\p@
1213   \kern.5\baselineskip
1214   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1215   \kern.4\baselineskip}

```



```

1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221     {\section*{\refname}%
1222      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1223      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1224      \bidi@thebibliography@font@hook%
1225      \list{\@biblabel{\@arabic\c@enumiv}}%
1226          {\settowidth\labelwidth{\@biblabel{#1}}%
1227           \leftmargin\labelwidth
1228           \advance\leftmargin\labelsep
1229           \@openbib@code
1230           \usecounter{enumiv}%
1231           \let\p@enumiv\@empty
1232           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1233      \sloppy\clubpenalty4000\widowpenalty4000%
1234      \sfcode`. \m}
1235      {\def\@noitemerr
1236       {\@latex@warning{Empty `thebibliography' environment}}%
1237       \endlist}
1238 \if@titlepage
1239 \renewcommand*\TitleFont{\rmfamily}
1240 \renewcommand*\maketitle{%
1241     \begin{titlepage}%
1242     \let\footnotesize\small
1243     \let\right@footnoterule\relax
1244     \let\left@footnoterule\relax
1245     \let\textwidth@footnoterule\relax
1246     \let \footnote \thanks
1247     \long\def\@makefnmark##1{\parindent\z@
1248       \def\labelitemi{\textendash}\@revlabeltrue
1249       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1250     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1251     \if@compatibility\setcounter{page}{0}\fi
1252     \null\vfil
1253     \vskip 60\p@
1254     \begin{center}%
1255     \TitleFont
1256     {\LARGE \def\\{\penalty -\@M}
1257      \if@allcaps
1258        \expandafter\uc@nothanks\@title\thanks\relax
1259      \else
1260        \@title
1261      \fi\par}%
1262     \vskip 3em%
1263     {\large
1264      \lineskip .75em \parindent\z@
1265      \begin{tabular}[t]{c}%

```



```

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

```



```

1316         \@maketitle
1317     \else
1318         \twocolumn[\@maketitle]%
1319     \fi
1320 \else
1321     \newpage
1322     \global\@topnum\z@
1323     \@maketitle
1324 \fi
1325 \thispagestyle{plain}\@thanks
1326 \endgroup
1327 \setcounter{footnote}{0}%
1328 \global\let\thanks\relax
1329 \global\let\maketitle\relax
1330 \global\let\@maketitle\relax
1331 \global\let\@thanks\@empty
1332 \global\let\@author\@empty
1333 \global\let\@title\@empty
1334 \global\let\@date\@empty
1335 \global\let\title\relax
1336 \global\let\author\relax
1337 \global\let\date\relax
1338 \global\let\and\relax
1339 }
1340 \def\@maketitle{%
1341     \newpage
1342     \null
1343     \vskip 2em%
1344     \if@titlecentered
1345         \begin{center}%
1346             \let \footnote \thanks
1347             {\LARGE \TitleFont \@title \par}%
1348             \vskip 1.5em%
1349             {\large \TitleFont
1350                 \lineskip .5em%
1351                 \begin{tabular}[t]{c}%
1352                     \@author
1353                 \end{tabular}\par}%
1354             \vskip 1em%
1355             {\large \TitleFont \@date}%
1356         \end{center}%
1357     \else
1358         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1359         {\large \TitleFont \lineskip .5em \tabcolsep\z@
1360             \def\and{%% \begin{tabular} has already started
1361                 \end{tabular}\hskip 1em plus .17fil
1362                 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1363                 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1364             \vskip 1em {\large \TitleFont \@date}
1365         \fi

```




```

1366 \par
1367 \vskip 1.5em}
1368 \fi

```

13 File arydshln-xetex-bidi.def

```

1369 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1370 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1371 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1372 \expandafter\let\csname endtabular*\endcsname\endtabular
1373 \let\adl@array\@array
1374 \def\@array{\adl@everyvbox\everyvbox
1375     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1376     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1377     \let\adl@noalign\noalign
1378     \adl@array}
1379 \ifadl@usingarypkg
1380 \def\@testpach{\@chclass
1381 \ifnum \@lastchclass=6 \one \@chnum \one \else
1382 \ifnum \@lastchclass=7 5 \else
1383 \ifnum \@lastchclass=8 \tw@ \else
1384 \ifnum \@lastchclass=9 \thr@@
1385 \else \z@
1386 \ifnum \@lastchclass = 10 \else
1387 \edef\@nextchar{\expandafter\string\@nextchar}%
1388 \@chnum
1389 \if \@nextchar c\z@ \else
1390 \if \@nextchar \if@RTLtab r\else l\fi\one \else
1391 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1392 \z@ \@chclass
1393 \if \@nextchar |\one \let\@arrayrule\adl@arrayrule \else
1394 \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1395 \if \@nextchar ; \one \let\@arrayrule\adl@argarraydashrule \else
1396 \if \@nextchar !6 \else
1397 \if \@nextchar @7 \else
1398 \if \@nextchar <8 \else
1399 \if \@nextchar >9 \else
1400 10
1401 \@chnum
1402 \if \@nextchar m\thr@@\else
1403 \if \@nextchar p4 \else
1404 \if \@nextchar b5 \else
1405 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1406 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1407
1408 \def\@classz{\@classx
1409 \@tempcnta \count@
1410 \prepnext@tok
1411 \@addtopreamble{\ifcase \@chnum
1412 \hfil

```



```

1413 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1416 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1417 \adl@endmbox\or
1418 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1419 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1420 \fi}\prepnext@tok}
1421 \def\adl@class@start{4}
1422 \def\adl@class@iiiorvii{7}
1423
1424 \else
1425 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1426 \ifnum \@lastchclass=\thr@@ 5\relax \else
1427 \z@ \if #1c\@chnum \z@ \else
1428 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1429 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1430 \@chclass
1431 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1432 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1433 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1434 \if #1@\tw@ \else
1435 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1436 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1437
1438 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1439 \or \or \@addamp \or
1440 \@acolampacol \or \@firststampfalse \@acol \fi
1441 \edef\@preamble{\@preamble
1442 \ifcase \@chnum
1443 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1444 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1445 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1446 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1447 \or \or \@addamp \or
1448 \@acolampacol \or \@firststampfalse \@acol \fi
1449 \edef\@preamble{\@preamble
1450 \ifcase \@chnum
1451 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1452 \or \adl@putlrc{\@sharp\unskip}\hfil
1453 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1454 \def\adl@class@start{6}
1455 \def\adl@class@iiiorvii{3}
1456 \fi
1457 \ifpackageloaded{colortbl}{%
1458 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1459 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1460 \let\@endpbox\adl@org@endpbox}
1461 \let\adl@CT@setup\CT@setup
1462 \def\CT@setup{\adl@CT@setup

```



```

1463      \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1464      \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1465      \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1466 \let\adl@act@CT@setup\CT@setup
1467 \def\@classz{\@classx
1468     \@tempcnta\count@ \prepnext@tok
1469     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1470     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1471     \expandafter\adl@extract@drsc
1472         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1473     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1474     \@addtopreamble{\if@RTL\beginL\fi%
1475         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1476         \ifcase \@chnum
1477             \hskip\stretch{.5}\kern\z@
1478             \d@llarbegin
1479             \insert@column
1480             \d@llarend\hskip\stretch{.5}%
1481         \or \d@llarbegin \insert@column \d@llarend \hfill
1482         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1483         \or $\vcenter
1484             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1485         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1486         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1487         \fi
1488         \if@RTL\endR\fi\egroup\egroup
1489     \begingroup
1490         \CT@setup
1491         \CT@column@color
1492         \CT@row@color
1493         \CT@cell@color
1494         \CT@do@color
1495     \endgroup
1496     \@tempdima\ht\z@
1497     \advance\@tempdima\minrowclearance
1498     \vrule\@height\@tempdima\@width\z@
1499     \unhbox\z@\if@RTL\endL\fi}%
1500     \prepnext@tok}
1501 \let\adl@act@classz\@classz
1502 \let\adl@org@classz\@classz
1503 }{}

```

14 File bidi.sty

```

1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2018/08/12}
1506 \def\bidi@version{33.1}
1507 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%

```



```

1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1520 * ^^J%
1521 * v\bidi@version, \bididate^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1529 * ^^J%
1530 * Support: http://persian-tex.com^^J%
1531 * ^^J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1537 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1538   \ifdim\bidi@version pt > #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1544   \ifdim\bidi@version pt < #1 pt %
1545     \expandafter\@firstoftwo
1546   \else
1547     \expandafter\@secondoftwo
1548   \fi}
1549 \newcommand*{\IfbidiPackageVersion}[1]{%
1550   \ifdim\bidi@version pt = #1 pt %
1551     \expandafter\@firstoftwo
1552   \else
1553     \expandafter\@secondoftwo
1554   \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{biditools}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}

```



```

1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@bidi@pdfm@mark
1572 \newif\if@RTLmarginpar
1573 \newif\if@LTRmarginpar
1574 \newif\if@LTRbibitems
1575 \newif\if@RTLbibitems
1576 \newif\if@extrafootnotefeatures
1577 \newif\if@parafootRTL
1578 \newif\if@RTLcolumnfootnotes
1579 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1580 \newif\if@bidi@list@minipage@parbox
1581 \newif\if@bidi@list@minipage@parbox@not@nob
1582 \newcommand*{\@bidi@pdfcreator}{%
1583   The bidi package, v\@bidi@version, \@bidi@date
1584 }
1585 \newcommand*{\@bidi@pdfproducer}{%
1586   The bidi package, v\@bidi@version, \@bidi@date
1587 }
1588 \newcommand*{\@bidi@pdfcustomproperties}{%
1589   This is the bidi package, Version \@bidi@version,
1590   Released August 12, 2018.
1591 }
1592 \@RTLmainfalse
1593 \AtBeginDocument{%
1594   \if@RTLmain\else
1595     \if@RTL\@RTLmaintrue%
1596     \else\@RTLmainfalse%
1597     \fi%
1598   \fi%
1599 }
1600 \let\n@xt=
1601 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1602 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1603 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1604 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1605 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1606   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1607 \newinsert\@bidi@copyins@
1608 \skip\@bidi@copyins@=12\p@
1609 \dimen\@bidi@copyins@=40pc

```



```

1610 %\count\@bidi@copyins@=1000
1611 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1612 \newcommand*{\@bidi@logo@hb@xt@}{%
1613   \if@RTLmain
1614     \hboxR to
1615   \else
1616     \hboxL to
1617   \fi
1618 }
1619 \newcommand*{\@bidi@logo}[1]{%
1620   \toks@{%
1621     \setbox\z@\hbox{%
1622       \special{%
1623         pdf:image width 50pt height 50pt (#1)%
1624       }
1625     }%
1626     \dp\z@\z@
1627     \ht\z@=50pt
1628     \wd\z@=50pt
1629     \beginL
1630     \lower20pt\box\z@
1631     \endL
1632   }%
1633   \the\toks@
1634 }
1635 \newcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@\textwidth{\hss\LRE{\bfseries Typeset by the \tex
1636 \input{latex-xetex-bidi.def}
1637 \input{loadingorder-xetex-bidi.def}
1638 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1639   \ifcase\bidi@tempb\relax
1640     \@RTLtrue
1641   \or
1642     \@RTLfalse
1643   \fi}
1644 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1645   \ifcase\bidi@tempb\relax
1646     \@RTLtrue
1647   \or
1648     \@RTLfalse
1649   \fi}
1650 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1651   \ifcase\bidi@tempb\relax
1652     \@RTLtabtrue
1653   \or
1654     \@RTLtabfalse
1655   \fi}
1656 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1657   \ifcase\bidi@tempb\relax
1658     \@nonlatinfalse
1659   \or

```



```

1660 \nonlatintrue
1661 \fi}
1662 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1663 \ifcase\bidi@tempb\relax
1664 \RTLtrue
1665 \or
1666 \RTLfalse
1667 \fi}
1668 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,%
1669 \ifcase\bidi@tempb\relax
1670 \autofootnoterule
1671 \or
1672 \leftfootnoterule
1673 \or
1674 \rightfootnoterule
1675 \or
1676 \SplitFootnoteRule
1677 \or
1678 \textwidthfootnoterule
1679 \fi}
1680 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright,%
1681 \ifcase\bidi@tempb\relax
1682 \RTL@footnotetrue
1683 \or
1684 \RTL@footnotefalse
1685 \fi}
1686 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1687 \ifcase\bidi@tempb\relax
1688 \footdir@debugtrue
1689 \or
1690 \footdir@debugfalse
1691 \fi}
1692 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1693 \ifcase\bidi@tempb\relax
1694 \@extrafootnotefeaturestrue
1695 \or
1696 \@extrafootnotefeaturesfalse
1697 \fi}
1698
1699 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1700 \ifcase\bidi@tempb\relax
1701 \def\bidi@firstcolumn@status@write{%
1702 \protected@write\@auxout{%
1703 \string\bidi@column@status
1704 {1}}}%
1705 \def\bidi@lastcolumn@status@write{%
1706 \protected@write\@auxout{%
1707 \string\bidi@column@status{2}}}%
1708 \or
1709 \let\bidi@firstcolumn@status@write\relax

```



```

1710 \let\@bidi@lastcolumn@status@write\relax
1711 \fi}
1712
1713 \define@choicekey{bidi.sty}{logo}{\@bidi@tempa\@bidi@tempb}{on,off}[on]{%
1714 \ifcase\@bidi@tempb\relax
1715 \AtBeginDocument{\@bidi@inslogo@}%
1716 \or
1717 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1718 \fi}
1719
1720 \define@choicekey{bidi.sty}{pdfinfo}{\@bidi@tempa\@bidi@tempb}{on,off}[on]{%
1721 \ifcase\@bidi@tempb\relax
1722 \@bidi@pdfm@marktrue
1723 \or
1724 \@bidi@pdfm@markfalse
1725 \fi}
1726
1727 \ExecuteOptionsX{%
1728 DetectColumn=off%
1729 }
1730
1731 \ProcessOptionsX
1732
1733 \if@extrafootnotefeatures
1734 \input{extrafootnotefeatures-xetex-bidi.def}
1735 \fi
1736 \newcount\@bidi@digits
1737 \XeTeXinterchartokenstate=\@ne
1738 \newXeTeXintercharclass\@bidi@digits@charclass
1739 \newXeTeXintercharclass\@bidi@sepmark@charclass
1740 \XeTeXcharclass \\. \@bidi@sepmark@charclass
1741 \XeTeXcharclass \- \@bidi@sepmark@charclass
1742 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \@bidi@digits@charclass \ifnum\bidi@digits<
1743 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \@bidi@digits@charclass \ifnum\bidi@digits<
1744 \XeTeXinterchartoks \@bidi@sepmark@charclass \@bidi@digits@charclass = {\DigitsDotDashInterChar
1745 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1746 \AtEndDocument{%
1747 \special{pdf:%
1748 docinfo<<%
1749 \if@bidi@pdfm@mark
1750 /Creator(\@bidi@pdfcreator)%
1751 /Producer(\@bidi@pdfproducer)%
1752 \fi
1753 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1754 \if@bidi@csdef{xepersian@pdfcustomproperties}{%
1755 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1756 }{}%
1757 >>%
1758 }%
1759 }

```



15 File bidi.tex

```
1760 \def\bididate{2018/08/12}
1761 \catcode`\@=11
1762 \def\bidi@version{33.1}
1763 \let \protect \relax
1764 \newlinechar`\^^J
1765 \edef\@bidi@info{*****^^J%
1766 * ^^J%
1767 * bidi package (Bidirectional typesetting in^^J%
1768 * plain TeX and LaTeX, using XeTeX engine)^^J%
1769 * ^^J%
1770 * Description: A convenient interface for^^J%
1771 * typesetting bidirectional texts in plain TeX^^J%
1772 * and LaTeX. The package includes adaptations^^J%
1773 * for use with many other commonly-used packages.^^J%
1774 * ^^J%
1775 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1776 * ^^J%
1777 * v\bidi@version, \bididate^^J%
1778 * ^^J%
1779 * License: LaTeX Project Public License, version^^J%
1780 * 1.3c or higher (your choice)^^J%
1781 * ^^J%
1782 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1783 * ^^J%
1784 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1785 * ^^J%
1786 * Support: http://persian-tex.com^^J%
1787 * ^^J%
1788 *****}
1789 \message{\@bidi@info}
1790 \edef\bidi@everyjob{\the\everyjob}
1791 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1792 \def\bidiversion{%
1793   \relax
1794   \ifmmode
1795     \bidi@version
1796   \else
1797     $\bidi@version$
1798   \fi
1799 }
1800 \input iftex.sty
1801 \RequireXeTeX
1802 \newif\if@bidi@pdfm@mark
1803 \newif\if@RTLmain
1804 \newif\if@RTL
1805 \newif\if@hboxRconstruct
1806 \newif\if@sendlr
1807 \newif\if@RTL@footnote
```



```

1808 \@RTLmainfalse
1809 \def\setRTLmain{%
1810   \if@RTLmain\else
1811     \if@RTL\@RTLmaintrue%
1812     \else\@RTLmainfalse%
1813     \fi%
1814   \fi%
1815 }
1816 \let\n@xt=\
1817 \protected\def\LRE{\protect\pLRE}%
1818 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1819 \protected\def\RLE{\protect\pRLE}
1820 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1821 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1822   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1823 \newinsert\@bidi@copyins@
1824 \skip\@bidi@copyins@=12\p@
1825 \dimen\@bidi@copyins@=40pc
1826 \count\@bidi@copyins@=1000
1827 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1828 \def\@bidi@logo@hb@xt@{%
1829   \if@RTLmain
1830     \hboxR to
1831   \else
1832     \hboxL to
1833   \fi
1834 }
1835 \def\@bidi@logo#1{%
1836   \toks@{%
1837     \setbox\z@\hbox{%
1838       \special{%
1839         pdf:image width 50pt height 50pt (#1)%
1840       }
1841     }%
1842     \dp\z@\z@
1843     \ht\z@=50pt
1844     \wd\z@=50pt
1845     \beginL
1846       \lower20pt\box\z@
1847     \endL
1848   }%
1849   \the\toks@
1850 }
1851 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@}}
1852 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1853 \def\@bidi@pdfcreator{%
1854   The bidi package, v\@bidi@version, \@bidi@date
1855 }
1856 \def\@bidi@pdfproducer{%
1857   The bidi package, v\@bidi@version, \@bidi@date

```



```

1858 }
1859 \def\@bidi@pdfcustomproperties{%
1860   This is the bidi package, Version \bidi@version,
1861   Released August 12, 2018.
1862 }
1863 \def\bidi@pdfm@mark{%
1864   \special{pdf:
1865     docinfo<<%
1866     \if@bidi@pdfm@mark
1867       /Creator(\@bidi@pdfcreator)%
1868       /Producer(\@bidi@pdfproducer)%
1869       \fi
1870     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1871     >>%
1872   }%
1873 }
1874 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1875 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1876 \input plain-xetex-bidi.def
1877 \@bidi@inslogo@
1878 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1879 \catcode`\@=12
1880 \bidipdfinfoon

```

16 File bidi2in1.sty

```

1881 \NeedsTeXFormat{LaTeX2e}
1882 \ProvidesPackage{bidi2in1}
1883 \pagestyle{plain}
1884 \newcount\evenpage
1885 \newcount\oddpge
1886 \twocolumn
1887 \def\@oddfont{\evenpage=\thepage%
1888 \multiply\evenpage by 2%
1889 \oddpge=\the\evenpage%
1890 \advance\oddpge by -1%
1891 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1892 \def\@evenfont{\evenpage=\thepage%
1893 \multiply\evenpage by 2%
1894 \oddpge=\the\evenpage%
1895 \advance\oddpge by -1%
1896 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1897 \textwidth 9.49in
1898 \textheight 6.7in
1899 \columnsep 0.9in
1900 \columnseprule 0.125pt
1901 \headheight 0cm
1902 \topmargin 0in
1903 \marginparwidth 0in
1904 \marginparsep 0in

```



```

1905 \hoffset 0.05in % Corrected
1906 \voffset -0.5in %top margin space is 1.0in by default
1907 \oddsidemargin 0in
1908 \evensidemargin 0in
1909 \headsep 0cm
1910 \topskip 0cm
1911 \parskip 0.15in %
1912 \headsep 0pt
1913 \special{papersize=11.69in,8.26in}
1914 \renewcommand\maketitle{\par
1915 \begingroup
1916 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1917 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1918 \long\def\@makefntext##1{\parindent 1em\noindent
1919 \hb@xt@1.8em{%
1920 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1921 \@maketitle
1922 \@thanks
1923 \endgroup
1924 \setcounter{footnote}{0}%
1925 \global\let\thanks\relax
1926 \global\let\maketitle\relax
1927 \global\let\@maketitle\relax
1928 \global\let\@thanks\@empty
1929 \global\let\@author\@empty
1930 \global\let\@date\@empty
1931 \global\let\@title\@empty
1932 \global\let\title\relax
1933 \global\let\author\relax
1934 \global\let\date\relax
1935 \global\let\and\relax
1936 }

```

17 File bidicode.sty

```

1937 \NeedsTeXFormat{LaTeX2e}
1938 \ProvidesPackage{bidicode}
1939 \RequirePackage{xcolor}
1940 \RequirePackage{showexpl}
1941 \definecolor{hellgelb}{rgb}{1,1,0.85}
1942 \definecolor{colKeys}{rgb}{0,0,1}
1943 \definecolor{colIdentifier}{rgb}{0,0,0}
1944 \definecolor{colComments}{rgb}{1,0,0}
1945 \definecolor{colString}{rgb}{0,0.5,0}
1946 \lstset{
1947   language=[LaTeX]TEX,
1948   float=hb,
1949   basicstyle=\ttfamily\small,
1950   identifierstyle=\color{colIdentifier},
1951   keywordstyle=\color{colKeys},

```



```

1952 stringstyle=\color{colString},
1953 commentstyle=\color{colComments},
1954 backgroundcolor=\color{hellgelb},
1955 columns=flexible,
1956 tabsize=4,
1957 extendedchars=true,
1958 showspace=false,
1959 showstringspaces=false,
1960 numbers=left,
1961 numbersep=0.9em,
1962 numberstyle=\tiny, %
1963 frame=single,
1964 captionpos=b,
1965 xleftmargin=1em,
1966 breaklines=true,
1967 breakautoindent=false,
1968 breakindent=0pt,
1969 escapeinside=**,
1970 pos=r,
1971 explpreset={%
1972 xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1973 morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1974 }
1975 \newcommand\HLON{%
1976 \gdef\lst@alloverstyle##1{%
1977 \fboxrule=0pt
1978 \fboxsep=0pt
1979 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1980 }}
1981 \newcommand\HLOFF{%
1982 \xdef\lst@alloverstyle##1{##1}%
1983 }
1984 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
1985 \newcommand\Larga [1]{\angle$\Larg{#1}$\rangle$}
1986 \newcommand\Largb [1]{\lcb\Larg{#1}\rcb}
1987 \newcommand\Largs [1]{\lsb\Larg{#1}\rsb}
1988 \newcommand\Largr [1]{\lrb\Larg{#1}\rrb}
1989 \newcommand\LBEG [1]{\normalfont\ttfamily\bs{}}begin\lcb#1\rcb}
1990 \newcommand\LEND [1]{\normalfont\ttfamily\bs{}}end\lcb#1\rcb}
1991
1992 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1993 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1994 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
1995 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
1996 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
1997 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
1998 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
1999
2000 \def\Lcs#1{\nxLcs{#1}}
2001 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}

```



```

2002 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2003
2004 \def\Coordx#1{$x_{#1}$}
2005 \def\Coordy#1{$y_{#1}$}
2006 \def\Coordz#1{$z_{#1}$}
2007 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2008 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2009 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2010 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2011 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2012 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2013 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2014 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2015 \def\coordx#1{($x_{#1}$)}
2016 \def\coordy#1{($y_{#1}$)}
2017 \def\coordz#1{($z_{#1}$)}
2018 \def\cAny{(\Coordx{},\kern 1pt\Coordy{})}
2019 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{})}
2020
2021 \newsavebox{\boxdef}
2022 \newenvironment{BDef}
2023   {\begin{lrbox}\boxdef
2024     \def\arraystretch{1.0}
2025     \begin{tabular}{@{}l@{}l@{}l@{}}
2026   }
2027   {\end{tabular}\end{lrbox}}
2028
2029   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2030   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2031 }
2032
2033 \newenvironment{BDef*}
2034   {\begin{lrbox}\boxdef
2035     \def\arraystretch{1.0}
2036     \begin{tabular}{@{}l@{}l@{}l@{}}
2037   }
2038   {\end{tabular}\end{lrbox}}
2039   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2040   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2041 }
2042 \newenvironment{BCmd}{
2043   \@beginparpenalty-\@lowpenalty
2044   \topsep\BDefaboveskip
2045   \fbboxsep3pt
2046   \flushleft}
2047   {\@endparpenalty\@M
2048   \@topsepadd\BDefbelowskip
2049   \endflushleft}
2050
2051 \newenvironment{BCmd*}{

```



```

2052 \@beginparpenalty\M
2053 \topsep\BDefinlineskip
2054 \fboxsep3pt
2055 \flushleft}
2056 {\@endparpenalty5000
2057 \endflushleft}
2058
2059 \newskip\BDefaboveskip
2060 \newskip\BDefbelowskip
2061 \newskip\BDefinlineskip
2062 \setlength\BDefaboveskip{10pt plus 4pt}
2063 \setlength\BDefbelowskip{6pt}
2064 \setlength\BDefinlineskip{6pt}
2065
2066 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2067 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2068 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2069 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2070 \NeedsTeXFormat{LaTeX2e}
2071 \ProvidesPackage{bidiftnxtra}
2072 \newtoks\bidi@p@ftn
2073 \let\FN@sfi@@footnote\footnote
2074 \let\FN@sfi@@LTRfootnote\LTRfootnote
2075 \let\FN@sfi@@RTLfootnote\RTLfootnote
2076 \def\footnote{\ifx\protect\@typeset@protect
2077   \expandafter\FN@sfi@@footnote
2078   \else
2079   \expandafter\FN@sfi@gobble@opt
2080   \fi
2081 }
2082 \def\LTRfootnote{\ifx\protect\@typeset@protect
2083   \expandafter\FN@sfi@@LTRfootnote
2084   \else
2085   \expandafter\FN@sfi@gobble@opt
2086   \fi
2087 }
2088 \def\RTLfootnote{\ifx\protect\@typeset@protect
2089   \expandafter\FN@sfi@@RTLfootnote
2090   \else
2091   \expandafter\FN@sfi@gobble@opt
2092   \fi
2093 }
2094 \edef\FN@sfi@gobble@opt{\noexpand\protect
2095   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
2096 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
2097   \@ifnextchar[%]
2098   \FN@sfi@gobble@twobrace}

```



```

2099 \gobble
2100 }
2101 \def\FN@sfgobble@twobrace[#1]#2{}
2102 \let\FN@sfgobble@footnotemark\footnotemark
2103 \def\footnotemark{\ifx\protect\@typeset@protect
2104 \expandafter\FN@sfgobble@footnotemark
2105 \else
2106 \expandafter\FN@sfgobble@optonly
2107 \fi
2108 }
2109 \edef\FN@sfgobble@optonly{\noexpand\protect
2110 \expandafter\noexpand\csname FN@sfgobble@optonly\endcsname}
2111 \expandafter\def\csname FN@sfgobble@optonly\endcsname{%
2112 \@ifnextchar[%]
2113 \FN@sfgobble@bracket
2114 }%
2115 }
2116 \def\FN@sfgobble@bracket[#1]{}
2117 \def\@tabular{%
2118 \leavevmode \hbox \bgroup
2119 \let\@footnotetext\@bidi@p@fnttext
2120 \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2121 \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2122 \let\@xfootnotenext\@bidi@p@xftntext
2123 \let\@xfootnote\@bidi@p@xfootnote
2124 \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext
2125 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2126 \let\@xRTLfootnotenext\@bidi@p@xRTLfnttext
2127 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2128 \if@RTLtab\beginR \fi
2129 $\let\@acol\@tabacol
2130 \let\@classz\@tabclassz
2131 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2132 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2133 \egroup $\if@RTLtab\endR\fi\egroup
2134 \ifx\@captive\undefined
2135 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2136 \long\def\@bidi@p@fnttext#1{%
2137 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2138 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2139 \long\def\@bidi@p@LTRfnttext#1{%
2140 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2141 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2142 \long\def\@bidi@p@RTLfnttext#1{%
2143 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2144 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2145
2146
2147 \long\def\@bidi@p@xftntext[#1]#2{%
2148 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}

```




```

2149
2150 \long\def\bidip@xLTRftntext[#1]#2{%
2151   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}
2152
2153 \long\def\bidip@xRTLftntext[#1]#2{%
2154   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}
2155
2156
2157 \def\bidip@xfootnote[#1]{%
2158   \begingroup
2159     \csname c@\mpfn\endcsname #1\relax
2160     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2161   \endgroup
2162   \@footnotemark\bidip@xftntext[#1]}
2163
2164
2165 \def\bidip@xLTRfootnote[#1]{%
2166   \begingroup
2167     \csname c@\mpfn\endcsname #1\relax
2168     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2169   \endgroup
2170   \@footnotemark\bidip@xLTRftntext[#1]}
2171
2172
2173 \def\bidip@xRTLfootnote[#1]{%
2174   \begingroup
2175     \csname c@\mpfn\endcsname #1\relax
2176     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2177   \endgroup
2178   \@footnotemark\bidip@xRTLftntext[#1]}
2179
2180 \def\@xfloat #1[#2]{%
2181   \@nodocument
2182   \def \@capttype {#1}%
2183   \def \@fps {#2}%
2184   \@onelevel@sanitize \@fps
2185   \def \reserved@b {!}%
2186   \ifx \reserved@b \@fps
2187     \@fpsadddefault
2188   \else
2189     \ifx \@fps \@empty
2190       \@fpsadddefault
2191     \fi
2192   \fi
2193   \ifhmode
2194     \@bsphack
2195     \@floatpenalty -\@Mii
2196   \else
2197     \@floatpenalty-\@Miii
2198   \fi

```



```

2199 \ifinner
2200   \@parmoderr\@floatpenalty\z@
2201 \else
2202   \@next\@currbox\@freelist
2203   {%
2204     \@tempcnta \sixt@@n
2205     \expandafter \@tfor \expandafter \reserved@a
2206       \expandafter :\expandafter =\@fps
2207     \do
2208     {%
2209       \if \reserved@a h%
2210         \ifodd \@tempcnta
2211         \else
2212           \advance \@tempcnta \@ne
2213         \fi
2214       \fi
2215       \if \reserved@a t%
2216         \@setfpsbit \tw@
2217       \fi
2218       \if \reserved@a b%
2219         \@setfpsbit 4%
2220       \fi
2221       \if \reserved@a p%
2222         \@setfpsbit 8%
2223       \fi
2224       \if \reserved@a !%
2225         \ifnum \@tempcnta>15
2226           \advance\@tempcnta -\sixt@@n\relax
2227         \fi
2228       \fi
2229     }%
2230     \@tempcntb \csname ftype@\@capttype \endcsname
2231     \multiply \@tempcntb \@xxxii
2232     \advance \@tempcnta \@tempcntb
2233     \global \count\@currbox \@tempcnta
2234   }%
2235   \@fltovf
2236 \fi
2237 \global \setbox\@currbox
2238   \color@vbox
2239   \normalcolor
2240   \vbox \bgroup
2241     \let\@footnotetext\@p@ftntext
2242     \let\@LTRfootnotetext\@p@LTRftntext
2243     \let\@RTLfootnotetext\@p@RTLftntext
2244     \let\@xfootnotenext\@p@xftntext
2245     \let\@xfootnote\@p@xfootnote
2246     \let\@xLTRfootnotenext\@p@xLTRftntext
2247     \let\@xLTRfootnote\@p@xLTRfootnote
2248     \let\@xRTLfootnotenext\@p@xRTLftntext

```



```

2249         \let\@xRTLfootnote\@xRTLfootnote
2250         \hsize\columnwidth
2251         \@parboxrestore
2252         \@floatboxreset
2253     }
2254 \def \@endfloatbox{%
2255     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2256     \@minipagefalse
2257     \outer@nobreak
2258     \egroup                %% end of vbox
2259     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2260     \color@endbox
2261 }

```

19 File `bidimoderncv.cls`

```

2262 \NeedsTeXFormat{LaTeX2e}
2263 \ProvidesClass{bidimoderncv}
2264 \newif\if@DEBUG\@DEBUGfalse
2265 \DeclareOption{a4paper}{
2266     \setlength\paperheight{297mm}
2267     \setlength\paperwidth{210mm}}
2268 \DeclareOption{a5paper}{
2269     \setlength\paperheight{210mm}
2270     \setlength\paperwidth{148mm}}
2271 \DeclareOption{b5paper}{
2272     \setlength\paperheight{250mm}
2273     \setlength\paperwidth{176mm}}
2274 \DeclareOption{letterpaper}{
2275     \setlength\paperheight{11in}
2276     \setlength\paperwidth{8.5in}}
2277 \DeclareOption{legalpaper}{
2278     \setlength\paperheight{14in}
2279     \setlength\paperwidth{8.5in}}
2280 \DeclareOption{executivepaper}{
2281     \setlength\paperheight{10.5in}
2282     \setlength\paperwidth{7.25in}}
2283 \DeclareOption{landscape}{
2284     \setlength\@tempdima{\paperheight}
2285     \setlength\paperheight{\paperwidth}
2286     \setlength\paperwidth{\@tempdima}}
2287 \newcommand\@ptsize{}
2288 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2289 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2290 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2291 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2292 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2293 \newif\if@colour\@colourtrue
2294 \DeclareOption{nocolour}{\@colourfalse}
2295 \ExecuteOptions{a4paper,11pt,colour,final}

```



```

2296 \ProcessOptions\relax
2297 \input{size1\@ptsize.clo}
2298 \RequirePackage{color}
2299 \RequirePackage{graphicx}
2300 \RequirePackage{ifthen}
2301 \RequirePackage{marvosym}
2302 \addtolength{\oddsidemargin}{-54pt}
2303 \addtolength{\textwidth}{109pt}
2304 \addtolength{\topmargin}{-70pt}
2305 \addtolength{\textheight}{122pt}
2306 \addtolength{\marginparsep}{-5pt}
2307 \addtolength{\marginparwidth}{-10pt}
2308 \RequirePackage{url}
2309 \RequirePackage{hyperref}
2310 \hypersetup{%
2311     breaklinks,
2312     baseurl      = http://,%
2313     pdfborder    = 0 0 0,%
2314     pdfpagemode  = UseNone,%
2315     pdfstartpage = 1}
2316 \AtEndOfClass{%
2317     \AtBeginDocument{%
2318         \hypersetup{%
2319             pdfauthor      = \@firstname~\@familyname,%
2320             pdftitle       = \@title,%
2321             pdfsubject     = \@firstname~\@familyname,%
2322             pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2323 \urlstyle{tt}
2324 \RequirePackage{fancyhdr}
2325 \fancypagestyle{plain}{%
2326     \renewcommand{\headrulewidth}{0pt}
2327     \renewcommand{\footrulewidth}{0pt}
2328     \fancyhf{}}
2329 \pagestyle{plain}
2330 \setlength\lineskip{1\p@}
2331 \setlength\normallineskip{1\p@}
2332 \renewcommand\baselinestretch{}
2333 \setlength{\parindent}{0pt}
2334 \setlength{\parskip}{0pt}
2335 \setlength\columnsep{10\p@}
2336 \setlength\columnseprule{0\p@}
2337 \pagestyle{empty}
2338 \pagenumbering{arabic}
2339 \raggedbottom
2340 \onecolumn
2341 \providecommand*\listitemssymbol{\textbullet}
2342 \providecommand*\addresssymbol{}
2343 \providecommand*\mobilesymbol{\Mobilefone}
2344 \providecommand*\phonesymbol{\Telefon}
2345 \providecommand*\faxsymbol{\FAX}

```



```

2346 \providecommand*{\emailsymbols}{\Letter}
2347 \definecolor{firstnamecolor}{rgb}{0,0,0}
2348 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2349 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2350 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2351 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2352 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2353 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2354 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2355 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2356 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2357 \providecommand*{\firstnamefont}{}
2358 \providecommand*{\familynamefont}{}
2359 \providecommand*{\titlefont}{}
2360 \providecommand*{\addressfont}{}
2361 \providecommand*{\quoteftfont}{}
2362 \providecommand*{\sectionfont}{}
2363 \providecommand*{\subsectionfont}{}
2364 \providecommand*{\hintfont}{\small}
2365 \providecommand*{\firstnamestyle}[1]{\{\@firstnamefont\@firstnamecolour#1}}
2366 \providecommand*{\familynamestyle}[1]{\{\@familynamefont\@familynamecolour#1}}
2367 \providecommand*{\titlestyle}[1]{\{\@titlefont\@titlecolour#1}}
2368 \providecommand*{\addresstyle}[1]{\{\@addressfont\@addresscolour#1}}
2369 \providecommand*{\quotestyle}[1]{\{\@quoteftfont\@quotecolour#1}}
2370 \providecommand*{\sectionstyle}[1]{\{\@sectionfont\@sectiontitlecolour#1}}
2371 \providecommand*{\subsectionstyle}[1]{\{\@subsectionfont\@subsectioncolour#1}}
2372 \providecommand*{\hintstyle}[1]{\{\@hintfont\@hintcolour#1}}
2373 \newcommand*{\cvtheme}[2]{}
2374 \def\@cvtheme#2{}
2375 \def\@cvthemeoptions#1{}
2376 \cvtheme{bidi-casual}
2377 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2378 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2379 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2380 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2381 \renewcommand*{\title}[1]{\def\@title{#1}}
2382 \newcommand*{\address}[1]{\def\@address{#1}}
2383 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2384 \newcommand*{\phone}[1]{\def\@phone{#1}}
2385 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2386 \newcommand*{\email}[1]{\def\@email{#1}}
2387 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2388 \def\@photowidth{0pt}
2389 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2390 \newcommand*{\quote}[1]{\def\@quote{#1}}
2391 \newlength{\quotewidth}
2392 \newlength{\hintscolumnwidth}
2393 \newlength{\separatorcolumnwidth}
2394 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2395 \newlength{\maincolumnwidth}

```



```

2396 \newlength{\doubleitemmaincolumnwidth}
2397 \newlength{\listitemsymbolwidth}
2398 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}~}
2399 \newlength{\listitemmaincolumnwidth}
2400 \newlength{\listdoubleitemmaincolumnwidth}
2401 \newcommand*{\recomputethemelengths}{%
2402 \newcommand*{\recomputelengths}{%
2403 \setlength{\quotewidth}{0.65\textwidth}%
2404 \setlength{\maincolumnwidth}{\textwidth}%
2405 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2406 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2407 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2408 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2409 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2410 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2411 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2412 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2413 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2414 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2415 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2416 \renewcommand{\headwidth}{\textwidth}%
2417 \recomputethemelengths}
2418 \setlength{\hintscolumnwidth}{0.15\textwidth}
2419 \recomputelengths
2420 \title{}
2421 \renewcommand*{\maketitle}{%
2422 \newcommand*{\section}[1]{%
2423 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2424 \phantomsection}%
2425 \addcontentsline{toc}{part}{#1}%
2426 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\sectionstyle{#1}}}%
2427 \hspace{\separatorcolumnwidth}%
2428 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2429 \newcommand*{\subsection}[1]{%
2430 \cvline[0.45em]{\subsectionstyle{#1}}}%
2431 \newcommand*{\cvline}[3][.25em]{%
2432 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{\hspace{\separatorcolumnwidth}}}%
2433 \bidi@raggedleft\hintfont{#2} &{#3}%
2434 \end{tabular}\[\[#1]}
2435 \newcommand*{\cvdoubleitem}[4]{%
2436 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2437 \hfill%
2438 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2439 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2440 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2441 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2442 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2443 \hfill%
2444 \ifthenelse{\equal{#3}{}}{}%
2445 {}%

```



```

2446 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}}
2447 \newcommand*{\cventry}[6]{%
2448   \cvline{#1}{%
2449     {\bfseries#2}%
2450     \ifx#3\else{, {\slshape#3}}\fi%
2451     \ifx#4\else{, #4}\fi%
2452     \ifx#5\else{, #5}\fi%
2453     .%
2454     \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2455   }%
2456 \newcommand*{\cvlanguage}[3]{%
2457   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\textbf{#3}\end{minipage}}
2458 \newcommand*{\cvcomputer}[4]{%
2459   \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2460 \newcommand*{\link}[2][{}]{%
2461   \ifthenelse{\equal{#1}{}}{%
2462     {\href{#2}{#2}}%
2463     {\href{#2}{#1}}}
2464 \newcommand*{\httplink}[2][{}]{%
2465   \ifthenelse{\equal{#1}{}}{%
2466     {\href{http://#2}{#2}}%
2467     {\href{http://#2}{#1}}}
2468 \newcommand*{\emailink}[2][{}]{%
2469   \ifthenelse{\equal{#1}{}}{%
2470     {\href{mailto:#2}{#2}}%
2471     {\href{mailto:#2}{#1}}}
2472 \newif\if@displaypagenumbers\@displaypagenumberstrue
2473 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2474 \AtBeginDocument{%
2475   \if@displaypagenumbers%
2476     \@ifundefined{r@lastpage}{\fi}{%
2477       \ifthenelse{\pageref{lastpage} > 1}{%
2478         \fancypagestyle{plain}{%
2479           \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\pagesuffix}%
2480         \pagestyle{plain}}}%
2481   \AtEndDocument{\label{lastpage}}%
2482   \fi}
2483 \newlength{\bibindent}
2484 \setlength{\bibindent}{1.5em}
2485 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2486 \newenvironment{thebibliography}[1]{%
2487   {%
2488     \section{\refname}%
2489     \small%
2490     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2491     \bidi@thebibliography@font@hook%
2492     \begin{list}{\bibliographyitemlabel}%
2493       {%
2494         \setlength{\topsep}{0pt}%
2495         \setlength{\labelwidth}{\hintscolumnwidth}%

```



```

2496 \setlength{\labelsep}{\separatorcolumnwidth}%
2497 \leftmargin\labelwidth%
2498 \advance\leftmargin\labelsep%
2499 \@openbib@code%
2500 \usecounter{enumiv}%
2501 \let\p@enumiv\@empty%
2502 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2503 \sloppy\clubpenalty4000\widowpenalty4000%
2504 }%
2505 {%
2506 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2507 \end{list}%
2508 }
2509 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2510 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2511 \NeedsTeXFormat{LaTeX2e}
2512 \ProvidesPackage{biditools}[2018/02/22 v1.4 Programming tools for bidi package]
2513 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2514 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2515 \ifx\@tempa\@tempb \global\let#2#1%
2516 \else
2517 \edef\@tempb{\meaning#2}%
2518 \ifx\@tempa\@tempb
2519 \else
2520 \@latex@error{Unable to properly define \string#2; primitive
2521 \noexpand#1no longer primitive}\@eha
2522 \fi
2523 \fi
2524 \endgroup}
2525 \newtoks\@bidi@envbody
2526 \newtoks\@bidi@emptytoks
2527 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2528 \def\bidi@collect@body#1{%
2529 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2530 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2531 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2532 \begingroup
2533 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2534 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2535 \bidi@process@envbody
2536 }
2537 \def\bidi@push@begins#1\begin#2{%
2538 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2539 }
2540 \def\bidi@collect@@body#1\end#2{%
2541 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2542 \ifx\@empty\begin@bidi@stack

```




```

2543 \endgroup
2544 \@checkend{#2}%
2545 \bidi@addto@envbody{#1}%
2546 \else
2547 \bidi@addto@envbody{#1\end{#2}}%
2548 \fi
2549 \bidi@process@envbody % A little tricky! Note the grouping
2550 }
2551 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2552 \long\def\bidi@collect@long@body#1{%
2553 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2554 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2555 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2556 \begingroup
2557 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2558 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2559 \bidi@process@envbody
2560 }
2561 \long\def\bidi@push@long@begins#1\begin#2{%
2562 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2563 }
2564 \long\def\bidi@collect@long@@body#1\end#2{%
2565 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
2566 \ifx\@empty\begin@bidi@stack
2567 \endgroup
2568 \@checkend{#2}%
2569 \bidi@addto@long@envbody{#1}%
2570 \else
2571 \bidi@addto@long@envbody{#1\end{#2}}%
2572 \fi
2573 \bidi@process@envbody % A little tricky! Note the grouping
2574 }
2575 \long\def\bidi@new@ifnextchar#1#2#3{%
2576 \let\reserved@d= #1%
2577 \def\reserved@a{#2}\def\reserved@b{#3}%
2578 \futurelet\@let@token\bidi@new@ifnch
2579 }
2580 \def\bidi@new@ifnch{%
2581 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2582 \reserved@b
2583 }
2584 \def\bidi@matrix@check#1{%
2585 \expandafter\ifx\csname\@currenvir\endcsname#1%
2586 \else\bidi@matrix@error#1%
2587 \expandafter\@gobble
2588 \fi
2589 }
2590 \def\bidi@matrix@error#1{%
2591 \PackageError{biditools}{%
2592 Old form "\string#1" should be \string\begin{\expandafter\@gobble\string#1}%

```



```

2593 }{%
2594 \string#1{...}' is old bidi package syntax whose use is
2595 ill-advised in the old versions of bidi package.%
2596 }%
2597 }
2598 \def\@tagsextension{clo}
2599 \def\@definitionfileextension{def}
2600 \def\@texfileextension{tex}
2601 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2602 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2603 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2604 \def\eqnewif#1#2{%
2605   \count@\escapechar \escapechar\m@ne
2606   \let#1\iffalse
2607   \let#2\iffalse
2608   \eq@if#1#2\iftrue
2609   \eq@if#1#2\iffalse
2610   \escapechar\count@}
2611 \def\eq@if#1#2#3{%
2612   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2613     \expandafter\@gobbletwo\string#3\endcsname
2614     {\let#1#3%
2615      \let#2#3}%
2616   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2617     \expandafter\@gobbletwo\string#3\endcsname
2618     {\let#2#3%
2619      \let#1#3}}
2620 \newcommand*\SetBoolean[2]{%
2621   \lowercase{\def\@tempa{#2}}%
2622   \@ifundefined{@tempwa\@tempa}%
2623   {\PackageError{biditools}%
2624    {You can only set a boolean to `true' or `false'}\@ehc}%
2625   {\@ifundefined{#1\@tempa}%
2626    {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2627    {\csname#1\@tempa\endcsname}}}
2628 \newcommand*\GlobalSetBoolean[2]{%
2629   \lowercase{\def\@tempa{#2}}%
2630   \@ifundefined{@tempwa\@tempa}%
2631   {\PackageError{biditools}%
2632    {You can only set a boolean to `true' or `false'}\@ehc}%
2633   {\@ifundefined{#1\@tempa}%
2634    {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2635    {\global\csname#1\@tempa\endcsname}}}
2636 \newcommand*\SetatBoolean[2]{%
2637   \lowercase{\def\@tempa{#2}}%
2638   \@ifundefined{@tempwa\@tempa}%
2639   {\PackageError{biditools}%
2640    {You can only set a boolean to `true' or `false'}\@ehc}%
2641   {\@ifundefined{@#1\@tempa}%
2642    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%

```



```

2643     {\csname @#1\@tempa\endcsname}}
2644 \newcommand*{\GlobalSetatBoolean}[2]{%
2645   \lowercase{\def\@tempa{#2}}%
2646   \ifundefined{\@tempa\@tempa}%
2647     {\PackageError{biditools}%
2648      {You can only set a boolean to `true' or `false'}\@ehc}%
2649   {\ifundefined{\@#1\@tempa}%
2650    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2651    {\global\csname @#1\@tempa\endcsname}}}
2652 \def\@bidi@removefromreset#1#2{%
2653   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2654   \def\@elt##1{%
2655     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2656     \else
2657       \noexpand\@elt{##1}%
2658     \fi}%
2659   \expandafter\xdef\csname cl@#2\endcsname{%
2660     \csname cl@#2\endcsname}}
2661 \newcommand*{\ifRtoL}{%
2662   \if@RTL
2663     \expandafter\@firstoftwo
2664   \else
2665     \expandafter\@secondoftwo
2666   \fi}
2667 \newcommand*{\ifLtoR}{%
2668   \if@RTL
2669     \expandafter\@secondoftwo
2670   \else
2671     \expandafter\@firstoftwo
2672   \fi}
2673 \newcommand*{\ifRtoLtable}{%
2674   \if@RTLtab
2675     \expandafter\@firstoftwo
2676   \else
2677     \expandafter\@secondoftwo
2678   \fi}
2679 \newcommand*{\ifLtoRtable}{%
2680   \if@RTLtab
2681     \expandafter\@secondoftwo
2682   \else
2683     \expandafter\@firstoftwo
2684   \fi}
2685 \newcommand*{\ifRtoLhboxconstruct}{%
2686   \if@hboxRconstruct
2687     \expandafter\@firstoftwo
2688   \else
2689     \expandafter\@secondoftwo
2690   \fi}
2691 \newcommand*{\ifLtoRhboxconstruct}{%
2692   \if@hboxRconstruct

```



```

2693 \expandafter\@secondoftwo
2694 \else
2695 \expandafter\@firstoftwo
2696 \fi}
2697 \newcommand*{\iflatin}{%
2698 \if@nonlatin
2699 \expandafter\@secondoftwo
2700 \else
2701 \expandafter\@firstoftwo
2702 \fi}
2703 \newcommand*{\ifnonlatin}{%
2704 \if@nonlatin
2705 \expandafter\@firstoftwo
2706 \else
2707 \expandafter\@secondoftwo
2708 \fi}
2709
2710 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2711 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2712
2713 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2714 \dimexpr #1*65536/\dimexpr 1pt\relax}
2715
2716 \newcommand*{\if@bidi@csdef}[1]{%
2717 \ifcsname#1\endcsname
2718 \expandafter\@firstoftwo
2719 \else
2720 \expandafter\@secondoftwo
2721 \fi}
2722 \newcommand*{\if@bidi@csundef}[1]{%
2723 \ifcsname#1\endcsname
2724 \expandafter\ifx\csname#1\endcsname\relax
2725 \expandafter\expandafter
2726 \expandafter\@firstoftwo
2727 \else
2728 \expandafter\expandafter
2729 \expandafter\@secondoftwo
2730 \fi
2731 \else
2732 \expandafter\@firstoftwo
2733 \fi}
2734 \newcommand{\if@bidi@def}[1]{%
2735 \ifdefined#1%
2736 \expandafter\@firstoftwo
2737 \else
2738 \expandafter\@secondoftwo
2739 \fi}
2740 \newcommand{\if@bidi@undef}[1]{%
2741 \ifdefined#1%
2742 \ifx#1\relax

```



```

2743     \expandafter\expandafter
2744     \expandafter\@firstoftwo
2745     \else
2746     \expandafter\expandafter
2747     \expandafter\@secondoftwo
2748     \fi
2749 \else
2750     \expandafter\@firstoftwo
2751 \fi}
2752 \newcommand{\if@bidi@blank}[1]{% from url.sty
2753     \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2754 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2755 \newcommand{\bidi@notblank}[1]{%
2756     \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2757 \newcommand{\if@bidi@defmacro}{%
2758 \long\edef\if@bidi@defmacro#1{%
2759     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2760     \noexpand\meaning#1\detokenize{macro}:&}
2761 \edef\bidi@ifdefmacro{%
2762     \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2763     \bidi@ifdefmacro{\bidi@notblank{#2}}
2764 \newcommand*{\if@bidi@csmacro}[1]{%
2765     \if@bidi@csdef{#1}
2766     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2767     {\@secondoftwo}}
2768 \newcommand{\if@bidi@defprimitive}[1]{%
2769     \ifprimitive#1%
2770     \expandafter\@firstoftwo
2771 \else
2772     \expandafter\@secondoftwo
2773 \fi}
2774 \newcommand{\if@bidi@csprimitive}[1]{%
2775     \begingroup\expandafter\expandafter\expandafter\endgroup%
2776     \expandafter\ifprimitive\csname#1\endcsname%
2777     \expandafter\@firstoftwo
2778 \else
2779     \expandafter\@secondoftwo
2780 \fi}
2781 \newcommand*{\bidi@csdefcs}[2]{%
2782 \expandafter\@ifdefinable \csname#1\endcsname{%
2783 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2784 \newcommand*{\bidi@csletcs}[2]{%
2785 \expandafter\@ifdefinable \csname#1\endcsname{%
2786 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2787 \newcommand*{\bidi@cslet}[2]{%
2788 \expandafter\@ifdefinable \csname#1\endcsname{%
2789 \expandafter\let\csname#1\endcsname#2}}
2790 \newcommand{\bidi@namelongdef}[1]{%
2791     \long\expandafter\def\csname #1\endcsname}
2792 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}

```



```

2793 \def\bidienure@new@command#1{%
2794   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2795   \expandafter\if@bidi@csundef\@gtempa
2796     {\new@command#1}{\relax%
2797     \let\@ifdefinable\@rc@ifdefinable%
2798     \new@command#1}}
2799 \def\bidienure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2800
2801 \protected\def\bidienure@error{\PackageError{bidi}}
2802 \protected\def\bidienure@warning{\PackageWarning{bidi}}
2803 \protected\def\bidienure@info{\PackageInfo{bidi}}
2804
2805
2806 \newcommand*{\setbaselineskip}[1]{%
2807   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2808   \selectfont
2809 }
2810
2811
2812 \newcommand*{\bidienure@newrobustcmd}{%
2813 \protected\def\bidienure@newrobustcmd{\@star@or@long\bidienure@new@command}
2814
2815 \def\bidienure@new@command#1{\@testopt{\bidienure@new@command#1}0}
2816
2817 \def\bidienure@new@command#1[#2]{%
2818   \@ifnextchar[%
2819     {\bidienure@xargdef#1[#2]}
2820     {\ifx\l@ngrel@x\relax
2821       \let\l@ngrel@x\protected
2822       \else
2823       \protected\def\l@ngrel@x{\protected\long}%
2824       \fi
2825       \@argdef#1[#2]}}
2826
2827 \long\def\bidienure@xargdef#1[#2][#3]#4{%
2828   \@ifdefinable#1{%
2829     \expandafter\protected
2830     \expandafter\def
2831     \expandafter#1%
2832     \expandafter{%
2833       \expandafter\@testopt
2834       \csname\string#1\endcsname{#3}}%
2835     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2836
2837 \bidienure@newrobustcmd*{\bidienure@renewrobustcmd}{\@star@or@long\bidienure@renew@command}
2838
2839 \def\bidienure@renew@command#1{%
2840   \if@bidi@undef{#1}
2841     {\bidienure@error{\string#1 undefined}\@ehc}
2842     {}%

```



```

2843 \let\@ifdefinable\@rc@ifdefinable
2844 \bidi@new@command#1}
2845
2846
2847
2848 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2849
2850 \def\bidi@provide@command#1{%
2851   \if@bidi@undef{#1}
2852     {\def\reserved@a{\bidi@new@command#1}}
2853     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2854   \reserved@a}
2855
2856 \newcommand*{\bidi@csuse}[1]{%
2857   \ifcsname#1\endcsname
2858     \csname#1\expandafter\endcsname
2859   \fi}
2860
2861 \newcommand{\bidi@expandonce}[1]{%
2862   \unexpanded\expandafter{#1}}
2863
2864 \def\bidi@protected{%
2865   \let\@@protect\protect
2866   \let\protect\@unexpandable@protect
2867   \afterassignment\restore@protect}
2868
2869 \bidi@newrobustcmd{\bidi@appto}[2]{%
2870   \if@bidi@undef{#1}
2871     {\edef#1{\unexpanded{#2}}}
2872     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2873 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2874   \if@bidi@undef{#1}
2875     {\edef#1{#2}}
2876     {\edef#1{\bidi@expandonce#1#2}}}}
2877 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2878   \if@bidi@undef{#1}
2879     {\xdef#1{\unexpanded{#2}}}
2880     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2881 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2882   \if@bidi@undef{#1}
2883     {\xdef#1{#2}}
2884     {\xdef#1{\bidi@expandonce#1#2}}}}
2885
2886 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2887 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2888
2889
2890
2891 \bidi@newrobustcmd{\bidi@preto}[2]{%
2892   \if@bidi@undef{#1}

```



```

2893 {\edef#1{\unexpanded{#2}}}
2894 {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2895 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2896 \if@bidi@undef{#1}
2897 {\edef#1{#2}}
2898 {\edef#1{#2\bidi@expandonce#1}}}
2899 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2900 \if@bidi@undef{#1}
2901 {\xdef#1{\unexpanded{#2}}}
2902 {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2903 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2904 \if@bidi@undef{#1}
2905 {\xdef#1{#2}}
2906 {\xdef#1{#2\bidi@expandonce#1}}}
2907
2908 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2909 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2910
2911
2912
2913 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2914 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2915 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2916 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2917 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2918 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2919
2920
2921
2922 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2923 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2924 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2925 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2926 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2927 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2928
2929
2930
2931 \bidi@newrobustcmd{\if@bidi@patchable}{%
2932 \bidi@dbg@trce\if@bidi@patchable
2933 \begingroup
2934 \@makeother\#%
2935 \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2936
2937 \long\def\bidi@ifpatchable#1#2{%
2938 \endgroup
2939 \bidi@dbg@init#1%
2940 \if@bidi@undef{#1}
2941 {\bidi@dbg@fail{def}\@secondoftwo}
2942 {\bidi@dbg@info{def}%

```




```

2943 \if@bidi@defmacro{#1}
2944 {\bidi@dbg@info{mac}%
2945 \bidi@ifscanable{#1}
2946 {\bidi@ifhashcheck{#2}
2947 {\bidi@dbg@info{tok}%
2948 \bidi@ifpattern#1{#2}
2949 {\bidi@dbg@info{pat}%
2950 \bidi@dbg@info{pos}\@firstoftwo}
2951 {\bidi@dbg@fail{pat}\@secondoftwo}}
2952 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2953 {\bidi@dbg@fail{tok}\@secondoftwo}}
2954 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2955
2956 \long\def\bidi@ifpatchable@i#1{%
2957 \endgroup
2958 \bidi@dbg@init#1%
2959 \if@bidi@undef{#1}
2960 {\bidi@dbg@fail{def}\@secondoftwo}
2961 {\bidi@dbg@info{def}%
2962 \if@bidi@defmacro{#1}
2963 {\bidi@dbg@info{mac}%
2964 \if@bidi@defparam{#1}
2965 {\bidi@dbg@info{prm}%
2966 \bidi@ifscanable{#1}
2967 {\bidi@dbg@info{tok}%
2968 \bidi@dbg@info{pos}\@firstoftwo}
2969 {\bidi@dbg@fail{tok}\@secondoftwo}}
2970 {\bidi@dbg@info{prl}%
2971 \if@bidi@defprotected{#1}
2972 {\bidi@dbg@info{pro}}
2973 {}%
2974 \bidi@dbg@info{pos}\@firstoftwo}}
2975 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2976
2977 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2978 \bidi@dbg@trce\bidi@patchcmd
2979 \begingroup
2980 \@makeother\#%
2981 \bidi@@patchcmd}
2982
2983 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2984 \bidi@ifpatchable#2{#3}
2985 {\bidi@dbg@succ{ret}%
2986 \begingroup
2987 \edef\bidi@resrvda{%
2988 \def\noexpand\bidi@resrvda#####1\detokenize{macro:}####2->####3&{%
2989 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2990 \def\noexpand\bidi@resrvdb#####1\detokenize{#3}####2&{%
2991 #####1\detokenize{#4}####2}%
2992 \edef\noexpand\bidi@resrvda{%

```



```

2993         \noexpand\bidi@resrvda\meaning#2&}}%
2994     \bidi@resrvda
2995     \bidi@patchcmd@scantoks\bidi@resrvda
2996     \let#2\bidi@resrvda
2997     \bidi@undef\bidi@resrvda
2998     \@firstoftwo}
2999     {\@secondoftwo}}
3000
3001 \def\bidi@patchcmd@scantoks#1{%
3002     \edef\bidi@resrvda{\endgroup
3003         \unexpanded{\makeatletter\scantokens}{#1}%
3004         \catcode\number`\@=\the\catcode`\@ \relax}%
3005     \bidi@resrvda}
3006
3007 \newcommand\bidi@isloaded[2][]{
3008     \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3009         \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3010         \fi
3011     \@ifpackageloaded{#2}
3012     {\csname @bidi@#2loaded@true\endcsname #1}
3013     {\csname @bidi@#2loaded@false\endcsname}}
3014
3015 \protected\def\bidi@ifscanable#1{%
3016     \begingroup
3017     \edef\bidi@resrvda{%
3018         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3019             ####1\def\string\bidi@resrvda####2{####3}}}%
3020     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3021     \bidi@resrvda
3022     \makeatletter
3023     \scantokens\expandafter{\bidi@resrvda}%
3024     \expandafter\endgroup\ifx#1\bidi@resrvda
3025         \expandafter\@firstoftwo
3026     \else
3027         \expandafter\@secondoftwo
3028     \fi}
3029
3030
3031 \protected\long\def\bidi@ifhashcheck#1{%
3032     \begingroup
3033     \edef\bidi@resrvda{\detokenize{#1}}%
3034     \expandafter\endgroup
3035     \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3036
3037 \edef\bidi@ifhashcheck@i#1&{%
3038     \noexpand\expandafter
3039     \noexpand\bidi@ifhashcheck@ii
3040     \noexpand\strip@prefix#1\string#\string#&}
3041
3042 \edef\bidi@ifhashcheck@ii{%

```



```

3043 \def\noexpand\bidifhashcheck@ii##1\string#\string###2&}
3044 \bidifhashcheck@ii{\if@bidi@blank{#2}}
3045
3046
3047 \protected\long\def\bidifpattern#1#2{%
3048 \begingroup
3049 \edef\bidiresrvda{%
3050 \def\noexpand\bidiresrvda####1\detokenize{#2}####2&{%
3051 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3052 \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
3053 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3054 \noexpand\bidiresrvda}
3055 \bidiresrvda\@secondoftwo\@firstoftwo}
3056
3057
3058 \newcommand{\if@bidi@defparam}{%
3059 \long\edef\if@bidi@defparam#1{%
3060 \noexpand\expandafter\noexpand\bidifdefparam
3061 \noexpand\meaning#1\detokenize{macro}:->&}
3062 \edef\bidifdefparam{%
3063 \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
3064 \bidifdefparam{\bidinotblank{#2}}
3065
3066
3067 \newcommand{\if@bidi@defprotected}{%
3068 \long\edef\if@bidi@defprotected#1{%
3069 \noexpand\expandafter\noexpand\bidifdefprotected
3070 \noexpand\meaning#1\string\protected&}
3071 \edef\bidifdefprotected{%
3072 \def\noexpand\bidifdefprotected##1\string\protected##2&}
3073 \bidifdefprotected{\bidinotblank{#2}}
3074
3075
3076 \bidinewrobustcmd{\bidiundef}[1]{\let#1\bidiundefined}
3077
3078 \let\bididbg@trce\@gobble
3079 \let\bididbg@init\@gobble
3080 \let\bididbg@info\@gobble
3081 \let\bididbg@succ\@gobble
3082 \let\bididbg@fail\@gobble
3083
3084
3085
3086 \bidinewrobustcmd*{\bidiapptocmd}{%
3087 \bididbg@trce\bidiapptocmd
3088 \begingroup
3089 \@makeother\#%
3090 \bidihooktocmd\bidiaappend}
3091
3092

```



```

3093
3094 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3095   \bidi@dbg@trce\bidi@pretocmd
3096   \begingroup
3097   \@makeoother\#%
3098   \bidi@hooktocmd\bidi@prepend}
3099
3100 \long\def\bidi@hooktocmd#1#2#3{%
3101   \endgroup
3102   \bidi@dbg@init#2%
3103   \if\bidi@undef{#2}
3104     {\bidi@dbg@fail{def}\@secondoftwo}
3105     {\bidi@dbg@info{def}%
3106       \if\bidi@defmacro{#2}
3107         {\bidi@dbg@info{mac}%
3108           \if\bidi@defparam{#2}
3109             {\bidi@dbg@info{prm}%
3110               \bidi@ifscanable{#2}
3111                 {\bidi@ifhashcheck{#3}
3112                   {\bidi@dbg@info{tok}%
3113                     \bidi@dbg@succ{ret}%
3114                     \bidi@hooktocmd@i#1#2{#3}%
3115                     \@firstoftwo}
3116                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
3117                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3118             {\bidi@dbg@info{prl}%
3119               \if\bidi@defprotected{#2}
3120                 {\bidi@dbg@info{pro}%
3121                   \bidi@dbg@succ{red}%
3122                   \protected}
3123                 {\bidi@dbg@succ{red}}}%
3124             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3125             \@firstoftwo}}
3126     {\bidi@dbg@fail{mac}\@secondoftwo}}
3127
3128 \long\def\bidi@hooktocmd@i#1#2#3{%
3129   \begingroup
3130   \edef\bidi@resrvda{%
3131     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3132       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
3133     \edef\noexpand\bidi@resrvda{%
3134       \noexpand\bidi@resrvda\meaning#2&}}%
3135   \bidi@resrvda
3136   \bidi@patchcmd@scantoks\bidi@resrvda
3137   \let#2\bidi@resrvda
3138   \bidi@undef\bidi@resrvda}
3139
3140 \long\def\bidi@append#1#2{#1#2}
3141 \long\def\bidi@prepend#1#2{#2#1}
3142

```



```

3143 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3144 \newcommand*{\bidi@endpreamblehook}{}
3145
3146 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3147 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3148
3149 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3150 \newcommand*{\bidi@beforeheaderhook}{}
3151
3152 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3153 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3154
3155 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3156 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3157
3158 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3159 \newcommand*{\bidi@beforefooterhook}{}
3160
3161 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3162 \newcommand*{\bidi@afterfooterhook}{}
3163
3164
3165 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3166 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3167
3168 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3169 \newcommand*{\bidi@atendoutputpagehook}{}
3170
3171 \bidi@preto\document{%
3172   \endgroup
3173   \let\bidi@AtEndPreamble\@firstofone
3174   \bidi@endpreamblehook
3175   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3176   \bidi@undef\bidi@endpreamblehook
3177   \begingroup}
3178
3179 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3180 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3181
3182 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3183 \newcommand*{\bidi@afterendpreamblehook}{}
3184
3185 \bidi@appto\document{%
3186   \let\bidi@AfterEndPreamble\@firstofone
3187   \bidi@afterendpreamblehook
3188   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3189   \bidi@undef\bidi@afterendpreamblehook
3190   \ignorespaces}
3191
3192 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}

```



```

3193
3194 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3195 \newcommand*{\bidi@afterlastshipouthook}{\}
3196
3197 \bidi@patchcmd\enddocument
3198 {\clearpage}
3199 {\clearpage
3200 \let\bidi@AfterLastShipout\@firstofone
3201 \bidi@afterlastshipouthook}
3202 {}
3203 {\let\bidi@clearpage\clearpage
3204 \def\clearpage{%
3205 \bidi@clearpage
3206 \let\bidi@AfterLastShipout\@firstofone
3207 \bidi@afterlastshipouthook}}
3208
3209 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3210 \newcommand*{\bidi@afterenddocumenthook}{\}
3211
3212 \bidi@patchcmd\enddocument
3213 {\deadcycles}
3214 {\let\bidi@AfterEndDocument\@firstofone
3215 \bidi@afterenddocumenthook
3216 \deadcycles}
3217 {}
3218 {\let\bidi@@end@@end
3219 \def@@end{%
3220 \let\bidi@AfterEndDocument\@firstofone
3221 \bidi@afterenddocumenthook
3222 \bidi@@end}}
3223
3224 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3225 \bidi@csgappto{\bidi@begin@#1@hook}}
3226
3227 \bidi@patchcmd\begin
3228 {\csname #1\endcsname}
3229 {\bidi@csuse{\bidi@begin@#1@hook}%
3230 \csname #1\endcsname}
3231 {}
3232 {\bidi@warning{%
3233 Patching '\string\begin' failed!\MessageBreak
3234 '\string\bidi@AtBeginEnvironment' will not work\gobble}}
3235
3236
3237
3238 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3239 \bidi@csgappto{\bidi@end@#1@hook}}
3240
3241 \bidi@patchcmd\end
3242 {\csname end#1\endcsname}

```



```

3243 {\bidi@csuse{@bidi@end@#1@hook}%
3244 \csname end#1\endcsname}
3245 {}
3246 {\bidi@warning{%
3247   Patching '\string\end' failed!\MessageBreak
3248   '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3249
3250
3251
3252 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3253   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3254
3255 \bidi@pretocmd\begin
3256   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3257   {}
3258   {\bidi@warning{%
3259     Patching '\string\begin' failed!\MessageBreak
3260     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3261
3262
3263
3264 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3265   \bidi@csgappto{@bidi@afterend@#1@hook}}
3266
3267 \bidi@patchcmd\end
3268   {\if@ignore}
3269   {\bidi@csuse{@bidi@afterend@#1@hook}%
3270    \if@ignore}
3271   {}
3272   {\bidi@warning{%
3273     Patching '\string\end' failed!\MessageBreak
3274     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3275
3276 \chardef\bidi@backslash`\\
3277 \def\bidi@#1{\texttt{\char\bidi@backslash#1}}
3278
3279 % anonymous control sequences
3280 \newcount\bidi@tempcountb
3281 \newtoks\bidi@temptoksa
3282 \newtoks\bidi@temptoksb
3283
3284 % Catcode (re)storing
3285 %
3286 \def\bidi@storecatcode#1%
3287   {\escapechar\m@ne
3288    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3289    {\catcode`\string#1=
3290     \the\catcode\expandafter`\string#1}%
3291    \catcode\expandafter`\string#1=12\relax
3292    \escapechar`\\relax}

```



```

3293 \def\bidirestorecatcode#1%
3294   {\escapechar\m@ne
3295    \csname bidi@restorecatcode\string#1\endcsname
3296    \escapechar`\\relax}
3297
3298 % Construct a control sequence inside \edef
3299 %
3300 \def\bidicsname#1{\expandafter\noexpand\csname#1\endcsname}
3301
3302 % Construct a control sequence out of #2, and give it to #1
3303 %
3304 \def\bidicsarg#1#2{\expandafter#1\csname#2\endcsname}
3305
3306 % Pick an escapecharacter
3307 % this presumes that its argument is a character.
3308 %
3309 \def\bidipickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3310
3311 % Equality of strings.
3312 % the fast approach: does not work in expansion-only environment.
3313 %
3314 \def\bidiequalstring#1#2{00\fi\def\bidieqs@a{#1}\def\bidieqs@b{#2}%
3315   \ifx\bidieqs@a\bidieqs@b}
3316
3317 % Test by expansion only
3318 %
3319 \def\bidiequalstringx#1#2{00\fi
3320   \csname if\@bidiequalstringx#1&#2&\endcsname}
3321 \def\@bidiequalstringx#1#2$#3#4$ {\ifx#1#3%
3322   \ifx#1&true\else\bidihop@ES\@bidiequalstringx#2$#4$\fi
3323   \else false\fi}
3324 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3325
3326 % Lexicographic ordering
3327 % note the use of \def
3328 % also note the characters 0,127,255 that are used,
3329 % these are not supposed to appear in the strings
3330 %
3331 {\catcode0=12 \catcode255=12 \catcode127=12
3332 \gdef\bidistringbeforenc#1#2{00\fi
3333   \bidicharsbefore#1^^@^^?#2^^ff^^?}
3334 \gdef\bidicharsbeforenc#1#2^^?#3#4^^?{%
3335   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3336   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3337   \else\ifnum\lccode`#1<\lccode`#3
3338     \def\bidinext{\csname iftrue\endcsname}%
3339   \else\ifnum\lccode`#1>\lccode`#3
3340     \def\bidinext{\csname iffalse\endcsname}%
3341   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3342   \fi \fi \fi \fi

```




```

3343 \bidi@next}
3344 \gdef\bidi@StringBefore#1#2{00\fi
3345 \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
3346 \gdef\bidi@CharsBefore#1#2^^?#3#4^^?{%
3347 \ifnum`#1<`#3
3348 \def\bidi@next{\csname iftrue\endcsname}%
3349 \else\ifnum`#1>`#3
3350 \def\bidi@next{\csname iffalse\endcsname}%
3351 \else\def\bidi@next{\bidi@CharsBefore#2^^?#4^^?}%
3352 \fi\fi
3353 \bidi@next}
3354 }
3355
3356 % Null argument test
3357 %
3358 \def\bidi@empty{}
3359 \def\bidi@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@@null}
3360 \def\bidi@ifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidi@@null}
3361 %\def\bidi@ifempty#1{\def\bidi@cs@a{#1}\ifx\bidi@cs@a\bidi@empty}
3362 \def\bidi@IsEmptyList#1{00\fi\def\bidi@cs@a{#1}\ifx\cs@a\bidi@empty}
3363
3364 % Next character test
3365 %
3366 \def\bidi@NextChar#1#2#3{00\fi
3367 \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
3368 \futurelet\bidi@nxt@c\@bidi@ifnxtc}
3369 \def\bidi@ifNextChar#1#2#3{%
3370 \let\bidi@nxt@ch#1\def\bidi@nxt@a{#2}\def\bidi@nxt@b{#3}%
3371 \futurelet\bidi@nxt@c\@bidi@ifnxtc}
3372 \def\@bidi@ifnxtc{\ifx\bidi@nxt@ch\bidi@nxt@c \expandafter\bidi@nxt@a
3373 \else \expandafter\bidi@nxt@b \fi}
3374
3375 % Test for defined-ness of string as control sequence.
3376 % works inside \edef
3377 %
3378 \def\bidi@undefinedcs#1{00\fi\bidi@csarg\ifx{#1}\relax}
3379
3380 % Define uniquely defined dummy macros,
3381 % usually to serve as bumper blocks at the end of a list
3382 %
3383 \newcount\bidi@dummies
3384 \def\DefNewDummy#1{
3385 \if\bidi@undefinedcs{#1}\bidi@csarg\edef{#1}{bidi@dum\the\bidi@dummies}
3386 \advance\bidi@dummies\@ne
3387 \else
3388 \bidi@error{Attempt at second definition of `#1'}
3389 \fi}
3390
3391 % string case statement
3392 % use: \bidi@switch \iftest{...} in:

```



```

3393%      item1 action1
3394%      ...
3395%      itemn actionn
3396%      default defaultaction [optional]
3397%      \endbidi@switch
3398% inspired by Jonathan Fine: Some Basic Control Macros
3399% Tugboat 12 #4
3400%
3401\let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{bidi@default}
3402\def\bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
3403\def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3404  #1{#2}\bidi@switch@exit #3 \@bidi@fi
3405  \bidi@switch {#1}
3406}
3407% this version puts the test object in {}
3408\def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3409  #1{#2}\bidi@switch@exit #3 \@bidi@fi
3410  \bidi@switch #1 in:
3411}
3412% this version assumes that the test object is just one character
3413\def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3414  #1#2\bidi@switch@exit #3 \@bidi@fi
3415  \bidi@cswitch #1 in:
3416}
3417% this version assumes that the test object can have an optional space
3418\def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3419  #1#2 \bidi@switch@exit #3 \@bidi@fi
3420  \bidi@bswitch #1 in:
3421}
3422% this version can cope with significant spaces at the start of #3;
3423% #2 is macro argument
3424\def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3425  #1{#2}\bidi@switch@exit #3 \@bidi@fi
3426  \bidi@mswitch #1 in:
3427}
3428% idem; #2 does not have to be enclosed in braces
3429\def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3430  #1#2 \bidi@switch@exit #3 \@bidi@fi
3431  \bidi@fswitch #1 in:
3432}
3433
3434% Routines for taking the value of a string:
3435% if the string is defined as control sequence
3436% take the value of that, otherwise take the string itself
3437
3438% String or value of control sequence
3439%
3440\def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3441
3442% String or control sequence

```



```

3443 %
3444 \def\@bidi@ww#1{\if\@bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3445
3446 % String or \noexpand-ed control sequence;
3447 % for use in \edef
3448 %
3449 \newif\ifbidi@in@label
3450 \def\@bidi@w@w#1{\if\@bidi@undefinedcs{#1}#1\else
3451     \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3452 \newtoks\bidi@are@these@correct
3453 \def\bidi@t@w@w#1{%
3454     \if\@bidi@undefinedcs{#1}#1%
3455     \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1} \fi
3456     \else
3457     \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3458
3459 % List Manipulation .....
3460 % this assumes that #1 is a list of tokens, #2 is the name of a list
3461 %
3462 % Names of lists (and of items to pop into) are given as strings;
3463 % not as control sequences.
3464 %
3465 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3466 % basic append/prepend macro
3467 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3468     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\bidi@toks@lista}
3469 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3470     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
3471 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslist}
3472 % variations:
3473 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3474 \def\bidi@append@list@to@list#1#2{%
3475     \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
3476 \def\bidi@append@cslist@to@cslist#1#2{%
3477     \@bidi@append@to@cslist{#1}\expandafter{\the#2}}
3478 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3479
3480 \let\bidi@willbeunhskip\unhskip
3481
3482 % A few list macros for the user
3483 \def\NewList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3484 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3485 \long\def\AppendToList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3486 \def\TheList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
3487     \if\@bidi@undefinedcs{#1}\bidi@error{List <#1> undefined}
3488     \else\bidi@csarg\the{#1}\fi
3489     \let\bidi@willbeunhskip\bidi@oldwbuskip}
3490
3491 \def\bidi@del@tok@from@list#1#2{\begingroup
3492     \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM

```



```

3493     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
3494     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3495         {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3496     \bidi@cs@listb}%
3497     \edef\bidi@cs@lista{\noexpand\bidi@cs@listb}\expandafter\the\csname#1\endcsname\noexpand
3498     \bidi@cs@lista \endgroup}
3499 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3500     \bidi@in@front@of@cslist\bidi@cs@lista}
3501 \long\def\bidi@in@front@of@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
3502     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3503     \endgroup}
3504 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3505     \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3506     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3507     \expandafter\the\csname#1\endcsname}%
3508     }
3509 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3510     \bidi@set@cslist\bidi@cs@lista}
3511 \long\def\bidi@set@cslist#1#2{\begingroup\bidi@toks@lista={#2}%
3512     \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3513
3514 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
3515 %
3516 % push in terms of prepending of lists
3517 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslist#1\expandafter{\expandafter\\expandafter
3518 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
3519 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslist#1{\{\{#2\}\}}
3520 \def\bidi@local@push@onto#1#2{\let\\=\relax
3521     \bidi@local@in@front@of@list{#1}\{\{#2\}\}}
3522 % pop via auxiliary macro: #1 is result, #2 is stack
3523 % two cs arguments
3524 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
3525     {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3526 % two string arguments
3527 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
3528     {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@pop}
3529 \long\def\@bidi@popinto#1#2\@#3#4\@bidi@pop{#1{#3}#2{#4}}
3530 \def\bidi@copy@stacktop#1#2{%
3531     \edef\bidi@cs@ef{\noexpand\@bidi@copy@stacktop
3532         {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3533     \bidi@cs@e}
3534 \def\@bidi@copy@stacktop#1\@#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3535 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3536 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3537 \def\bidi@length@of@csstack#1{\def\@#1{\advance\bidi@stack@length\@ne}%
3538     \bidi@stack@length\m@ne \the#1}
3539 % turn a stack upside down
3540 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3541     \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3542     \loop\ifnum\bidi@tempcountb<\bidi@stack@length

```



```

3543 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
3544 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3545 % \bidi@append@csl@to@csl\bidi@temptoksb\bidi@temptoksa% append a to b
3546 % \bidi@temptoksa\bidi@temptoksb
3547 \repeat% copy b to a
3548 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3549 % invert a stack into a list
3550 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3551 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3552 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3553 \bidi@pop@into{bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
3554 \bidi@append@list@to@list{bidi@temptoksb}{bidi@temptoksa}\repeat
3555 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3556
3557
3558 % General loop macro:
3559 % \looprepeat
3560 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3561 % \untilcondition{<cond>} \whilecondition{<cond>}
3562 % \doloopbody { <loop body> }
3563 % where all control sequences in between \looprepeat and \doloopbody are optional.
3564 %
3565 % var: characters to form a control sequence;
3566 % after \forvariable{index} you can access the loop counter as \index.
3567 % This is a count register; to print it use \number\index.
3568 % start,step,end: integers with obvious relations to the loop counter;
3569 % start and step have a default value of 1
3570 % cond: (sequence of commands ending in) any TeX \if... test.
3571 %
3572 % Count down instead of up with \downtovalue; the increment given in \bystep
3573 % is always positive, and is added or subtracted accordingly.
3574 %
3575 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3576 % at the beginning of the loop body.
3577 %
3578 % Exit from middle of loop: \breaklooprepeat
3579 % use this at any place in the loop; in case of a conditional use
3580 % \ifsomething ... \expandafter \breaklooprepeat \fi
3581 %
3582 % Note that the line ends do not cause spaces in the output.
3583 %
3584 % Technical details:
3585 % The loop body is not executed in a group: the braces are those
3586 % of a token list.
3587 % The 'forvariable' variable is \let to a \count register.
3588
3589
3590
3591 % Auxiliary stuff
3592 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}

```



```

3593 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3594 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@
3595
3596 \newcount\bidilooprepeat@depth
3597 \let\endlooprepeat\relax \def\bidicsprotect{}
3598 % Trace switches may later be defined by PAC_utils
3599 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3600
3601 % Main repeatloop macro
3602 % - go to next level and allocate unique counter/toks if this is the
3603 %   first time we visit this level
3604 % - setup: gather bounds and termination conditions
3605 % - scoop up body in token list; after the assignment define and
3606 %   execute body
3607 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
3608   \advance\bidilooprepeat@depth\@ne\relax
3609   \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
3610     \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}\bidilooprepeat@
3611     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@
3612     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@
3613     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}\bidilooprepeat@
3614   \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidiloopre
3615   \edef\bidilooprepeat@tmp
3616     {\def\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}\bidiloopre
3617   \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral\bidilooprepeat@toks}
3618
3619 % Define and execute loop body
3620 % This is done with an \edef to construct the actual sequence
3621 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef\bidilooprepeat@body}{%
3622   \bidilooprepeat@csargromannumeral\the\bidilooprepeat@wtest}%
3623   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@toks}%
3624   \bidilooprepeat@csargromannumeral\the\bidilooprepeat@utest}%
3625   \global\bidilooprepeat@csargromannumeral\advance\bidilooprepeat@count by \bidiloopre
3626   \noexpand\endlooprepeat
3627   \bidilooprepeat@csargromannumeral\noexpand\bidilooprepeat@looprepeat}}%
3628   \bidilooprepeat@csromannumeral\bidilooprepeat@body\ignorespaces}
3629
3630 % Stop test
3631 %% In order to stop, issue a
3632 % \breaklooprepeat which scoops up the rest of the body and exits
3633 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral\
3634   \advance\bidilooprepeat@depth\m@ne \bidilooprepeat@traceexit
3635 }
3636
3637
3638 % Setup
3639 % gather bounds and termination conditions
3640 \def\bidilooprepeat@setup#1{%
3641   \begingroup
3642   \def\forvariable##1{%

```



```

3643 \edef\bidilooprepeat@tmp{%
3644 \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral{\bidilooprepeat@tmp}%
3645 \bidilooprepeat@tmp}%
3646 \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global{\bidilooprepeat@count}##1\ignorespaces}%
3647 \def\tovalue##1{%
3648 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@tmp}%
3649 {\bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}}%
3650 \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@wtest}%
3651 \noexpand\expandafter\noexpand\breaklooprepeat
3652 \noexpand\fi}\ignorespaces}%
3653 \bidilooprepeat@tmp}%
3654 \def\downtovalue##1{%
3655 \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3656 \def\bystep##1{\ifnum##1<0\bidioerror{LOOPREPEAT: increment has to be a positive value}\else
3657 \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{-##1}\else
3658 \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{##1}\fi\ignorespaces}%
3659 \def\untilcondition##1{%
3660 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@tmp}%
3661 {\noexpand##1\relax
3662 \noexpand\expandafter\noexpand\breaklooprepeat\noexpand\fi}\ignorespaces}%
3663 \bidilooprepeat@tmp}%
3664 \def\whilecondition##1{%
3665 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@tmp}%
3666 {\noexpand##1\relax\noexpand\else
3667 \noexpand\expandafter\noexpand\breaklooprepeat\noexpand\fi}\ignorespaces}%
3668 \bidilooprepeat@tmp}%
3669 \fromvalue{\@ne}\bystep{\@ne}#1%
3670 \endgroup}
3671 \def\bidilooprepeat@zero
3672 {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}\bidilooprepeat@csromannumeral{\bidilooprepeat@tmp}}
3673 \bidilooprepeat@csargromannumeral\def{\bidilooprepeat@body}{}}
3674
3675 %\tracingmacros2
3676 %\newcount\tmpcount % used in some examples below
3677
3678 %\looprepeat \forvariable{i}
3679 % \bystep{2}
3680 % \doloopbody {%
3681 % \ifnum i=13 \expandafter\breaklooprepeat \fi
3682 % \number i}%
3683 %}%
3684
3685 %\looprepeat \forvariable{iii}
3686 % \tovalue{8}
3687 % \doloopbody {}
3688 %After loop: \number iii%
3689
3690 %\looprepeat \forvariable{i}
3691 % \fromvalue{10}
3692 % \bystep{2}

```



```

3693%           \downtovalue{0}
3694%   \doloopbody {\number\i} }
3695
3696%\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
3697%   \doloopbody {\number\x} }
3698
3699%\looprepeat \tovalue{3} \doloopbody {Hello world! }
3700
3701%\looprepeat \forvariable{j}
3702%           \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3703%   \doloopbody {\number\j} }
3704
3705%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3706% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3707%   \doloopbody {(\number\i.\number\j) }
3708% }
3709
3710% infinite loop
3711%\looprepeat \doloopbody {}
3712
3713\CheckCommand{\InputIfFileExists}[2]{%
3714  \IfFileExists{#1}%
3715    {#2\@addtofilelist{#1}\@input \@filef@und}}
3716
3717\renewcommand{\InputIfFileExists}[2]{%
3718  \begingroup\expandafter\expandafter\expandafter\endgroup
3719  \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3720    \expandafter\@secondoftwo
3721  \else
3722    \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3723    \expandafter\@firstoftwo
3724  \fi
3725  {%
3726    \expandafter\InputIfFileExists\expandafter{\csname
3727      #1-@bidi@alias\endcsname}{#2}%
3728  }%
3729  {\IfFileExists{#1}{%
3730    \bidi@load@hook{before}{#1}%
3731    #2\@addtofilelist{#1}%
3732    \@input \@filef@und
3733    \bidi@load@hook{after}{#1}%
3734  }}%
3735}
3736
3737\newcommand*{\bidi@loadwithoptions}{%
3738\newcommand*{\bidi@loadwithoptions}{%
3739\let\bidi@loadwithoptions\@loadwithoptions
3740
3741\renewcommand*{\@loadwithoptions}[3]{%
3742  \begingroup\expandafter\expandafter\expandafter\endgroup

```




```

3743 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3744 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3745 \else
3746 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3747 \def\bidi@@loadwithoptions{%
3748 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3749 }%
3750 \fi
3751 \bidi@@loadwithoptions
3752 }
3753
3754 \newcommand*{\bidi@onefilewithoptions}{%
3755 \let\bidi@onefilewithoptions\@onefilewithoptions
3756 \def\@onefilewithoptions#1[#2][#3]#4{%
3757 \begingroup\expandafter\expandafter\expandafter\endgroup
3758 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3759 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3760 \else
3761 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3762 \edef\bidi@onefilewithoptions{%
3763 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3764 \fi
3765 \bidi@@onefilewithoptions[#2][#3]{#4}%
3766 \bidi@load@hook{lateafter}{#1.#4}%
3767 }
3768
3769 \newcommand*{\bidi@ReplaceInput}[2]{%
3770 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3771 }
3772
3773 \newcommand*{\bidi@UnReplaceInput}[1]{%
3774 \ifcsname #1-@bidi@alias\endcsname
3775 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3776 \fi
3777 }
3778
3779 \newcommand*{\@bidi@replacefilewithext}[3]{%
3780 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3781 }
3782 \newcommand*{\bidi@ReplacePackage}[2]{%
3783 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3784 }
3785 \newcommand*{\bidi@ReplaceClass}[2]{%
3786 \@bidi@replacefilewithext{#1}{#2}\@clsextension
3787 }
3788 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3789 \ifcsname #1.#2-@bidi@aliasname\endcsname
3790 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3791 \fi
3792 }

```



```

3793 \newcommand*{\bidi@UnReplacePackage}[1]{%
3794   \@bidi@unreplacefilewithext{#1}\@pkgextension
3795 }
3796 \newcommand*{\bidi@UnReplaceClass}[1]{%
3797   \@bidi@unreplacefilewithext{#1}\@clsextension
3798 }
3799 \newcommand*{\bidi@replacefile@msg}[2]{%
3800   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3801 }
3802
3803 \newcommand*{\bidi@load@hook}[2]{%
3804   \@ifundefined{#2-@#1}{}%
3805   \nameuse{#2-@#1}%
3806   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3807 \newcommand*{\bidi@set@load@hook}[2]{%
3808   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3809   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3810 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3811 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3812 \newcommand*{\bidi@BeforeClass}[1]{%
3813   \bidi@set@load@hook{before}{#1.\@clsextension}}
3814 \newcommand*{\bidi@AfterClass}{%
3815   \@ifstar {\@s@bidi@AfterClass}{%
3816     \@ifnextchar +{\@bidi@AfterClass}%
3817     \@ifnextchar !{\@bidi@AfterClass\bidi@AfterClass
3818     }%
3819   }%
3820 }
3821
3822 \newcommand*{\@@@bidi@AfterClass}[2]{%
3823   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3824     \aftergroup\@s@bidi@AfterClass
3825   \else
3826     \aftergroup\bidi@AfterAtEndOfClass
3827   \fi
3828   \endgroup{#2}%
3829 }
3830
3831 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3832   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3833 \newcommand*{\@@@bidi@AfterClass}[2]{%
3834   \begingroup
3835     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3836       \aftergroup\@s@bidi@AfterClass
3837     \else
3838       \aftergroup\bidi@AfterClass
3839     \fi
3840   \endgroup{#2}%
3841 }
3842

```



```

3843 \newcommand*{\@bidi@AfterClass}[1]{%
3844   \bidi@set@load@hook{after}{#1.\@clsextension}}
3845 \newcommand*{\@s@bidi@AfterClass}[1]{%
3846   \begingroup
3847     \@ifclassloaded{#1}{%
3848       \aftergroup\@secondoftwo
3849     }{%
3850       \aftergroup\@bidi@AfterClass
3851     }%
3852   \endgroup
3853   {#1}%
3854 }
3855
3856
3857 \newcommand*{\bidi@BeforePackage}[1]{%
3858   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3859 \newcommand*{\bidi@AfterPackage}{%
3860   \@ifstar {\@s@bidi@AfterPackage}{%
3861     \@ifnextchar +\@bidi@AfterPackage{%
3862       \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3863     }%
3864   }%
3865 }
3866 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3867   \begingroup\ifx\cename #2.\@pkgextension-h@k\endcename\relax
3868     \aftergroup\@s@bidi@AfterPackage
3869   \else
3870     \aftergroup\bidi@AfterAtEndOfPackage
3871   \fi
3872   \endgroup{#2}%
3873 }
3874 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
3875   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3876 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3877   \begingroup
3878     \expandafter\ifx\cename #2.\@pkgextension-h@k\endcename\relax
3879     \aftergroup\@s@bidi@AfterPackage
3880   \else
3881     \aftergroup\bidi@AfterPackage
3882   \fi
3883   \endgroup{#2}%
3884 }
3885 \newcommand*{\@bidi@AfterPackage}[1]{%
3886   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3887 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3888   \begingroup
3889     \@ifpackageloaded{#1}{%
3890       \aftergroup\@secondoftwo
3891     }{%
3892       \aftergroup\bidi@AfterPackage

```



```

3893 }%
3894 \endgroup
3895 {#1}%
3896 }
3897
3898 \newcommand*{\bidi@excludedpackages}{}
3899 \let\bidi@excludedpackages\@empty
3900 \newcommand*{\bidi@samed@RequirePackage}{}
3901 \newcommand*{\bidi@PreventPackageFromLoading}{%
3902   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3903   {\@bidi@PreventPackageFromLoading\PackageWarning}%
3904 }
3905 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3906   \@ifnextchar [%]
3907   {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3908 }
3909 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3910
3911 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3912   \edef\reserved@a{\zap@space#3 \@empty}%
3913   \ifx \reserved@a\@empty
3914     #1{biditools}{%
3915       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3916       argument ignored%
3917     }%
3918   \else
3919     \ifx\bidi@excludedpackages\@empty
3920       \let\bidi@samed@RequirePackage\RequirePackage
3921       \let\RequirePackage\bidi@RequirePackage
3922       \def\reserved@a##1##{%
3923         \@latex@error
3924         {\noexpand \usepackage before \string\documentclass}%
3925         {\noexpand \usepackage may only appear in the document
3926          preamble, i.e.,\MessageBreak
3927          between \noexpand\documentclass and
3928          \string\begin{document}.}%
3929         \@gobble}%
3930       \ifx\reserved@a\usepackage\else
3931         \ifx\usepackage\bidi@samed@RequirePackage\else
3932           \PackageWarning{biditools}{%
3933             Maybe serious problem: unexpected definition of\MessageBreak
3934             \string\usepackage
3935           }%
3936         \fi
3937         \let\usepackage\RequirePackage
3938       \fi
3939     \fi
3940     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3941     \reserved@a\do {%
3942       \ifx\reserved@a\@empty

```



```

3943     #1{biditools}{%
3944         empty package argument for
3945         \string\bid@PreventPackageFromLoading\MessageBreak
3946         ignored%
3947     }%
3948 \else
3949     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3950         #1{biditools}{%
3951             package `\'reserved@a' already loaded.\MessageBreak
3952             Cannot prevent it from being loaded%
3953         }%
3954     }{%
3955         \edef\bid@excludedpackages{\bid@excludedpackages,%
3956             \reserved@a}%
3957         \if\relax\detokenize{#2}\relax\else
3958             \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3959                 \@namedef{bid@exclude@package@\reserved@a @do}{}%
3960             }{%
3961                 \expandafter\def
3962                 \csname bid@exclude@package@\reserved@a
3963                     @do\expandafter\expandafter\expandafter\endcsname
3964                 \expandafter\expandafter\expandafter{%
3965                     \csname bid@exclude@package@\reserved@a @do\endcsname
3966                     #2%
3967                 }%
3968             }%
3969         }%
3970     \fi
3971 }%
3972 \ifx\bid@excludedpackages\@empty
3973     \bid@ResetPreventPackageFromLoading
3974 \fi
3975 \fi
3976 }
3977
3978 \@onlypreamble\bid@PreventPackageFromLoading
3979 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
3980     \let\bid@excludedpackages\@empty
3981     \ifx\RequirePackage\bid@RequirePackage
3982         \ifx\usepackage\RequirePackage
3983             \let\usepackage\bid@saved@RequirePackage
3984         \fi
3985         \let\RequirePackage\bid@saved@RequirePackage
3986     \fi
3987 }
3988 \@onlypreamble\bid@ResetPreventPackageFromLoading
3989 \newcommand*{\bid@StorePreventPackageFromLoading}[1]{%
3990     \let#1\bid@excludedpackages
3991 }
3992 \@onlypreamble\bid@StorePreventPackageFromLoading

```



```

3993 \newcommand*{\@bidi@UnPreventPackageFromLoading}{%
3994   \@ifstar {\@tempswatrue \@bidi@UnPreventPackageFromLoading}%
3995             {\@tempswafalse \@bidi@UnPreventPackageFromLoading}%
3996 }
3997
3998 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
3999   \edef\reserved@b{\zap@space#1 \@empty}%
4000   \if@tempswa
4001     \@for\reserved@a:=\reserved@b\do {%
4002       \ifx\reserved@a \@empty \else
4003         \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
4004           \expandafter\let
4005           \csname bidi@exclude@package@\reserved@a @do\endcsname
4006           \undefined
4007         \fi
4008       \fi
4009     }%
4010   \fi
4011   \ifcsname bidi@excludedpackages\endcsname
4012     \let\reserved@a\bidi@excludedpackages
4013     \let\bidi@excludedpackages \@empty
4014     \expandafter \@for\expandafter\reserved@c
4015     \expandafter:\expandafter=\reserved@a
4016     \do{%
4017       \ifx\reserved@c \@empty\else
4018         \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,%}
4019         \ifin@
4020         \else
4021           \edef\bidi@excludedpackages{%
4022             \bidi@excludedpackages,\reserved@c
4023           }%
4024         \fi
4025       \fi
4026     }%
4027     \ifx\bidi@excludedpackages \@empty\bidi@ResetPreventPackageFromLoading\fi
4028   \fi
4029 }
4030
4031
4032 \newcommand*{\@bidi@RequirePackage}[2][ ]{%
4033   \let\reserved@c \@empty
4034   \let\reserved@d \@empty
4035   \edef\reserved@b{\zap@space#2 \@empty}%
4036   \expandafter \@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4037   \do {%
4038     \begingroup
4039     \@tempswatrue
4040     \@for\reserved@a:=\bidi@excludedpackages\do {%
4041       \ifx\reserved@a\reserved@b
4042         \@tempswafalse

```



```

4043     \fi
4044   }%
4045   \if@tempwa
4046     \xdef\reserved@c{\reserved@c,\reserved@b}%
4047   \else
4048     \ifx\reserved@b\@empty\else
4049       \PackageInfo{biditools}{Excluding package `\'reserved@b\'MessageBreak
4050         from loading}%
4051       \ifundefined{bidi@exclude@package@\reserved@b @do}{%
4052         }{%
4053           \expandafter\g@addto@macro\expandafter\reserved@d
4054             \csname bidi@exclude@package@\reserved@b @do\endcsname
4055         }%
4056     \fi
4057   \fi
4058 \endgroup
4059 }%
4060 \ifx\reserved@c\@empty
4061   \let\reserved@a\bidi@gobbleopt
4062 \else
4063   \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
4064     \expandafter\@gobble\reserved@c\@empty}}%
4065 \fi
4066 \expandafter\reserved@d
4067 \reserved@a
4068 }
4069
4070 \newcommand{\bidi@gobbleopt}[1][{}]{%
4071 \AtEndDocument{%
4072   \let\bidi@saved@checkend=\@checkend
4073   \renewcommand*{\@checkend}[1]{%
4074     \def\reserved@a{#1}\def\reserved@b{document}%
4075     \bidi@saved@checkend{#1}%
4076     \ifx\reserved@a\reserved@b
4077       \let\bidi@saved@clearpage=\clearpage
4078       \renewcommand*{\clearpage}{\bidi@saved@clearpage
4079         \bidi@hook@bcma
4080         \bidi@restore@newpage
4081         \let\clearpage=\bidi@saved@clearpage}%
4082     \fi%
4083     \let\bidi@saved@dofilelist\@dofilelist
4084     \def\@dofilelist{%
4085       \bidi@hook@acma
4086       \let\@dofilelist\bidi@saved@dofilelist
4087       \bidi@saved@dofilelist
4088     }%
4089   }%
4090 }
4091
4092

```



```

4093 \newcommand*{\bidi@saved@checkend}{%
4094 \newcommand*{\bidi@saved@dofilelist}{%
4095 \newcommand*{\bidi@redefine@newpage}{%
4096   \let\bidi@saved@newpage\newpage
4097   \def\bidi@restore@newpage{%
4098     \renewcommand*{\newpage}{%
4099       \PackageWarningNoLine{%
4100         biditools%
4101       }{%
4102         \string\newpage\space at main aux file!\MessageBreak
4103         You have output material at the main aux file.\MessageBreak
4104         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4105         are processed before the output from aux file%
4106       }%
4107       \let\newpage\bidi@saved@newpage
4108       \newpage
4109     }%
4110   }%
4111   \renewcommand*{\newpage}{%
4112     \PackageError{%
4113       biditools%
4114     }{%
4115       \string\newpage\space at \string\bidi@BeforeClosingMainAux
4116     }{%
4117       You should never use \string\newpage\space or
4118       \string\clear(double)page or other output material at the\MessageBreak
4119       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4120       If you'll continue, the \string\newpage\space will be ignored to
4121       avoid corruption of\MessageBreak
4122       every prior use of \string\bidi@BeforeClosingMainAux.
4123     }%
4124   }%
4125 }
4126
4127 \newcommand*{\bidi@restore@newpage}{}
4128 \newcommand*{\bidi@hook@bcma}{}
4129 \newcommand*{\bidi@hook@acma}{}
4130 \newcommand*{\bidi@BeforeClosingMainAux}{%
4131   \ifx\bidi@hook@bcma\@empty
4132     \gdef\bidi@hook@bcma{%
4133       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
4134       \let\protected@write\bidi@protected@immediate@write
4135       \bidi@redefine@newpage
4136     }%
4137   \fi
4138   \g@addto@macro\bidi@hook@bcma%
4139 }
4140
4141 \newcommand*{\bidi@AfterReadingMainAux}{%
4142   \ifx\bidi@hook@acma\@empty

```




```

4143 \gdef\bidhook@acma{%
4144 \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
4145 \let\protected@write\bid@protected@immediate@write
4146 }%
4147 \fi
4148 \g@addto@macro\bidhook@acma%
4149 }
4150
4151 \long\def\bid@protected@immediate@write#1#2#3{%
4152 \begingroup
4153 #2%
4154 \let\protect\@unexpandable@protect
4155 \edef\reserved@a{\immediate\write#1{#3}}%
4156 \reserved@a
4157 \endgroup
4158 \if@nobreak\ifvmode\nobreak\fi\fi
4159 }
4160
4161 \def\bid@patch@counter{0}%
4162 \if@bid@csundef{numexpr}{%
4163 \def\bid@patch@stepcounter{%
4164 \begingroup
4165 \count@\bid@patch@counter\relax
4166 \advance\count@\@ne\relax
4167 \edef\x{\endgroup
4168 \noexpand\def\noexpand\bid@patch@counter{\the\count@}}%
4169 }%
4170 \x
4171 }%
4172 }{%
4173 \def\bid@patch@stepcounter{%
4174 \edef\bid@patch@counter{%
4175 \the\numexpr\bid@patch@counter+\@ne\relax
4176 }%
4177 }%
4178 }
4179 \def\bid@patch@list{}
4180 \def\bid@patch@Add{%
4181 \bid@appto\bid@patch@list
4182 }
4183 \def\bid@patch@AfterPackage#1{%
4184 \@ifpackageloaded{#1}{%
4185 \@firstofone
4186 }{%
4187 \@bid@patch@AfterPackage{#1}%
4188 }%
4189 }
4190 \def\@bid@patch@AfterPackage#1{%
4191 \edef\bid@patch@temp{#1}%
4192 \bid@patch@stepcounter

```



```

4193 \expandafter\bidipatch@@AfterPackage
4194 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4195   \bidipatch@temp
4196 }%
4197 }
4198 \def\bidipatch@@AfterPackage#1#2#3{%
4199   \begingroup
4200     \toks@{#3}%
4201     \xdef\bidipatch@gtemp{%
4202       \noexpand\@ifpackageloaded{#2}{%
4203         \noexpand\let\noexpand#1\noexpand\relax
4204         \the\toks@
4205       }{}%
4206     }%
4207   \endgroup
4208   \let#1\bidipatch@gtemp
4209   \bidipatch@Add#1%
4210   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4211 }
4212
4213 \def\bidipatch@try#1#2#3{%
4214   \if@bidicsundef{#1}{%{}%
4215     \csname #1\endcsname{#2}{#3}%
4216   }%
4217 }
4218
4219 \AtBeginDocument{\bidipatch@list}
4220
4221 \bidipatch@AtEndPreamble{\bidipatch@list}%
4222
4223 \bidipatch@AfterEndPreamble{%
4224   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
4225   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
4226   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
4227   \let\bidipatch@OrgIfClassLater\@ifclasslater
4228   \bidipatch@list
4229   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4230   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4231   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4232   \let\@ifclasslater\bidipatch@OrgIfClassLater
4233 }%

```

21 File `bidituftefloat.sty`

```

4234 \NeedsTeXFormat{LaTeX2e}
4235 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4236 bidi implementation of tufte float]
4237 \RequirePackage{xifthen}
4238 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4239 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}

```



```

4240 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bidit
4241 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1@gobble}}
4242 \newboolean{@bidituftefloat@reversegeometry}
4243 \setboolean{@bidituftefloat@reversegeometry}{false}
4244 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
4245 \newboolean{@bidituftefloat@a4paper}
4246 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
4247 \newboolean{@bidituftefloat@b5paper}
4248 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
4249 \newboolean{@bidituftefloat@symmetric}
4250 \newboolean{@bidituftefloat@twoside}
4251 \DeclareOption{twoside}{%
4252 \@twosidefalse \mparswitchtrue%
4253 \setboolean{@bidituftefloat@twoside}{true}%
4254 \setboolean{@bidituftefloat@symmetric}{true}%
4255 }
4256 \DeclareOption{oneside}{%
4257 \@twosidefalse \mparswitchfalse%
4258 \setboolean{@bidituftefloat@twoside}{false}%
4259 \setboolean{@bidituftefloat@symmetric}{false}%
4260 }
4261 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4262 \newboolean{@bidituftefloat@debug}
4263 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
4264 \ProcessOptions
4265 %% Globally sets the length
4266 \newcommand*{\gsetlength}[2]{%
4267   \setlength{#1}{#2}%
4268   \global#1=#1\relax%
4269 }
4270
4271 %% Set the font sizes and baselines to match bidituftefloat's books
4272 \renewcommand\normalsize{%
4273   \@setfontsize\normalsize\@xpt{14}%
4274   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4275   \abovedisplayshortskip \z@ \@plus3\p@
4276   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4277   \belowdisplayskip \abovedisplayskip
4278   \let\@listi\@listI}
4279 \normalbaselineskip=14pt
4280 \normalsize
4281 \renewcommand\footnotesize{%
4282   \@setfontsize\footnotesize\@viipt{10}%
4283   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4284   \abovedisplayshortskip \z@ \@plus\p@
4285   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4286   \def\@listi{\leftmargin\leftmarginI
4287             \topsep 3\p@ \@plus\p@ \@minus\p@
4288             \parsep 2\p@ \@plus\p@ \@minus\p@
4289             \itemsep \parsep}%

```



```

4290 \belowdisplayskip \abovedisplayskip
4291 }
4292 %% Paragraph indentation and separation for marginal text
4293 \newcommand{\@biditytfloat@margin@par}{%
4294 \setlength{\RaggedRightParindent}{0.5pc}%
4295 \setlength{\JustifyingParindent}{0.5pc}%
4296 \setlength{\parindent}{0.5pc}%
4297 \setlength{\parskip}{0pt}%
4298 }
4299 \RequirePackage{ragged2e}
4300 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4301 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparse
4302 \ifthenelse{\boolean{@biditytfloat@a4paper}}
4303 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparse
4304 {}
4305 \ifthenelse{\boolean{@biditytfloat@b5paper}}
4306 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
4307 {}}%
4308 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparse
4309 \ifthenelse{\boolean{@biditytfloat@a4paper}}
4310 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparse
4311 {}
4312 \ifthenelse{\boolean{@biditytfloat@b5paper}}
4313 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,m
4314 {}}}
4315 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4316 {}
4317 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4318 \setlength{\marginparpush}{10pt}
4319 %% Font for margin items
4320 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4321 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4322 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4323 \newcommand{\@biditytfloat@justification}{\justifying}%
4324 \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}
4325 \setlength{\belowdisplayskip}{6pt plus 2pt minus 4pt}
4326 \newboolean{@biditytfloat@changepage}
4327 \IfFileExists{changepage.sty}{%
4328 \biditytfloatDebugInfoNL{Found changepage.sty}
4329 \RequirePackage[strict]{changepage}
4330 \setboolean{@biditytfloat@changepage}{true}
4331 }{%
4332 \biditytfloatDebugInfoNL{Found chngpage.sty}
4333 \RequirePackage[strict]{chngpage}
4334 \setboolean{@biditytfloat@changepage}{false}
4335 }
4336 \newboolean{@biditytfloat@odd@page}
4337 \setboolean{@biditytfloat@odd@page}{true}
4338 \newcommand*{\@biditytfloat@checkoddpage}{%
4339 \checkoddpage%

```



```

4340 \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
4341   \ifoddpage%
4342     \setboolean{@bidituftefloat@odd@page}{true}%
4343   \else%
4344     \setboolean{@bidituftefloat@odd@page}{false}%
4345   \fi%
4346 }{%
4347   \ifcpoddpage%
4348     \setboolean{@bidituftefloat@odd@page}{true}%
4349   \else%
4350     \setboolean{@bidituftefloat@odd@page}{false}%
4351   \fi%
4352 }%
4353 }
4354 \newlength{\@bidituftefloat@overhang}% used by the fullwidth environment and the running heads
4355 \newlength{\@bidituftefloat@fullwidth}
4356 \newlength{\@bidituftefloat@caption@fill}
4357 \newcommand{\@bidituftefloatRecalculate}{%
4358   \setlength{\@bidituftefloat@overhang}{\marginparwidth}
4359   \addtolength{\@bidituftefloat@overhang}{\marginparsep}
4360
4361   \setlength{\@bidituftefloat@fullwidth}{\textwidth}
4362   \addtolength{\@bidituftefloat@fullwidth}{\marginparsep}
4363   \addtolength{\@bidituftefloat@fullwidth}{\marginparwidth}
4364
4365   \setlength{\@bidituftefloat@caption@fill}{\textwidth}
4366   \addtolength{\@bidituftefloat@caption@fill}{\marginparsep}
4367 }
4368 \AtBeginDocument{\@bidituftefloatRecalculate}
4369 \RequirePackage{optparams}% provides multiple optional arguments for commands
4370 \RequirePackage{placeins}
4371 \newsavebox{\@bidituftefloat@margin@floatbox}
4372 \newenvironment{@bidituftefloat@margin@float}[2][{-1.2ex}%
4373   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4374   \begin{lrbox}{\@bidituftefloat@margin@floatbox}%
4375   \begin{minipage}{\marginparwidth}%
4376     \@bidituftefloat@caption@font%
4377     \def\@capttype{#2}%
4378     \hbox{\vspace*{#1}%
4379       \@bidituftefloat@caption@justification%
4380       \@bidituftefloat@margin@par%
4381       \noindent%
4382     }
4383   {\end{minipage}%
4384   \end{lrbox}%
4385   \marginpar{\usebox{\@bidituftefloat@margin@floatbox}}}%
4386 }
4387 \newenvironment{marginfigure}[1][{-1.2ex}%
4388   {\begin{@bidituftefloat@margin@float}[#1]{figure}}
4389   {\end{@bidituftefloat@margin@float}}

```



```

4390 \newenvironment{margintable}[1][1.2ex]%
4391   {\begin{@biditytfloat@margin@float}[#1]{table}}
4392   {\end{@biditytfloat@margin@float}}
4393 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4394
4395 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
4396 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4397   \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
4398     {\def\@biditytfloat@float@debug@info{#1}}%
4399     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4400 }
4401 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4402 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug{
4403 \newboolean{@biditytfloat@float@recto}
4404 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{
4405 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{
4406 \newsavebox{\@biditytfloat@figure@box}
4407 \newsavebox{\@biditytfloat@caption@box}
4408 \let\@biditytfloat@orig@float\float
4409 \let\@biditytfloat@orig@endfloat\endfloat
4410 \newlength{\@biditytfloat@caption@vertical@offset}
4411 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4412 \newcommand{\@biditytfloat@stored@shortcaption}{%
4413 \newcommand{\@biditytfloat@stored@caption}{%
4414 \newcommand{\@biditytfloat@stored@label}{%
4415 \long\def\@biditytfloat@caption{#1}[#2]#3{%
4416   \ifthenelse{\isempty{#1}}%
4417     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4418     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4419   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4420   \gdef\@biditytfloat@stored@caption{#3}%
4421 }
4422 \newcommand{\@biditytfloat@label}[1]{%
4423   \gdef\@biditytfloat@stored@label{#1}%
4424 }
4425 \newcommand{\@biditytfloat@fps}{%
4426 \newboolean{@biditytfloat@float@star}
4427 \newlength{\@biditytfloat@float@contents@width}
4428 \newenvironment{@biditytfloat@float}[3][htbp]%
4429   {% begin @biditytfloat@float
4430     % Should this float be full-width or just text-width?
4431     \ifthenelse{\equal{#3}{star}}%
4432       {\GlobalSetBoolean{@biditytfloat@float@star}{true}}%
4433       {\GlobalSetBoolean{@biditytfloat@float@star}{false}}%
4434     % Check page side (recto/verso) and store detected value -- can be overridden in environment
4435     \@biditytfloat@checkoddpage%
4436     \ifthenelse{\boolean{@biditytfloat@odd@page}}%
4437       {\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detect
4438       {\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detect
4439     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,

```



```

4440 \renewcommand{\@biditytfloat@fps}{#1}%
4441 \@biditytfloat@float@debug{Allowed positions: [#1]}%
4442 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4443   {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}}%
4444   {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}%
4445 % Capture the contents of the \caption and \label commands to use later
4446 \global\let\@biditytfloat@orig@caption\caption%
4447 \global\let\@biditytfloat@orig@label\label%
4448 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4449 \renewcommand{\label}{[1]{\@biditytfloat@label{##1}}}%
4450 % Handle subfigure package compatibility
4451 \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
4452   \bidi@patchcmd{\subfigure}{%
4453     \let\subfig@oldlabel=\label
4454   }{%
4455     \let\subfig@oldlabel=\@biditytfloat@orig@label
4456   }
4457   {}
4458   {}
4459   \let\subtable=\subfigure
4460 }{% subfigure package is not loaded
4461 \@biditytfloat@orig@float{#2}[#1]%
4462 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4463   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4464   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4465 \begin{lrbox}{\@biditytfloat@figure@box}%
4466   \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4467 }{% end @biditytfloat@float
4468   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4469   \end{minipage}%
4470 \end{lrbox}%
4471 % build the caption box
4472 \begin{lrbox}{\@biditytfloat@caption@box}%
4473   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4474     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@caption}%
4475     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label}%
4476     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4477   \end{minipage}%
4478 \end{lrbox}%
4479 % now typeset the stored boxes
4480 \begin{fullwidth}%
4481   \begin{minipage}[\floatalignment]{\linewidth}%
4482     \ifthenelse{\boolean{@biditytfloat@float@star}}%
4483       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@float@textwidth}}}%
4484       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfloat@float@textwidth}}%
4485   \end{minipage}%
4486 \end{fullwidth}%
4487 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4488 % output debug info
4489 \ifthenelse{\boolean{@biditytfloat@debug}}{%

```



```

4490 \typeout{^^J^^J----- biduntfloat package float information -----}%
4491 \ifthenelse{\equal{\@biduntfloat@stored@label}{}}{%
4492   {\typeout{Warning: Float unlabeled!}}%
4493   {\typeout{Float label: [\@biduntfloat@stored@label]}}%
4494 \typeout{Page number: [\thepage]}%
4495 \def\MessageBreak{^^J}%
4496 \typeout{\@biduntfloat@float@debug@info}%
4497 \ifthenelse{\boolean{\@biduntfloat@symmetric}}{%
4498   {\typeout{Symmetric: [true]}}%
4499   {\typeout{Symmetric: [false]}}%
4500 \typeout{-----^^J^^J}%
4501 }{%
4502 % reset commands and temp boxes and captions
4503 \gdef\@biduntfloat@float@debug@info{%
4504 \let\caption\@biduntfloat@orig@caption%
4505 \let\label\@biduntfloat@orig@label%
4506 \begin{lrbox}{\@biduntfloat@figure@box}\hbox{}\end{lrbox}%
4507 \begin{lrbox}{\@biduntfloat@caption@box}\hbox{}\end{lrbox}%
4508 \gdef\@biduntfloat@stored@shortcaption{%
4509 \gdef\@biduntfloat@stored@caption{%
4510 \gdef\@biduntfloat@stored@label{%
4511 \gsetlength{\@biduntfloat@caption@vertical@offset}{0pt}% reset caption offset
4512 }
4513 \newcommand{\@biduntfloat@float@textwidth}[3][0pt]{%
4514 \ifthenelse{\NOT\boolean{\@biduntfloat@symmetric}\OR\boolean{\@biduntfloat@float@recto}}{%
4515   % asymmetric or page is odd, so caption is on the right
4516   \hbox{%
4517     \usebox{#2}%
4518     \hspace{\marginparsep}%
4519     \smash{\raisebox{#1}{\usebox{#3}}}%
4520   }
4521   \@biduntfloat@float@debug{Caption position: [right]}%
4522 }{% symmetric pages and page is even, so caption is on the left
4523   \hbox{%
4524     \smash{\raisebox{#1}{\usebox{#3}}}%
4525     \hspace{\marginparsep}%
4526     \usebox{#2}%
4527   }
4528   \@biduntfloat@float@debug{Caption position: [left]}%
4529 }%
4530 }
4531 \newcommand{\@biduntfloat@float@fullwidth}[3][0pt]{%
4532 \ifthenelse{\equal{\floatalignment}{b}}{%
4533   {% place caption above figure
4534     \ifthenelse{\NOT\boolean{\@biduntfloat@symmetric}\OR\boolean{\@biduntfloat@float@recto}}{%
4535       {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biduntfloat@float@debug{}}
4536       {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biduntfloat@float@debug{}}
4537     }{% place caption below figure
4538       \ifthenelse{\NOT\boolean{\@biduntfloat@symmetric}\OR\boolean{\@biduntfloat@float@recto}}{%
4539         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biduntfloat@float@debug{}}

```




```

4540         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bituftefloat@float@debug{
4541     }%
4542 }
4543 \renewenvironment{figure}[1][htbp]%
4544   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{}}
4545   {\end{@bituftefloat@float}}
4546 \renewenvironment{table}[1][htbp]
4547   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{}}
4548   {\end{@bituftefloat@float}}
4549 \renewenvironment{figure*}[1][htbp]%
4550   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{figure}{star}}
4551   {\end{@bituftefloat@float}}
4552 \renewenvironment{table*}[1][htbp]%
4553   {\ifvmode\else\unskip\fi\begin{@bituftefloat@float}[#1]{table}{star}}
4554   {\end{@bituftefloat@float}}
4555 \newenvironment{fullwidth}
4556   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
4557     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\begin{adjustwidth*}{-}\@bituftefloat@overhang}%
4558     {\begin{adjustwidth}{-}\@bituftefloat@overhang}}%
4559   }%
4560   {\ifthenelse{\boolean{@bituftefloat@symmetric}}%
4561     {\ifthenelse{\boolean{@bituftefloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4562     {\end{adjustwidth}}}%
4563 }
4564 \long\def\@caption#1[#2]#3{%
4565   \par%
4566   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4567     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4568   \begingroup%
4569     \@parboxrestore%
4570     \if@minipage%
4571       \@setminipage%
4572     \fi%
4573     \@bituftefloat@caption@font\@bituftefloat@caption@justification%
4574     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4575     %\makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4576   \endgroup}
4577 %%
4578 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4579 \DeclareRobustCommand{\@bitufteheading@newlinetospace}{%
4580   \@ifstar{\@bitufteheading@newlinetospace@i}{\@bitufteheading@newlinetospace@i}%
4581 }
4582 \def\@bitufteheading@newlinetospace@i{%
4583   \ifdim\lastskip>z\else\space\fi
4584   \ignorespaces%
4585 }
4586 \DeclareRobustCommand{\newlinetospace}[1]{%
4587   \let\@bitufteheading@orig@cr\% save the original meaning of \
4588   \def\{\@bitufteheading@newlinetospace}% turn \ and \* into \space
4589   \let\newline\% turn \newline into \space

```



```

4590 #1%
4591 \let\\@biditytufteheading@orig@cr% revert to original meaning of \\
4592 }
4593 \RequirePackage{fancyhdr}
4594 \pagestyle{fancy}
4595 \AtBeginDocument{%
4596 \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4597   {\fancyhfoffset[LE,RO]{\@biditytuftefloat@overhang}}
4598   {\fancyhfoffset[RE,RO]{\@biditytuftefloat@overhang}}
4599 }
4600 % The running heads/feet don't have rules
4601 \renewcommand{\headrulewidth}{0pt}
4602 \renewcommand{\footrulewidth}{0pt}
4603 % The 'fancy' page style is the default style for all pages.
4604 \fancyhf{} % clear header and footer fields
4605 \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4606   {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4607    \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4608   {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4609 % The 'plain' page style is used on chapter opening pages.
4610 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4611 % bottom of pages -- the folios are unexpressed.
4612 \fancypagestyle{plain}{
4613   \fancyhf{} % clear header and footer fields
4614   % Uncomment the following five lines of code if you want the opening page
4615   % of the chapter to express the folio in the lower outside corner.
4616   % \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4617   %   {\fancyfoot[LE,RO]{\thepage}}
4618   %   {\fancyfoot[RE,RO]{\thepage}}
4619 }
4620 % The 'empty' page style suppresses all headers and footers.
4621 % It's used on title pages and 'intentionally blank' pages.
4622 \fancypagestyle{empty}{
4623   \fancyhf{} % clear header and footer fields
4624 }
4625 \def\morefloats{% provides a total of 52 floats
4626   \ifthenelse{\isundefined{\bx@S}}{%
4627     \biditytuftefloatDebugInfoNL{Adding 34 more float slots.}
4628     \newinsert\bx@S
4629     \newinsert\bx@T
4630     \newinsert\bx@U
4631     \newinsert\bx@V
4632     \newinsert\bx@W
4633     \newinsert\bx@X
4634     \newinsert\bx@Y
4635     \newinsert\bx@Z
4636     \newinsert\bx@a
4637     \newinsert\bx@b
4638     \newinsert\bx@c
4639     \newinsert\bx@d

```



```

4640 \newinsert\bx@e
4641 \newinsert\bx@f
4642 \newinsert\bx@g
4643 \newinsert\bx@h
4644 \newinsert\bx@i
4645 \newinsert\bx@j
4646 \newinsert\bx@k
4647 \newinsert\bx@l
4648 \newinsert\bx@m
4649 \newinsert\bx@n
4650 \newinsert\bx@o
4651 \newinsert\bx@p
4652 \newinsert\bx@q
4653 \newinsert\bx@r
4654 \newinsert\bx@s
4655 \newinsert\bx@t
4656 \newinsert\bx@u
4657 \newinsert\bx@v
4658 \newinsert\bx@w
4659 \newinsert\bx@x
4660 \newinsert\bx@y
4661 \newinsert\bx@z
4662 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4663 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4664 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4665 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4666 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4667 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4668 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4669 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4670 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4671 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4672 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4673 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4674 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4675 \ifthenelse{isundefined{\bx@AA}}{%
4676 \biditytfloatDebugInfoNL{Adding 26 more float slots.}
4677 \newinsert\bx@AA
4678 \newinsert\bx@BB
4679 \newinsert\bx@CC
4680 \newinsert\bx@DD
4681 \newinsert\bx@EE
4682 \newinsert\bx@FF
4683 \newinsert\bx@GG
4684 \newinsert\bx@HH
4685 \newinsert\bx@II
4686 \newinsert\bx@JJ
4687 \newinsert\bx@KK
4688 \newinsert\bx@LL
4689 \newinsert\bx@MM

```



```

4690 \newinsert\bx@NN
4691 \newinsert\bx@OO
4692 \newinsert\bx@PP
4693 \newinsert\bx@QQ
4694 \newinsert\bx@RR
4695 \newinsert\bx@SS
4696 \newinsert\bx@TT
4697 \newinsert\bx@UU
4698 \newinsert\bx@VV
4699 \newinsert\bx@WW
4700 \newinsert\bx@XX
4701 \newinsert\bx@YY
4702 \newinsert\bx@ZZ
4703 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4704 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4705 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4706 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4707 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4708 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4709 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4710 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4711 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4712 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4713 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4714 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4715 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4716 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4717 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4718 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4719 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4720 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4721 }{%
4722 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4723 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\N
4724 }%
4725 }%
4726 }
4727 \newboolean{@biditytfloat@packages@subfigure}
4728 \setboolean{@biditytfloat@packages@subfigure}{false}
4729 \AtBeginDocument{%
4730 \@ifpackageloaded{subfigure}
4731 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4732 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4733 }
4734 \AtBeginDocument{%
4735 \@ifpackageloaded{float}{%
4736 % Save the redefined float environment (instead of the LaTeX float environment)
4737 \let\@biditytfloat@orig@float\@float
4738 \let\@biditytfloat@orig@endfloat\endfloat
4739

```



```

4740 % Define Tuftian float styles (with the caption in the margin)
4741 \newcommand{\floatc@biditytfloatplain}[2]{%
4742   \begin{lrbox}{\@biditytfloat@caption@box}%
4743     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4744       \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4745     }
4746   \end{minipage}%
4747   \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4748 }
4749 \newcommand{\fs@biditytfloatplain}{%
4750   \def\@fs@cfont{\@biditytfloat@caption@font}%
4751   \let\@fs@capt\floatc@biditytfloatplain%
4752   \def\@fs@pre{}%
4753   \def\@fs@post{}%
4754   \def\@fs@mid{}%
4755   \let\@fs@iftopcapt\iftrue%
4756 }
4757 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4758 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4759 \newcommand\floatc@biditytfloatruled[2]{%
4760   {\@fs@cfont #1} #2\par%
4761 }
4762 \newcommand\fs@biditytfloatruled{%
4763   \def\@fs@cfont{\@biditytfloat@caption@font}%
4764   \let\@fs@capt\floatc@biditytfloatplain%
4765   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4766   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4767   \def\@fs@mid{}%
4768   \let\@fs@iftopcapt\iftrue%
4769 }
4770 \newcommand\fs@biditytfloatboxed{%
4771   \def\@fs@cfont{}%
4772   \let\@fs@capt\floatc@biditytfloatplain%
4773   \def\@fs@pre{%
4774     \setbox\@currbox\vbox{\hbadness10000
4775       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4776         \hrule \hbox to\hsize{\vrule\kern3pt
4777           \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4778   }%
4779   \def\@fs@mid{\kern2pt}%
4780   \def\@fs@post{}%
4781   \let\@fs@iftopcapt\iftrue%
4782 }
4783 }{%
4784   % Nothing to do
4785 }
4786 }
4787 \AtBeginDocument{%
4788   \ifpackageloaded{algorithm}{%
4789     % Set the float style to the Tuftian version

```



```

4790 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{\ALG@floatstyle}{\ALG@floatstyle}
4791 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4792 \floatstyle{biditytfloat\ALG@floatstyle}%
4793 \restylefloat{algorithm}%
4794 }{}%
4795 }{}%
4796 % Nothing to do
4797 }
4798 }
4799 \PassOptionsToPackage{caption=false}{subfig}

```

22 File biditytfloatsidenote.sty

```

4800 \NeedsTeXFormat{LaTeX2e}
4801 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
4802 bidi implementation of tufte sidenote]
4803 \RequirePackage{xifthen}
4804 \RequirePackage{ragged2e}
4805 \RequirePackage{setspace}
4806 \RequirePackage{biditytools}
4807 \def\biditytfloatsidenotemarginpar{%
4808 \ifhmode
4809 \@bsphack
4810 \@floatpenalty -\@Mii
4811 \else
4812 \@floatpenalty -\@Miii
4813 \fi
4814 \ifinner
4815 \@parmoderr
4816 \@floatpenalty\z@
4817 \else
4818 \@next\@currbox\@freelist{}{}%
4819 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4820 {\@floatpenalty\z@
4821 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4822 \fi
4823 \@ifnextchar [\@biditytfloatsidenotexmpar\@biditytfloatsidenoteympar]
4824 \long\def\@biditytfloatsidenotexmpar[#1]#2{%
4825 \@biditytfloatsidenotesavemarbox\@marbox{#1}%
4826 \@biditytfloatsidenotesavemarbox\@currbox{#2}%
4827 \@xympar}
4828 \long\def\@biditytfloatsidenoteympar#1{%
4829 \@biditytfloatsidenotesavemarbox\@marbox{#1}%
4830 \global\setbox\@currbox\copy\@marbox
4831 \@xympar}
4832 \long\def \@biditytfloatsidenotesavemarbox #1#2{%
4833 \global\setbox #1%
4834 \color@vbox
4835 \vtop{%
4836 \hsize\marginparwidth

```



```

4837         \@parboxrestore
4838         \@bidityftesidenotemarginparreset
4839         #2%
4840         \@minipagefalse
4841         \outer@nobreak
4842     }%
4843     \color@endbox
4844 }
4845 \def \@bidityftesidenotemarginparreset {%
4846     \reset@font
4847     \normalsize
4848     \@minipagetrue
4849     \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4850 }
4851 \def \LTRbidityftesidenotemarginpar{%
4852     \ifhmode
4853         \@bsphack
4854         \@floatpenalty -\@Mii
4855     \else
4856         \@floatpenalty-\@Miii
4857     \fi
4858     \ifinner
4859         \@parmoderr
4860         \@floatpenalty\z@
4861     \else
4862         \@next\@currbox\@freelist{ }{}%
4863         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4864         {\@floatpenalty\z@
4865         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4866     \fi
4867     \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4868 \long\def \@LTRbidityftesidenotexmpar[#1]#2{%
4869     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4870     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4871     \@xympar}
4872 \long\def \@LTRbidityftesidenoteympar#1{%
4873     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4874     \global\setbox\@currbox\copy\@marbox
4875     \@xympar}
4876 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4877     \global\setbox #1%
4878         \color@vbox
4879         \vtop{%
4880             \hsize\marginparwidth
4881             \@parboxrestore
4882             \@LTRbidityftesidenotemarginparreset
4883             #2%
4884             \@minipagefalse
4885             \outer@nobreak
4886         }%

```



```

4887 \color@endbox
4888 }
4889 \def \LTRbidityftesidenotemarginparreset {%
4890 \reset@font
4891 \normalsize
4892 \@minipagetrue
4893 \everypar{\@minipagefalse\everypar{}\beginL}%
4894 }
4895 \def\RTLbidityftesidenotemarginpar{%
4896 \ifhmode
4897 \@bsphack
4898 \@floatpenalty -\@Mii
4899 \else
4900 \@floatpenalty-\@Miii
4901 \fi
4902 \ifinner
4903 \@parmoderr
4904 \@floatpenalty\z@
4905 \else
4906 \@next\@currbox\@freelist{}\{}%
4907 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4908 {\@floatpenalty\z@
4909 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4910 \fi
4911 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4912 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4913 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4914 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4915 \@xympar}
4916 \long\def\@RTLbidityftesidenoteympar#1{%
4917 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4918 \global\setbox\@currbox\copy\@marbox
4919 \@xympar}
4920 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4921 \global\setbox #1%
4922 \color@vbox
4923 \vtop{%
4924 \hsize\marginparwidth
4925 \@parboxrestore
4926 \@RTLbidityftesidenotemarginparreset
4927 #2%
4928 \@minipagefalse
4929 \outer@nobreak
4930 }%
4931 \color@endbox
4932 }
4933 \def \RTLbidityftesidenotemarginparreset {%
4934 \reset@font
4935 \normalsize
4936 \@minipagetrue

```




```

4937 \everypar{\@minipagefalse\everypar{}\beginR}%
4938 }
4939 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4940 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4941 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4942 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4943 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4944 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4945 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4946 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4947 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4948 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4949 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4950 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
4951 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4952 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4953 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4954 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4955 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
4956 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
4957 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4958 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4959 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
4960 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4961 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4962 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4963 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4964 \newcommand{\@bidityftesidenote@margin@par}{%
4965 \setlength{\RaggedRightParindent}{0.5pc}%
4966 \setlength{\JustifyingParindent}{0.5pc}%
4967 \setlength{\parindent}{0.5pc}%
4968 \setlength{\parskip}{0pt}%
4969 }
4970 %%
4971 % Globally sets the length
4972 \ifundefined{gsetlength}{%
4973 \newcommand*{gsetlength}[2]{%
4974 \setlength{#1}{#2}%
4975 \global#1=#1\relax%
4976 }%
4977 }{}
4978
4979 %%
4980 % A function that removes leading and trailing spaces from the supplied macro.
4981 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4982 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4983 % being trimmed of leading and trailing white space.
4984 \catcode`\Q=3
4985 \def\@bidityftesidenote@trim@spaces#1{%
4986 % Use grouping to emulate a multi-token afterassignment queue

```



```

4987 \beginngroup%
4988 % Put \toks 0 {' into the afterassignment queue
4989 \aftergroup\toks\aftergroup0\aftergroup{%
4990 % Apply \trimb to the replacement text of #1, adding a leading
4991 % \noexpand to prevent brace stripping and to serve another purpose
4992 % later.
4993 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4994 % Transfer the trimmed text back into #1.
4995 \edef#1{\the\toks0}%
4996 }
4997 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4998 % clean up any leftover bizarre Qs, and trim a leading space. In
4999 % order for \trimc to work properly we need to put back a Q first.
5000 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
5001 % Execute \vfuzz assignment to remove leading space; the \noexpand
5002 % will now prevent unwanted expansion of a macro or other expandable
5003 % token at the beginning of the trimmed text. The \endgroup will feed
5004 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5005 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5006 \catcode\Q=11
5007 %%
5008 % Citations should go in the margin as sidenotes
5009
5010 \RequirePackage{natbib}
5011 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
5012 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5013 \renewcommand\BR@b@bibitem[2] [] {%
5014 \ifthenelse{\isempty{#1}}%
5015 {\BR@b@bibitem{#2}}%
5016 {\BR@b@bibitem[#1]{#2}}%
5017 \BR@c@bibitem{#2}%
5018 }
5019 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5020 %%
5021 % Normal \cite behavior
5022 \newcounter{@bidityftesidenote@num@bibkeys}%
5023 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt] {%
5024 % Snag the last bibentry in the list for later comparison
5025 \let\@temp@last@bibkey\@empty%
5026 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5027 \sidenote[] [#1] {%
5028 % Loop through all the bibentries, separating them with semicolons and spaces
5029 \normalsize\normalfont\@bidityftesidenote@citation@font%
5030 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5031 \@for\@temp@bibkeyx:=#2\do{%
5032 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
5033 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5034 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5035 \bibentry{\@temp@bibkeyx}}%
5036 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

5037         \bibentry{\@temp@bibkeyx};\ }%
5038     \stepcounter{@biditytesidenote@num@bibkeys}%
5039 }%
5040 }%
5041 }
5042 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
5043 % Snag the last bibentry in the list for later comparison
5044 \let\@temp@last@bibkey\@empty%
5045 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5046 \LTRsidenote[] [#1]{%
5047 % Loop through all the bibentries, separating them with semicolons and spaces
5048 \normalsize\normalfont\@biditytesidenote@LTRcitation@font%
5049 \setcounter{@biditytesidenote@num@bibkeys}{0}%
5050 \@for\@temp@bibkeyx:=#2\do{%
5051     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5052         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
5053         \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5054         \bibentry{\@temp@bibkeyx}}%
5055         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5056         \bibentry{\@temp@bibkeyx};\ }%
5057     \stepcounter{@biditytesidenote@num@bibkeys}%
5058 }%
5059 }%
5060 }
5061 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5062 % Snag the last bibentry in the list for later comparison
5063 \let\@temp@last@bibkey\@empty%
5064 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5065 \RTLsidenote[] [#1]{%
5066 % Loop through all the bibentries, separating them with semicolons and spaces
5067 \normalsize\normalfont\@biditytesidenote@citation@font%
5068 \setcounter{@biditytesidenote@num@bibkeys}{0}%
5069 \@for\@temp@bibkeyx:=#2\do{%
5070     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5071         {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
5072         \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5073         \bibentry{\@temp@bibkeyx}}%
5074         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5075         \bibentry{\@temp@bibkeyx};\ }%
5076     \stepcounter{@biditytesidenote@num@bibkeys}%
5077 }%
5078 }%
5079 }
5080 %%
5081 % Macros for holding the list of cite keys until after the \sidenote
5082 \gdef\@biditytesidenote@citations{}% list of cite keys
5083 \newcommand\@biditytesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
5084 \ifx\@biditytesidenote@citations\@empty\else
5085     \g@addto@macro\@biditytesidenote@citations{,}% separate by commas
5086 \fi

```



```

5087 \g@addto@macro\@bidityftesidenote@citations{#1}
5088 }
5089 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5090 % Snag the last bibentry in the list for later comparison
5091 \let\@temp@last@bibkey\@empty%
5092 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5093 \marginpar{%
5094 \hbox{\vspace*{#1}%
5095 \@bidityftesidenote@citation@font%
5096 \@bidityftesidenote@citation@justification%
5097 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5098 \vspace*{-1\baselineskip}%
5099 % Loop through all the bibentries, separating them with semicolons and spaces
5100 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
5101 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5102 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5103 \ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5104 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5105 \bibentry{\@temp@bibkeyx}}%
5106 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5107 \bibentry{\@temp@bibkeyx};\ }%
5108 \stepcounter{\@bidityftesidenote@num@bibkeys}%
5109 }%
5110 }%
5111 }
5112 %%
5113 % \cite behavior when executed within a sidenote
5114 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5115 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5116 \@bidityftesidenote@add@citation{#1}
5117 }
5118 %%
5119 % Set the default \cite style. This is set and reset by the \sidenote command.
5120 \let\cite\@bidityftesidenote@normal@cite
5121 \let\LTRcite\@bidityftesidenote@normal@cite
5122 \let\RTLcite\@bidityftesidenote@normal@cite
5123 %%
5124 % Transform existing \footnotes into \sidenotes
5125 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5126 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5127 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
5128 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
5129 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5130 % sidenote's text block.
5131 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@}
5132 % Set the in-text footnote mark in the same typeface as the body text itself.
5133 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
5134 \providecommand*\@multiplefootnotemarker}{3sp}
5135 \providecommand*\@multfootsep}{,}
5136 \bidi@patch@AfterPackage{bidi}{%

```



```

5137 \renewcommand{\@footnotemark}{%
5138   \leavevmode%
5139   \ifhmode%
5140     \edef\x@sf{\the\spacefactor}%
5141     \@bidituftesidenote@check@multiple@sidenotes%
5142     \nobreak%
5143   \fi%
5144   \@makefnmark%
5145   \ifhmode\spacefactor\x@sf\fi%
5146   \relax%
5147 }%
5148 }
5149 \newcommand{\@bidituftesidenote@check@multiple@sidenotes}{%
5150   \ifdim\lastkern=\multiplefootnotemarker\relax%
5151     \edef\x@sf{\the\spacefactor}%
5152     \unkern%
5153     \textsuperscript{\multfootsep}%
5154     \spacefactor\x@sf\relax%
5155   \fi
5156 }
5157 \bidi@patch@AfterPackage{bidi}{%
5158 \renewcommand\@footnotetext[2][0pt]{%
5159   \bidituftesidenotemarginpar{%
5160     \hbox{}\vspace*{#1}%
5161     \def\baselinestretch {\setspace@singlespace}%
5162     \reset@font%
5163     \bidi@footnotetext@font% \reset@font\footnotesize%
5164     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
5165     \vspace*{-1\baselineskip}\noindent%
5166     \protected@edef\@currentlabel{%
5167       \csname p@footnote\endcsname\@thefnmark%
5168     }%
5169     \color@begingroup%
5170       \@makefnmark%
5171       \ignorespaces#2%
5172     }%
5173     \color@endgroup%
5174   }%
5175 }%
5176 \renewcommand\@LTRfootnotetext[2][0pt]{%
5177   \LTRbidituftesidenotemarginpar{%
5178     \hbox{}\vspace*{#1}%
5179     \def\baselinestretch {\setspace@singlespace}%
5180     \reset@font%
5181     \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5182     \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
5183     \vspace*{-1\baselineskip}\noindent%
5184     \protected@edef\@currentlabel{%
5185       \csname p@footnote\endcsname\@thefnmark%
5186     }%

```



```

5187 \color@begingroup%
5188 \makefnintext{%
5189 \ignorespaces#2%
5190 }%
5191 \color@endgroup%
5192 }%
5193 }%
5194 \renewcommand\@RTLfootnotetext[2][Opt]{%
5195 \RTLbidituftesidenotemarginpar{%
5196 \hbox{}\vspace*{#1}%
5197 \def\baselinestretch {\setspace@singlespace}%
5198 \reset@font%
5199 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5200 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
5201 \vspace*{-1\baselineskip}\noindent%
5202 \protected@edef\@currentlabel{%
5203 \csname p@footnote\endcsname\@thefnmark%
5204 }%
5205 \color@begingroup%
5206 \makefnintext{%
5207 \ignorespaces#2%
5208 }%
5209 \color@endgroup%
5210 }%
5211 }%
5212 }
5213 %
5214 % Define \sidenote command. Can handle \cite.
5215 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
5216 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}
5217 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5218 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
5219 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
5220 \gdef\@bidituftesidenote@citations{}% clear out any old citations
5221 \ifthenelse{\NOT\isempty{#2}}{%
5222 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
5223 }{%
5224 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
5225 }%
5226 \ifthenelse{\isempty{#1}}{%
5227 % no specific footnote number provided
5228 \stepcounter\@mpfn%
5229 \protected@xdef\@thefnmark{\thempfn}%
5230 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5231 }{%
5232 % specific footnote number provided
5233 \begingroup%
5234 \csname c@\@mpfn\endcsname #1\relax%
5235 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5236 \endgroup%

```



```

5237 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5238 }%
5239 \@bidityftesidenote@print@citations%          print any citations
5240 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5241 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5242 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5243 \unskip\ignorespaces%                          remove extra white space
5244 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5245 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5246 }
5247 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5248 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5249 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5250 \ifthenelse{NOT\isempty{#2}}{%
5251 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5252 }{%
5253 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5254 }%
5255 \ifthenelse{\isempty{#1}}{%
5256 % no specific footnote number provided
5257 \stepcounter\@mpfn%
5258 \protected@xdef\@thefnmark{\thempfn}%
5259 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5260 }{%
5261 % specific footnote number provided
5262 \begingroup%
5263 \csname c@\@mpfn\endcsname #1\relax%
5264 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5265 \endgroup%
5266 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5267 }%
5268 \@bidityftesidenote@print@citations%          print any citations
5269 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5270 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5271 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5272 \unskip\ignorespaces%                          remove extra white space
5273 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5274 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5275 }
5276 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5277 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5278 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5279 \ifthenelse{NOT\isempty{#2}}{%
5280 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5281 }{%
5282 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5283 }%
5284 \ifthenelse{\isempty{#1}}{%
5285 % no specific footnote number provided
5286 \stepcounter\@mpfn%

```



```

5287 \protected@xdef\@thefnmark{\thempfn}%
5288 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5289 }{%
5290 % specific footnote number provided
5291 \begingroup%
5292 \csname c@\mpfn\endcsname #1\relax%
5293 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5294 \endgroup%
5295 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5296 }%
5297 \@bidityftesidenote@print@citations% print any citations
5298 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5299 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5300 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5301 \unskip\ignorespaces% remove extra white space
5302 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5303 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5304 }
5305 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5306 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5307 \newcommand{\RTLSidenote}{\optparams{\@RTLBidityftesidenote@sidenote}{[] [Opt]}}
5308 \bidi@patch@AfterPackage{bidi}{%
5309 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5310 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5311 \renewcommand{\RTLfootnote}{\optparams{\@RTLBidityftesidenote@sidenote}{[] [Opt]}}%
5312 }
5313 %%
5314 % Sidenote without the footnote mark
5315 \newcommand\marginnote[2] [Opt]{%
5316 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5317 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5318 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@font%
5319 \@bidityftesidenote@print@citations% print any citations
5320 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5321 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5322 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5323 }
5324 \newcommand\LTRmarginnote[2] [Opt]{%
5325 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5326 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5327 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font%
5328 \@bidityftesidenote@print@citations% print any citations
5329 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5330 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5331 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5332 }
5333 \newcommand\RTLMarginnote[2] [Opt]{%
5334 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5335 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5336 \RTLBidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@bidityftesidenote@font%

```




```

5337 \@bidityftesidenote@print@citations%          print any citations
5338 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5339 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5340 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5341 }

```

23 File bidityftetoc.sty

```

5342 \NeedsTeXFormat{LaTeX2e}
5343 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5344 bidi implementation of tufte toc]
5345 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5346 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5347 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5348 %%
5349 % Turn off section numbering
5350 \setcounter{secnumdepth}{-1}
5351 \newboolean{@bidityftetoc@toc}
5352 \setboolean{@bidityftetoc@toc}{true}
5353 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5354 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5355 \ProcessOptions
5356 %%
5357 % Make Tufte-style section headings and TOC formatting
5358 \bidityftpatch@AfterPackage{bidi}{%
5359 \titleformat{\chapter}%
5360 [display]% shape
5361 {\relax\ifthenelse{\NOT\boolean{@bidityftfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
5362 {\itshape\huge\thechapter}% label
5363 {0pt}% horizontal separation between label and title body
5364 {\huge\rmfamily\itshape}% before the title body
5365 [\ifthenelse{\NOT\boolean{@bidityftfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
5366 \titleformat{\section}%
5367 [hang]% shape
5368 {\normalfont\Large\itshape}% format applied to label+text
5369 {\thesection}% label
5370 {1em}% horizontal separation between label and title body
5371 {}% before the title body
5372 []% after the title body
5373 \titleformat{\subsection}%
5374 [hang]% shape
5375 {\normalfont\large\itshape}% format applied to label+text
5376 {\thesubsection}% label
5377 {1em}% horizontal separation between label and title body
5378 {}% before the title body
5379 []% after the title body
5380 \titleformat{\paragraph}%
5381 [runin]% shape
5382 {\normalfont\itshape}% format applied to label+text
5383 {\theparagraph}% label

```



```

5384 {1em}% horizontal separation between label and title body
5385 {}% before the title body
5386 []% after the title body
5387 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5388 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5389 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
5390 }
5391 % Subsubsection and following section headings shouldn't be used.
5392 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5393 \renewcommand\subsubsection{%
5394   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5395     \MessageBreak See Robert Bringhurst's _The Elements of
5396     \MessageBreak Typographic Style_, section 4.2.2.
5397     \MessageBreak \noexpand\subsubsection was used}
5398   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5399     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5400     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5401 }
5402 \renewcommand\subparagraph{%
5403   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5404     \MessageBreak See Robert Bringhurst's _The Elements of
5405     \MessageBreak Typographic Style_, section 4.2.2.
5406     \MessageBreak \noexpand\subparagraph was used}
5407   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5408     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5409     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5410 }
5411 % Formatting for main TOC (printed in front matter)
5412 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5413 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5414   \bidi@patch@AfterPackage{bidi}{%
5415     \titlecontents{part}% FIXME
5416     [0em] % distance from left margin
5417     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5418     {\contentslabel{2em}} % before w/label (label = ``II'')
5419     {} % before w/o label
5420     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5421     [\end{fullwidth}] % after
5422     \titlecontents{chapter}%
5423     [0em] % distance from left margin
5424     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5425     {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5426     {\hspace*{0em}} % before w/o label
5427     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5428     [\end{fullwidth}] % after
5429     \titlecontents{section}% FIXME
5430     [0em] % distance from left margin
5431     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5432     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5433     {\hspace*{2em}} % before w/o label

```



```

5434 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5435 [\end{fullwidth}] % after
5436 \titlecontents{subsection}% FIXME
5437 [0em] % distance from left margin
5438 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format)
5439 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5440 {\hspace*{4em}} % before w/o label
5441 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5442 [\end{fullwidth}] % after
5443 \titlecontents{paragraph}% FIXME
5444 [0em] % distance from left margin
5445 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format)
5446 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5447 {\hspace*{6em}} % before w/o label
5448 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5449 [\end{fullwidth}] % after
5450 }%
5451 }{}
5452 %%
5453 % Format lists of figures/tables
5454 \renewcommand\listoffigures{%
5455   \ifundefined{chapter}%
5456     {\section*{\listfigurename}}%
5457     {\chapter*{\listfigurename}}%
5458 % \begin{fullwidth}%
5459   \@starttoc{lof}%
5460 % \end{fullwidth}%
5461 }
5462 \renewcommand\listoftables{%
5463   \ifundefined{chapter}%
5464     {\section*{\listtablename}}%
5465     {\chapter*{\listtablename}}%
5466 % \begin{fullwidth}%
5467   \@starttoc{lot}%
5468 % \end{fullwidth}%
5469 }
5470 \newcommand{\@bidityftetoc@lof@line}[2]{%
5471   % #1 is the figure/table number and its caption text
5472   % #2 is the page number on which the figure/table appears
5473   \leftskip 0.0em
5474   \rightskip 0em
5475   \parfillskip 0em plus 1fil
5476   \parindent 0.0em
5477   \@afterindenttrue
5478   \interlinepenalty\@M
5479   \leavevmode
5480   \@tempdima 2.0em
5481   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5482   \null\nobreak\hspace*{-\if@RTL\rightskip\else\leftskip\fi
5483   {#1}\nobreak\qqquad\nobreak#2%

```



```

5484 \par%
5485 }
5486 \renewcommand*{\l@figure{\@bidityftetoc@lof@line}
5487 \let\l@table\l@figure

```

24 File bidityftgeneralstructure.sty

```

5488 \NeedsTeXFormat{LaTeX2e}
5489 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5490 bidi implementation of tufte general structure]
5491 \renewcommand\small{%
5492   \@setfontsize\small\@ixpt{12}%
5493   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5494   \abovedisplayshortskip \z@ \@plus2\p@
5495   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5496   \def\@listi{\leftmargin\leftmargini
5497     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5498     \parsep 2\p@ \@plus\p@ \@minus\p@
5499     \itemsep \parsep}%
5500   \belowdisplayskip \abovedisplayskip
5501 }
5502 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5503 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5504 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5505 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5506 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5507 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5508 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5509 \setlength\leftmargini {1pc}
5510 \setlength\leftmarginii {1pc}
5511 \setlength\leftmarginiii {1pc}
5512 \setlength\leftmarginiv {1pc}
5513 \setlength\leftmarginv {1pc}
5514 \setlength\leftmarginvi {1pc}
5515 \setlength\labelsep {.5pc}
5516 \setlength\labelwidth {\leftmargini}
5517 \addtolength\labelwidth{-\labelsep}
5518 \setlength{\parindent}{1.0pc}%
5519 \setlength{\parskip}{0pt}%
5520 \RequirePackage{ragged2e}
5521 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5522 % Paragraph indentation and separation for normal text
5523 \newcommand{\@bidityftgeneralstructure@reset@par}{%
5524   \setlength{\RaggedRightParindent}{1.0pc}%
5525   \setlength{\JustifyingParindent}{1.0pc}%
5526   \setlength{\parindent}{1pc}%
5527   \setlength{\parskip}{0pt}%
5528 }
5529 \@bidityftgeneralstructure@reset@par
5530 % Require paralist package for tighter lists

```



```

5531 \RequirePackage{paralist}
5532 % Add rightmargin to compactenum
5533 \def\@compactenum@{%
5534   \expandafter\list\csname label\@enumctr\endcsname{%
5535     \usecounter{\@enumctr}%
5536     \rightmargin=2em% added this
5537     \parsep\plparsep
5538     \itemsep\plitemsep
5539     \topsep\pltopsep
5540     \partopsep\plpartopsep
5541   \def\makelabel##1{\hss\llap{##1}}}}
5542 %%
5543 % An environment for paragraph-style section
5544 \providecommand\newthought[1]{%
5545   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5546   \noindent\textbf{#1}%
5547 }
5548 %%
5549 % Redefine the display environments (quote, quotation, etc.)
5550 \renewenvironment{verse}
5551   {\let\\ \@centercr
5552    \list{}{\itemsep \z@
5553             \itemindent -1pc%
5554             \listparindent\itemindent
5555             \rightmargin \leftmargin
5556             \advance\leftmargin 1pc}%
5557    \small%
5558    \item\relax}
5559   {\endlist}
5560 \renewenvironment{quotation}
5561   {\list{}{\listparindent 1pc%
5562             \itemindent \listparindent
5563             \rightmargin \leftmargin
5564             \parsep \z@ \@plus\p@}%
5565    \small%
5566    \item\relax\noindent\ignorespaces}
5567   {\endlist}
5568 \renewenvironment{quote}
5569   {\list{}{\rightmargin\leftmargin}%
5570    \small%
5571    \item\relax}
5572   {\endlist}
5573 % Italicize description run-in headings (instead of the default bold)
5574 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
5575 %%
5576 % Redefine \bibsection to not mark the running heads.
5577 % (Code modified from natbib.sty.)
5578 \@ifundefined{chapter}%
5579   {\renewcommand\bibsection{\section*{\refname}}}
5580   {\@ifundefined{NAT@sectionbib}%

```



```

5581     {\renewcommand\bibsection{\chapter{\bibname}}}
5582     {\renewcommand\bibsection{\section*\bibname}}}
5583 \RequirePackage{multicol}
5584 \renewenvironment{theindex}{%
5585 \ifundefined{chapter}%
5586     {\section*\indexname}%
5587     {\chapter{\indexname}%
5588 \begin{fullwidth}%
5589 \small%
5590 \parskip0pt%
5591 \parindent0pt%
5592 \let\item\@idxitem%
5593 \begin{multicols}{3}%
5594 }{%
5595 \end{multicols}%
5596 \end{fullwidth}%
5597 }
5598 \AtBeginDocument{%
5599 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5600 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5601 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5602 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5603 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

25 File `bidituftehyperref.sty`

```

5604 \NeedsTeXFormat{LaTeX2e}
5605 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5606 bidi implementation of tufte hyperref]
5607 %%
5608 % Color
5609 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5610 \newboolean{@bidituftehyperref@loadhyper}
5611 \setboolean{@bidituftehyperref@loadhyper}{true}
5612 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5613 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5614 \ProcessOptions
5615 %% Loads the hyperref package and sets some default options.
5616 \newcommand{\bidituftehyperrefLoadHyperref}{%
5617 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5618 \hypersetup{%
5619     bookmarksdepth = section,
5620     citecolor = DarkGreen,
5621     linkcolor = DarkBlue,
5622 %    pagecolor = DarkBlue,
5623     urlcolor = DarkGreen,
5624 }%
5625 }
5626 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
5627 \bidituftehyperrefLoadHyperref%

```



```

5628 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5629 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5630 }

```

26 File `bidituftetitle.sty`

```

5631 \NeedsTeXFormat{LaTeX2e}
5632 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
5633 bidi implementation of tufte title]
5634 \RequirePackage{biditools}
5635 %%
5636 % 'titlepage' option -- creates a full title page with \maketitle
5637 \newboolean{@bidituftetitle@titlepage}
5638 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
5639 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
5640 % Default 'book' and 'handout' options
5641 \@ifclassloaded{book}{%
5642 \ExecuteOptions{titlepage}}{%
5643 \@ifclassloaded{article}{%
5644 \ExecuteOptions{notitlepage}}%
5645 {}}
5646 \ProcessOptions
5647 %%
5648 % Modified \title, \author, and \date commands. These store the
5649 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5650 \newcommand{\plaintitle}{}% plain-text-only title
5651 \newcommand{\plainauthor}{}% plain-text-only author
5652 \newcommand{\plainpublisher}{}% plain-text-only publisher
5653 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5654 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5655 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5656 \newcommand{\@publisher}{}% full publisher with \thanks{}
5657 \newcommand{\thedate}{\today}
5658 \bidi@patch@AfterPackage{bidi}{%
5659 \renewcommand{\thanks}[1]{\footnote{#1}}
5660 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5661 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5662 }
5663 \renewcommand{\title}[2][]{%
5664 \gdef\@title{#2}%
5665 \begingroup%
5666 % TODO store contents of \thanks command
5667 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5668 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5669 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5670 \protected@xdef\thanklesstitle{#2}%
5671 \endgroup%
5672 \ifthenelse{\isempty{#1}}%
5673 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5674 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title

```



```

5675 \ifundefined{hypersetup}%
5676 {}% hyperref is not loaded; do nothing
5677 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5678 }
5679 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5680 \renewcommand{\author}[2][]{%
5681 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5682 \begingroup%
5683 % TODO store contents of \thanks command
5684 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5685 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5686 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5687 \protected@xdef\thanklessauthor{#2}%
5688 \endgroup%
5689 \ifthenelse{\isempty{#1}}%
5690 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5691 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5692 \ifundefined{hypersetup}%
5693 {}% hyperref is not loaded; do nothing
5694 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5695 }
5696 \renewcommand{\date}[1]{}%
5697 \gdef\@date{#1}%
5698 \begingroup%
5699 % TODO store contents of \thanks command
5700 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5701 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5702 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5703 \protected@xdef\thedata{#1}%
5704 \endgroup%
5705 }
5706 %%
5707 % Provides a \publisher command to set the publisher
5708 \newcommand{\publisher}[2][]{%
5709 \gdef\@publisher{#2}%
5710 \begingroup%
5711 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5712 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5713 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5714 \protected@xdef\thanklesspublisher{#2}%
5715 \endgroup%
5716 \ifthenelse{\isempty{#1}}%
5717 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5718 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5719 }
5720 %%
5721 % Produces a full title page
5722 \newcommand{\maketitlepage}[0]{}%
5723 \cleardoublepage%
5724 {}%

```




```

5725 \bfseries%
5726 \begin{fullwidth}%
5727 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5728 \vspace{11.5pc}%
5729 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5730 \vfill%
5731 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5732 \end{fullwidth}%
5733 }
5734 \thispagestyle{empty}%
5735 \clearpage%
5736 }
5737 %%
5738 % Title block
5739 \bidi@AfterEndPreamble{%
5740 \renewcommand{\maketitle}{%
5741 \newpage%
5742 \global\@topnum\z@% prevent floats from being placed at the top of the page
5743 \begingroup%
5744 \setlength{\parindent}{0pt}%
5745 \setlength{\parskip}{4pt}%
5746 \let\@title\@empty%
5747 \let\@author\@empty%
5748 \let\@date\@empty%
5749 \gdef\@title{\LARGE\itshape\@title\par}%
5750 \gdef\@author{\Large\itshape\@author\par}%
5751 \gdef\@date{\Large\itshape\@date\par}%
5752 \@title%
5753 \@author%
5754 \@date%
5755 \endgroup%
5756 \thispagestyle{plain}% suppress the running head
5757 }%
5758 }
5759 %%
5760 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5761 % class.)
5762 \bidi@AfterEndPreamble{%
5763 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5764 {\renewcommand{\maketitle}{\maketitlepage}}
5765 {}
5766 }
5767 %%
5768 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5769 % without headers and footers
5770 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5771 \hbox{}
5772 %\vspace*{\fill}
5773 %\begin{center}
5774 % This page intentionally contains only this sentence.

```



```

5775 %\end{center}
5776 %\vspace{\fill}
5777 \thispagestyle{empty}
5778 \newpage
5779 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File `biditufte-handout.cls`

```

5780 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5781 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
5782 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5783 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5784 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5785 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5786 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5787 \ProcessOptions\relax
5788 \LoadClass{article}
5789 \RequirePackage{bidituftefloat}
5790 \RequirePackage{bidituftesidenote}
5791 \RequirePackage{bidituftetoc}
5792 \RequirePackage{bidituftegeneralstructure}
5793 \RequirePackage{bidituftehyperref}
5794 \RequirePackage{bidituftetitle}
5795 \renewenvironment{abstract}
5796   {\begin{quotation}}
5797   {\end{quotation}}
5798 \AtBeginDocument{%
5799 \IfFileExists{biditufte-handout.cfg}
5800   {\input{biditufte-handout.cfg}
5801    \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5802   {}%
5803 }

```

28 File `biditufte-book.cls`

```

5804 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5805 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5806 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5807 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5808 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5809 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5810 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5811 \ProcessOptions\relax
5812 \LoadClass{book}
5813 \RequirePackage{bidituftefloat}
5814 \RequirePackage{bidituftesidenote}
5815 \RequirePackage{bidituftetoc}
5816 \RequirePackage{bidituftegeneralstructure}
5817 \RequirePackage{bidituftehyperref}
5818 \RequirePackage{bidituftetitle}

```



```

5819%%
5820% Set up any book-specific stuff now
5821%%
5822% The front matter in Tufte's /Beautiful Evidence/ contains everything up
5823% to the opening page of Chapter 1. The running heads, when they appear,
5824% contain only the (arabic) page number in the outside corner.
5825%\newif\if@mainmatter \@mainmattertrue
5826\renewcommand\frontmatter{%
5827  \cleardoublepage%
5828  \@mainmatterfalse%
5829  \pagenumbering{arabic}%
5830  %\pagestyle{plain}%
5831  \fancyhf{}%
5832  \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
5833    {\fancyhead[LE,RO]{\thepage}}%
5834    {\fancyhead[RE,RO]{\thepage}}%
5835}
5836%%
5837% The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5838% numbering---it continues where it left off in the front matter.
5839\renewcommand\mainmatter{%
5840  \cleardoublepage%
5841  \@mainmattertrue%
5842  \fancyhf{}%
5843  \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
5844    {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
5845     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5846     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5847     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5848}
5849%%
5850% The back matter contains appendices, indices, glossaries, endnotes,
5851% bibliographies, list of contributors, illustration credits, etc.
5852\renewcommand\backmatter{%
5853  \if@openright%
5854    \cleardoublepage%
5855  \else%
5856    \clearpage%
5857  \fi%
5858  \@mainmatterfalse%
5859}
5860%%
5861% Only show the chapter titles in the table of contents
5862\setcounter{tocdepth}{0}
5863\AtBeginDocument{%
5864  \IfFileExists{biditytufte-book.cfg}
5865    {\input{biditytufte-book.cfg}}
5866    \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}}
5867  {}%
5868}

```



29 File bidipoem.sty

```

5869 \NeedsTeXFormat{LaTeX2e}
5870 \ProvidesPackage{bidipoem}%
5871 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5872
5873 % Usage:
5874 %
5875 % \Setversedim #1#2 % define the layout (within a group):
5876 % #1 = length of both half-verses
5877 % #2 = separation distance = length of a connection, if present
5878 % Variant:
5879 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5880 % #1 = length of first (=right) half-verse
5881 % #2 = length of second (=left) half-verse
5882 % #3 = separation distance = length of a connection, if present
5883 %
5884 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5885 % #1 = text of first (=right) half-verse
5886 % #2 = text of second (=left) half-verse
5887 % Variant:
5888 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5889 % #1 = text of first (=right) half-verse
5890 % #2 = text of connection
5891 % #3 = text of second (=left) half-verse
5892 %
5893 % Alternative (if preferred):
5894 %
5895 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5896
5897
5898 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5899
5900 % define the layout, verses will be centered
5901
5902 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5903 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5904
5905 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5906 \bidipoem@hvind \textwidth
5907 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5908 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5909 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5910
5911 \def \bidipoem@set@verseI [#1]{% optional parameter
5912 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5913
5914 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5915 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5916 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }

```



```

5917
5918 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5919 \ifdim Opt > \bidipoem@hvind %
5920 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5921 \else
5922 \noindent \hspace \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5923 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5924 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5925 \par }
5926
5927 % macro for two half verses
5928 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5929 \ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5930 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5931 \bidipoem@half@verses@next}
5932
5933 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5934 \traditionalconnverses {#1}{#2}{#3}}
5935
5936
5937 {\catcode\^M=\active % these lines must end with %
5938 \gdef\traditionalpoem@obeylines{\catcode\^M=\active \let^M\traditionalpoem@par}%
5939 \global\let^M\traditionalpoem@par} % this is in case ^M appears in a \write
5940 {\catcode\^M=\active % these lines must end with %
5941 \gdef\modernpoem@obeylines{\catcode\^M=\active \let^M\modernpoem@par}%
5942 \global\let^M\modernpoem@par} % this is in case ^M appears in a \write
5943 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5944 \def\poemmarginsskip{1em plus 1fil minus 1em}
5945 \def\poemextrabaselineskip{0\baselineskip}
5946 \def\poemskip{\medskip}
5947 \newcommand{\bidipoem@openbox}{\leavevmode
5948 \hbox to.77778em{%
5949 \hfil\vrule
5950 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5951 \vrule\hfil}}
5952 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5953 \newdimen\versewidth
5954 \newtoks\bidipoem@p@ftn
5955 \def\poem@verse#1{%
5956 \ifdim\wd#1>\new@poem@width
5957 \xdef\new@poem@width{\the\wd#1}%
5958 \ifdim\new@poem@width>\poem@width
5959 \xdef\poem@width{\new@poem@width}%
5960 \global\let\poem@needrun\relax
5961 \fi
5962 \fi
5963 \hbox to\poem@width{\unhbox#1}%
5964 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5965 }
5966 \def\poem@linebegin{\vadjust{}\hspace\@flushglue\hspace\poemmarginsskip\relax}

```



```

5967 \def\poem@lineend{\nobreak\hskip\poemmarginsskip\hskip\@flushglue\vadjust{}}
5968 \def\poem@lineversesep{%
5969 \nobreak
5970 \hskip\z@ plus 1filll%
5971 \penalty600%
5972 \hskip\poemcolsepskip
5973 \hskip\z@ plus -2filll%
5974 \vadjust{}}%
5975 \nobreak
5976 \hskip\z@ plus 1filll%
5977 }
5978 \def\poem@lineparsebegin{%
5979 \halign\bgroup
5980 \global\setbox\verse@i=\hbox{%
5981 \let\@footnotetext\bidipoem@p@ftntext%
5982 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5983 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5984 \let\@xfootnotenext\bidipoem@p@xftntext%
5985 \let\@xfootnote\bidipoem@p@xfootnote%
5986 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5987 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5988 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5989 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5990 \ignorespaces##\unskip}&&
5991 \global\setbox\verse@ii=\hbox{%
5992 \let\@footnotetext\bidipoem@p@ftntext%
5993 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5994 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5995 \let\@xfootnotenext\bidipoem@p@xftntext%
5996 \let\@xfootnote\bidipoem@p@xfootnote%
5997 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5998 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5999 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6000 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6001 \ignorespaces##\unskip}
6002 \cr
6003 }
6004 \def\poem@lineparseend{%
6005 \crcr\egroup
6006 \vskip-\baselineskip
6007 }
6008 \def\traditionalpoem@cr{%
6009 \cr\poem@line
6010 }
6011 \newbox\verse@i
6012 \newbox\verse@ii
6013 \newif\ifpoem@started
6014
6015 \def\poem@line{%
6016 \poem@lineparseend

```



```

6017 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6018 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6019 \ifpoem@started
6020   \ifdim\wd\verse@ii>\z@\else
6021     \nopagebreak[3]
6022     \fi
6023     \leavevmode
6024     \poem@linebegin
6025     \poem@verse\verse@i
6026     \ifdim\wd\verse@ii>\z@
6027       \poem@lineversesep
6028       \poem@verse\verse@ii
6029       \fi
6030     \poem@lineend
6031 %   \nopagebreak
6032   \par
6033   \vskip\poemextrabaselineskip
6034 \fi
6035 \poem@lineparsebegin
6036 }
6037 \def\@traditionalpoem{%
6038 \stepcounter{poem@no}
6039   \ifnum\max@poem@no<\number\c@poem@no%
6040 \xdef\poem@width{\z@}%
6041   \else
6042 \xdef\poem@width{\poem@prop{poem@width}}%
6043 \fi
6044 \xdef\new@poem@width{\z@}%
6045 \global\versewidth=\poem@width
6046 \poemskip\par
6047 \begingroup
6048 \tabskip=\z@
6049 \parskip=\z@
6050 \parindent=\z@
6051 \parfillskip=\z@
6052 \rightskip=\z@
6053 \leftskip=\z@
6054 \widowpenalty=10000% No break between verses of the same line.
6055 \clubpenalty=10000% Same as above. Not really needed.
6056 \def\newblock{\hfil\poemblocksep\hfil\null}%
6057 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6058 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
6059 \global\poem@startedfalse
6060 \csname poem@obeylines\endcsname
6061 \let\poem@obeylines\relax
6062 \poem@lineparsebegin
6063 }
6064 \def\@endtraditionalpoem{%
6065 \cr
6066 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else

```



```

6067 \noalign{%
6068 \skip0=\poemextrabaseskip
6069 \vskip-\skip0
6070 \vskip-\baseskip
6071 }%
6072 \fi\fi
6073 \poem@lineparseend
6074 \endgroup
6075 \par
6076 \vskip\baseskip
6077 \poemskip
6078 \if@nparlist \else
6079 \ifdim\lastskip >\z@
6080 \@tempkipa\lastskip \vskip -\lastskip
6081 \advance\@tempkipa\parskip \advance\@tempkipa -\outerparskip
6082 \vskip\@tempkipa
6083 \fi
6084 \@endparenv
6085 \fi
6086 \ifdim\new@poem@width<\poem@width
6087 \global\let\poem@needrun\relax
6088 \fi
6089 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
6090 \ifx\AtEndDocument\undefined\poem@finish\fi
6091 }
6092
6093
6094 \long\def\bidipoem@p@ftntext#1{%
6095 \edef\@tempx{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
6096 \global\bidipoem@p@ftn\expandafter{\@tempx{#1}}}%
6097 \long\def\bidipoem@p@LTRftntext#1{%
6098 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6099 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6100 \long\def\bidipoem@p@RTLftntext#1{%
6101 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6102 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6103
6104 \long\def\bidipoem@p@xftntext[#1]#2{%
6105 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}%
6106
6107 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6108 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}%
6109
6110 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6111 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}%
6112
6113 \def\bidipoem@p@xfootnote[#1]{%
6114 \begingroup
6115 \csname c@\@mpfn\endcsname #1\relax
6116 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```




```

6117 \endgroup
6118 \@footnotemark\bidipoem@p@xftntext[#1]}
6119
6120 \def\bidipoem@p@xLTRfootnote[#1]{%
6121 \begingroup
6122 \csname c@ \@mpfn\endcsname #1\relax
6123 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6124 \endgroup
6125 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6126
6127 \def\bidipoem@p@xRTLfootnote[#1]{%
6128 \begingroup
6129 \csname c@ \@mpfn\endcsname #1\relax
6130 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6131 \endgroup
6132 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6133
6134
6135
6136 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6137 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6138 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6139 \def\poem@finish{%
6140 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6141 \ifx\poem@needrun\relax
6142 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6143 \global\let\poem@needrun\undefined
6144 \fi
6145 }
6146 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6147 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6148 \ifx\max@poem@no\undefined
6149 \def\max@poem@no{0}%
6150 \fi
6151 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
6152 \newcommand{\poem@write@aux}[2]{%
6153 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6154 \@x
6155 }
6156 \def\@modernpoem{%
6157 \par
6158 \begingroup
6159 \parskip=\z@
6160 \parindent=\z@
6161 \def\{ {\@settab\@tabplus\ignorespaces}%
6162 \def\} {\@tabminus\ignorespaces}%
6163 \def\newblock{\poemblocksep}%
6164 \let\newpoem@tabcr\@tabcr
6165 \def\modernpoem@par{% Redefine \par for possible \obeylines
6166 \ifpoem@started\else

```



```

6167 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6168 \@stopfield
6169 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6170 \@contfield
6171 \fi
6172 \fi
6173 \ifpoem@started\newpoem@tabcr\fi}%
6174 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6175 \global\poem@startedfalse
6176 \csname poem@obeylines\endcsname
6177 \let\poem@obeylines\relax
6178 \begin{tabbing}%
6179 }
6180 \def\@endmodernpoem{%
6181 \global\poem@startedfalse
6182 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6183 \@stopfield
6184 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6185 \@contfield
6186 \fi
6187 \ifpoem@started\else\let\@stopline\@stopfield\fi
6188 \end{tabbing}%
6189 \endgroup
6190 \par
6191 \if@nolist \else
6192 \ifdim\lastskip >\z@
6193 \@tempskipa\lastskip \vskip -\lastskip
6194 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6195 \vskip\@tempskipa
6196 \fi
6197 \@endparenv
6198 \fi
6199 }
6200 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6201 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@obeylines}
6202 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6203 \gdef\@startfield{%
6204 \global\setbox\@curfield\hbox\bgroup%
6205 \let\@footnotetext\bidipoem@p@ftntext%
6206 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6207 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6208 \let\@xfootnotenext\bidipoem@p@xftntext%
6209 \let\@xfootnote\bidipoem@p@xfootnote%
6210 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6211 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6212 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6213 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6214 \color@begingroup}
6215 \gdef\@stopfield{%
6216 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}

```



```

6217 \gdef\@contfield{%
6218 \global\setbox\@curfield\hbox\bgroup%
6219 \let\@footnotetext\bidipoem@p@ftntext%
6220 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6221 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6222 \let\@xfootnotenext\bidipoem@p@xftntext%
6223 \let\@xfootnote\bidipoem@p@xfootnote%
6224 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6225 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6226 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6227 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6228 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6229 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6230 \renewenvironment{theindex}{%
6231 \if@twocolumn
6232 \@restonecolfalse
6233 \else
6234 \@restonecoltrue
6235 \fi
6236 \columnseprule \z@
6237 \columnsep 35\p@
6238 \twocolumn[\@makeschapterhead{\indexname}]%
6239 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6240 \thispagestyle{plain}\parindent\z@
6241 \parskip\z@ \@plus .3\p@\relax
6242 \let\item\@idxitem
6243 }{%
6244 \if@restonecol\onecolumn\else\clearpage\fi}
6245 \renewcommand*{\head@style}{%
6246 \interlinepenalty \@M
6247 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6248 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6249 \renewcommand*\@regtocline[3]{%
6250 \ifnum #1>\c@tocdepth
6251 \else
6252 \vskip\z@ \@plus .2\p@
6253 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6254 \if@RTL\rightskip\else\leftskip\fi\unitindent
6255 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6256 \parfillskip\z@
6257 \@tempdima\unitindent
6258 \parindent\z@
6259 \leavevmode
6260 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6261 \hskip 1em \nobreak{\slshape #3}\par
6262 }%
6263 \fi}

```



```

6264 \if@oldtoc
6265 \renewcommand*\l@part[2]{%
6266   \ifnum \c@tocdepth >-2\relax
6267     \addpenalty{-\@highpenalty}%
6268     \addvspace{2.25em \@plus\p@}%
6269     \begingroup
6270       \setlength\@tempdima{3em}%
6271       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6272       \parfillskip -\@pnumwidth
6273       {\leavevmode
6274         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6275       \nobreak
6276       \global\@nobreaktrue
6277       \everypar{\global\@nobreakfalse\everypar{}}%
6278     \endgroup
6279   \fi}
6280 \else
6281   \renewcommand*\l@part{%
6282     \ifnum \c@tocdepth >-2\relax
6283       \addpenalty{-\@highpenalty}%
6284       \addvspace{2.25em \@plus\p@}%
6285       \@regtocline{0}%
6286     \fi}
6287 \fi
6288 \if@oldtoc
6289 \renewcommand*\l@chapter[2]{%
6290   \addpenalty{-\@highpenalty}%
6291   \vskip 1.0em \@plus\p@
6292   \setlength\@tempdima{1.5em}%
6293   \begingroup
6294   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6295   \parfillskip -\@pnumwidth
6296   \leavevmode \bfseries
6297   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6298   \hskip -\if@RTL\rightskip\else\leftskip\fi
6299   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6300   \penalty\@highpenalty
6301   \endgroup}
6302 \else
6303   \renewcommand*\l@chapter{\@regtocline{0}}
6304 \fi
6305 \renewenvironment{abstract}{%
6306   \titlepage
6307   \null\vfil
6308   \section*{\SectFont \abstractname}
6309   \noindent\ignorespaces
6310   {\par\vfil\null\endtitlepage}
6311 \renewenvironment{thebibliography}[1]
6312   {\chapter*{\bibname}%
6313     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%

```



```

6314 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6315 \bidi@@thebibliography@font@hook%
6316 \list{\@biblabel{\@arabic\c@enumiv}}%
6317     {\settowidth\labelwidth{\@biblabel{#1}}%
6318      \leftmargin\labelwidth
6319      \advance\leftmargin\labelsep
6320      \@openbib@code
6321      \usecounter{enumiv}%
6322      \let\p@enumiv\@empty
6323      \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6324 \sloppy\clubpenalty4000\widowpenalty4000%
6325 \sfcode`. \@m}
6326 {\def\@noitemerr
6327  {\@latex@warning{Empty `thebibliography' environment}}%
6328  \endlist}
6329 \renewcommand*\left@footnoterule{%
6330 \kern-3\p@
6331 \kern.5\baselineskip
6332 \hrule\@width\unitindent
6333 \kern.4\baselineskip
6334 }
6335 \renewcommand*\right@footnoterule{%
6336 \kern-3\p@
6337 \kern.5\baselineskip
6338 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6339 \kern.4\baselineskip}
6340 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6341 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6342 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6343 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6344 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6345 \renewcommand*\theequation{%
6346 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6347 \renewcommand*\thefigure{%
6348 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6349 \renewcommand*\thetable{%
6350 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6351 \renewcommand*\maketitle{%
6352 \begin{titlepage}%
6353 \let\footnotesize\small
6354 \let\right@footnoterule\relax
6355 \let\left@footnoterule\relax
6356 \let\textwidth\footnoterule\relax
6357 \let \footnote \thanks
6358 \long\def\@makefnmark{\parindent\z@
6359 \def\labelitemi{\textendash}\@revlabeltrue
6360 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6361 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6362 \if@compatibility\setcounter{page}{0}\fi
6363 \null\vfil

```



```

6364 \vskip 60\p@
6365 \begin{center}%
6366 \TitleFont
6367 {\LARGE \def\{\{\penalty -\@M}
6368 \if@allcaps
6369 \expandafter\uc@nothanks\@title\thanks\relax
6370 \else
6371 \@title
6372 \fi\par}%
6373 \vskip 3em%
6374 {\large
6375 \lineskip .75em \parindent\z@
6376 \begin{tabular}[t]{c}%
6377 \if@allcaps
6378 \expandafter\uc@authornothanks\@author\and\relax
6379 \else
6380 \@author
6381 \fi
6382 \end{tabular}\par}%
6383 \vskip 1.5em%
6384 {\large
6385 \if@allcaps
6386 \uppercase\expandafter{\@date}%
6387 \else
6388 \@date
6389 \fi\par}%
6390 \end{center}\par
6391 \@thanks
6392 \vfil\null
6393 \end{titlepage}%
6394 \setcounter{footnote}{0}%
6395 \global\let\thanks\relax
6396 \global\let\maketitle\relax
6397 \global\let\@thanks\@empty
6398 \global\let\@author\@empty
6399 \global\let\@title\@empty
6400 \global\let\@date\@empty
6401 \global\let\title\relax
6402 \global\let\author\relax
6403 \global\let\date\relax
6404 \global\let\and\relax
6405 }

```

31 File boek-xetex-bidi.def

```

6406 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6407 \renewenvironment{theindex}{%
6408 \if@twocolumn
6409 \@restonecolfalse
6410 \else

```



```

6411 \@restonecoltrue
6412 \fi
6413 \columnseprule \z@
6414 \columnsep 35\p@
6415 \twocolumn[\@makeschapterhead{\indexname}]%
6416 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6417 \thispagestyle{plain}\parindent\z@
6418 \parskip\z@ \@plus .3\p@\relax
6419 \let\item\@idxitem
6420 }{%
6421 \if@restonecol\onecolumn\else\clearpage\fi}
6422 \renewcommand*{\head@style}{%
6423 \interlinepenalty \@M
6424 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6425 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6426 \renewcommand*{\@regtocline}[3]{%
6427 \ifnum #1>\c@tocdepth
6428 \else
6429 \vskip\z@ \@plus.2\p@
6430 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6431 \if@RTL\rightskip\else\leftskip\fi\unitindent
6432 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6433 \parfillskip\z@
6434 \@tempdima\unitindent
6435 \parindent\z@
6436 \leavevmode
6437 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6438 \hskip 1em \nobreak{\slshape #3}\par
6439 }%
6440 \fi}
6441 \if@oldtoc
6442 \renewcommand*{\l@part}[2]{%
6443 \ifnum \c@tocdepth >-2\relax
6444 \addpenalty{-\@highpenalty}%
6445 \addvspace{2.25em \@plus\p@}%
6446 \begingroup
6447 \setlength{\@tempdima}{3em}%
6448 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6449 \parfillskip -\@pnumwidth
6450 {\leavevmode
6451 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6452 \nobreak
6453 \global\@nobreaktrue
6454 \everypar{\global\@nobreakfalse\everypar{}}}%
6455 \endgroup
6456 \fi}
6457 \else
6458 \renewcommand*{\l@part}{%
6459 \ifnum \c@tocdepth >-2\relax
6460 \addpenalty{-\@highpenalty}%

```



```

6461      \addvspace{2.25em \@plus \p@}%
6462      \@regtocline{0}%
6463    \fi}
6464 \fi
6465 \if@oldtoc
6466 \renewcommand*\l@chapter[2]{%
6467   \addpenalty{-\@highpenalty}%
6468   \vskip 1.0em \@plus\p@
6469   \setlength\@tempdima{1.5em}%
6470   \begingroup
6471   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6472   \parfillskip -\@pnumwidth
6473   \leavevmode \bfseries
6474   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6475   \hskip -\if@RTL\rightskip\else\leftskip\fi
6476   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6477   \penalty\@highpenalty
6478   \endgroup}
6479 \else
6480 \renewcommand*\l@chapter{\@regtocline{0}}
6481 \fi
6482 \renewcommand*\left@footnoterule{%
6483   \kern-3\p@
6484   \kern.5\baselineskip
6485   \hrule\@width\unitindent
6486   \kern.4\baselineskip
6487 }
6488 \renewcommand*\right@footnoterule{%
6489   \kern-3\p@
6490   \kern.5\baselineskip
6491   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6492   \kern.4\baselineskip}
6493 \renewenvironment{abstract}{%
6494   \titlepage
6495   \null\vfil
6496   \section*{\SectFont \abstractname}
6497   \noindent\ignorespaces}
6498   {\par\vfil\null\endtitlepage}
6499 \renewenvironment{thebibliography}[1]
6500   {\chapter*{\bibname}%
6501     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6502     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6503     \bidi@thebibliography@font@hook%
6504     \list{\@biblabel{\@arabic{c@enumiv}}}%
6505       {\settowidth\labelwidth{\@biblabel{#1}}%
6506         \leftmargin\labelwidth
6507         \advance\leftmargin\labelsep
6508         \@openbib@code
6509         \usecounter{enumiv}%
6510         \let\p@enumiv\@empty

```




```

6511         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6512         \sloppy\clubpenalty4000\widowpenalty4000%
6513         \sfcode`\.\@m}
6514     {\def\@noitemerr
6515      {\@latex@warning{Empty `thebibliography' environment}}}%
6516     \endlist}
6517 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6518 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6519 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6520 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6521 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6522 \renewcommand*\theequation{%
6523   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6524 \renewcommand*\thefigure{%
6525   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6526 \renewcommand*\thetable{%
6527   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6528 \renewcommand*\maketitle{%
6529   \begin{titlepage}%
6530     \let\footnotesize\small
6531     \let\right@footnoterule\relax
6532     \let\left@footnoterule\relax
6533     \let\textwidth\footnoterule\relax
6534     \let \footnote \thanks
6535     \long\def\@makefnmark##1{\parindent\z@
6536       \def\labelitemi{\textendash}\@revlabeltrue
6537       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6538     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6539     \if@compatibility\setcounter{page}{0}\fi
6540     \null\vfil
6541     \vskip 60\p@
6542     \begin{center}%
6543       \TitleFont
6544       {\LARGE \def\\{\penalty -\@M}
6545         \if@allcaps
6546           \expandafter\uc@nothanks\@title\thanks\relax
6547         \else
6548           \@title
6549           \fi\par}%
6550       \vskip 3em%
6551       {\large
6552         \lineskip .75em \parindent\z@
6553         \begin{tabular}[t]{c}%
6554           \if@allcaps
6555             \expandafter\uc@author\@author\and\relax
6556           \else
6557             \@author
6558           \fi
6559         \end{tabular}\par}%
6560       \vskip 1.5em%

```



```

6561      {\large
6562        \if@allcaps
6563          \uppercase\expandafter{\@date}%
6564        \else
6565          \@date
6566        \fi\par}%
6567      \end{center}\par
6568      \@thanks
6569      \vfil\null
6570    \end{titlepage}%
6571    \setcounter{footnote}{0}%
6572    \global\let\thanks\relax
6573    \global\let\maketitle\relax
6574    \global\let\@thanks\@empty
6575    \global\let\@author\@empty
6576    \global\let\@title\@empty
6577    \global\let\@date\@empty
6578    \global\let\title\relax
6579    \global\let\author\relax
6580    \global\let\date\relax
6581    \global\let\and\relax
6582  }

```

32 File bookest-xetex-bidi.def

```

6583 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6584 \def\@makechapterhead#1{%
6585   \vspace*{20\p@}
6586   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6587     \ifnum \c@secnumdepth >\m@ne
6588       \if@mainmatter
6589         {\colorA\huge\scshape \@chapapp\space \thechapter}
6590         \par\nobreak
6591         \vskip 10\p@
6592       \fi
6593     \fi
6594     \interlinepenalty\@M
6595     {\colorB\hrule}
6596     \vskip 15\p@
6597     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6598       {\colorA\Huge \bfseries #1}\par\nobreak
6599     \if@RTL\end{flushleft}\else\end{flushright}\fi
6600     \vskip 5\p@
6601     {\colorB\hrule}
6602     \vskip 30\p@
6603   }}
6604 \def\@makeschapterhead#1{%
6605   \vspace*{20\p@}
6606   {\parindent \z@ \raggedright \normalfont
6607     {\colorB\hrule}

```



```

6608 \vskip 15\p@
6609 \begin{center}
6610   {\colorA\Huge \bfseries #1}\par\nobreak
6611 \end{center}
6612 \vskip 5\p@
6613 {\colorB\hrule}
6614 \vskip 30\p@
6615 }}

```

33 File book-xetex-bidi.def

```

6616 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6617 \renewenvironment{theindex}
6618   {\if@twocolumn
6619     \@restonecolfalse
6620   \else
6621     \@restonecoltrue
6622   \fi
6623   \columnseprule \z@
6624   \columnsep 35\p@
6625   \twocolumn[\@makeschapterhead{\indexname}]%
6626   \@mkboth{\MakeUppercase\indexname}%
6627            {\MakeUppercase\indexname}%
6628   \thispagestyle{plain}\parindent\z@
6629   \parskip\z@ \@plus .3\p@\relax
6630   \let\item\@idxitem}
6631   {\if@restonecol\onecolumn\else\clearpage\fi}
6632 \@ifclassloaded{bookest}{-}{%
6633   \if@titlepage
6634     \renewcommand\maketitle{\begin{titlepage}%
6635       \let\footnotesize\small
6636       \let\right@footnoterule\relax
6637       \let\left@footnoterule\relax
6638       \let\textwidth\footnoterule\relax
6639       \let \footnote \thanks
6640       \let \LTRfootnote \LTRthanks
6641       \let \RTLfootnote \RTLthanks
6642       \null\vfil
6643       \vskip 60\p@
6644       \begin{center}%
6645         {\LARGE \@title \par}%
6646         \vskip 3em%
6647         {\large
6648           \lineskip .75em%
6649           \begin{tabular}[t]{c}%
6650             \@author
6651           \end{tabular}\par}%
6652         \vskip 1.5em%
6653         {\large \@date \par}%           % Set date in \large size.
6654       \end{center}\par

```



```

6655 \@thanks
6656 \vfil\null
6657 \end{titlepage}%
6658 \setcounter{footnote}{0}%
6659 \global\let\thanks\relax
6660 \global\let\LTRthanks\relax
6661 \global\let\RTLthanks\relax
6662 \global\let\maketitle\relax
6663 \global\let\@thanks\@empty
6664 \global\let\@author\@empty
6665 \global\let\@date\@empty
6666 \global\let\@title\@empty
6667 \global\let\title\relax
6668 \global\let\author\relax
6669 \global\let\date\relax
6670 \global\let\and\relax
6671 }
6672 \else
6673 \renewcommand\maketitle{\par
6674 \begingroup
6675 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6676 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6677 \long\def\@makefntext##1{\parindent 1em\noindent
6678 \hb@xt@1.8em{%
6679 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6680 \if@twocolumn
6681 \ifnum \col@number=\@ne
6682 \@maketitle
6683 \else
6684 \twocolumn[\@maketitle]%
6685 \fi
6686 \else
6687 \newpage
6688 \global\@topnum\z@ % Prevents figures from going at top of page.
6689 \@maketitle
6690 \fi
6691 \thispagestyle{plain}\@thanks
6692 \endgroup
6693 \setcounter{footnote}{0}%
6694 \global\let\thanks\relax
6695 \global\let\LTRthanks\relax
6696 \global\let\RTLthanks\relax
6697 \global\let\maketitle\relax
6698 \global\let\@maketitle\relax
6699 \global\let\@thanks\@empty
6700 \global\let\@author\@empty
6701 \global\let\@date\@empty
6702 \global\let\@title\@empty
6703 \global\let\title\relax
6704 \global\let\author\relax

```



```

6705 \global\let\date\relax
6706 \global\let\and\relax
6707 }
6708 \def\@maketitle{%
6709 \newpage
6710 \null
6711 \vskip 2em%
6712 \begin{center}%
6713 \let \footnote \thanks
6714 \let \LTRfootnote \LTRthanks
6715 \let \RTLfootnote \RTLthanks
6716 {\LARGE \@title \par}%
6717 \vskip 1.5em%
6718 {\large
6719 \lineskip .5em%
6720 \begin{tabular}[t]{c}%
6721 \@author
6722 \end{tabular}\par}%
6723 \vskip 1em%
6724 {\large \@date}%
6725 \end{center}%
6726 \par
6727 \vskip 1.5em}
6728 \fi}
6729 \renewcommand*\l@part[2]{%
6730 \ifnum \c@tocdepth >-2\relax
6731 \addpenalty{-\@highpenalty}%
6732 \addvspace{2.25em \@plus\p@}%
6733 \setlength\@tempdima{3em}%
6734 \begingroup
6735 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6736 \parfillskip -\@pnumwidth
6737 {\leavevmode
6738 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6739 \nobreak
6740 \global\@nobreaktrue
6741 \everypar{\global\@nobreakfalse\everypar{}}%
6742 \endgroup
6743 \fi}
6744 \renewcommand*\l@chapter[2]{%
6745 \ifnum \c@tocdepth >\m@ne
6746 \addpenalty{-\@highpenalty}%
6747 \vskip 1.0em \@plus\p@
6748 \setlength\@tempdima{1.5em}%
6749 \begingroup
6750 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6751 \parfillskip -\@pnumwidth
6752 \leavevmode \bfseries
6753 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6754 \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

6755      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6756      \penalty\@highpenalty
6757      \endgroup
6758      \fi}
6759 \renewcommand\left@footnoterule{%
6760   \kern-3\p@
6761   \hrule\@width.4\columnwidth
6762   \kern2.6\p@}
6763 \renewcommand\right@footnoterule{%
6764   \kern-3\p@
6765   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6766   \kern2.6\p@}
6767 \renewcommand\theequation
6768   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6769 \renewcommand \thefigure
6770   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6771 \renewcommand \thetable
6772   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6773 \renewcommand \thechapter {\@arabic\c@chapter}
6774 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6775 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6776 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6777 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6778 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6779 \def\@makechapterhead#1{%
6780   \vspace*{50\p@}%
6781   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6782     \ifnum \c@secnumdepth >\m@ne
6783       \if@mainmatter
6784         \huge\bfseries \@chapapp\space \thechapter
6785         \par\nobreak
6786         \vskip 20\p@
6787       \fi
6788       \fi
6789     \interlinepenalty\@M
6790     \Huge \bfseries #1\par\nobreak
6791     \vskip 40\p@
6792   }}
6793 \def\@makeschapterhead#1{%
6794   \vspace*{50\p@}%
6795   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6796     \normalfont
6797     \interlinepenalty\@M
6798     \Huge \bfseries #1\par\nobreak
6799     \vskip 40\p@
6800   }}
6801 \renewcommand\backmatter{%
6802   \if@openright
6803     \cleardoublepage
6804   \else

```



```

6805 \clearpage
6806 \fi
6807 \@mainmatterfalse}
6808 \renewenvironment{thebibliography}[1]
6809   {\chapter*{\bibname}%
6810    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6811    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6812    \bidi@thebibliography@font@hook%
6813    \list{\@biblabel{\@arabic\c@enumiv}}%
6814      {\settowidth\labelwidth{\@biblabel{#1}}%
6815       \leftmargin\labelwidth
6816       \advance\leftmargin\labelsep
6817       \@openbib@code
6818       \usecounter{enumiv}%
6819       \let\p@enumiv\@empty
6820       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6821   \sloppy
6822   \clubpenalty4000
6823   \@clubpenalty \clubpenalty
6824   \widowpenalty4000%
6825   \sfcode`\.\@m}
6826   {\def\@noitemerr
6827    {\@latex@warning{Empty `thebibliography' environment}}%
6828   \endlist}

```

34 File breqn-xetex-bidi.def

```

6829 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6830 \def\@dmath[#1]{\ifRTL\@RTLfalse\fi%
6831 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6832 \ifnoskipsec \leavevmode \fi
6833 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6834 \if\eq@group\else\eq@prelim\fi
6835 \setkeys{breqn}{#1}%
6836 \the\eqstyle
6837 \eq@setnumber
6838 \begingroup
6839 \eq@setup@a
6840 \eq@startup
6841 }
6842 \def\@dgroup[#1]{\ifRTL\@RTLfalse\fi%
6843 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6844 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6845 \global\let\GRP@label\@empty
6846 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6847 \global\grp@linewidth\z@\global\grp@wdNum\z@
6848 \global\let\grp@eqs@numbered\@False
6849 \global\let\grp@aligned\@True
6850 \global\let\grp@shiftnumber\@False
6851 \eq@prelim

```



```

6852 \setkeys{breqn}{#1}%
6853 \if\grp@hasNumber \grp@setnumber \fi
6854 }
6855 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6856 \let\display@setup\dseries@display@setup
6857 % Question: should this be the default for dseries???
6858 \global\eq@wdCond\z@
6859 \@dmath[layout={M},#1]%
6860 \mathsurround\z@ \math \penalty\@Mi
6861 \let\endmath\ends@math
6862 \def\premath{%
6863 \ifdim\lastskip<.3em \unskip
6864 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6865 }%
6866 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6867 \ignorespaces
6868 }
6869 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6870 \renewenvironment{dsuspend}{%
6871 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \parboxrestore
6872 \parshape 1 \displayindent \displaywidth\relax
6873 \hsize=\columnwidth \noindent\ignorespaces
6874 }{%
6875 \par\egroup
6876 \global\setbox\GRP@box\vbox{%
6877 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6878 \unvbox\GRP@box
6879 }%
6880 \global\GRP@queue\@xp{\the\GRP@queue
6881 \@elt{\let\eq@isIntertext\@True}}%
6882 }%
6883 }

```

35 File cals-xetex-bidi.def

```

6884 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6885 \renewcommand\cals@setup@alignment[1]{%
6886 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6887 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6888 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6889 }
6890 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6891 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6892 \if@RTLtab\cals@activate@rtl\fi
6893 \let\cals@thead@tokens=\relax
6894 \let\cals@tfoot@tokens=\relax
6895 \let\cals@tbody@tokens=\relax
6896 \cals@tfoot@height=Opt \relax
6897 \let\cals@last@context=n%
6898 \let\cals@current@context=b%

```




```

6899 \parindent=0pt \relax%
6900 \cals@setup@alignment{#1}%
6901 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsiz%
6902 %% Alignment inside is independent on center/flushright outside
6903 \parfillskip=0pt plus1fil\relax
6904 \let\cals@borderL=\relax
6905 \let\cals@borderR=\relax
6906 \let\cals@borderT=\relax
6907 \let\cals@borderB=\relax
6908 \setbox\cals@backup@row=\box\voidb@x\relax
6909 \cals@AtBeginTable
6910 }{% End of the table
6911 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6912 \renewcommand\alignL{%
6913 \if@RTLtab
6914 \cals@vfillAdd\cals@paddingL
6915 \else
6916 \cals@vfillDrop\cals@paddingL
6917 \fi
6918 \cals@vfillDrop\cals@paddingR}
6919 \renewcommand\alignR{%
6920 \if@RTLtab
6921 \cals@vfillDrop\cals@paddingL
6922 \else
6923 \cals@vfillAdd\cals@paddingL
6924 \fi
6925 \cals@vfillDrop\cals@paddingR}

```

36 File caption-xetex-bidi.def

```

6926 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
6927 \let\@makecaption\caption@makecaption

```

37 File caption3-xetex-bidi.def

```

6928 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6929 \renewcommand*\caption@par{%
6930 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

38 File colortbl-xetex-bidi.def

```

6931 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6932 \def\CT@setup{%
6933 \@tempdimb\col@sep
6934 \@tempdimc\col@sep
6935 \def\CT@color{%
6936 \global\let\CT@do@color\CT@do@color
6937 \bidicolor}}
6938 \def\@classz{\@classx
6939 \@tempcnta\count@

```



```

6940 \prepnext@tok
6941 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6942 \@addtopreamble{\if@RTLtab\beginL\fi%
6943 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6944 \ifcase \@chnum
6945 \hskip\stretch{.5}\kern\z@
6946 \d@llarbegin
6947 \insert@column
6948 \d@llarend\hskip\stretch{.5}\or
6949 \d@llarbegin \insert@column \d@llarend \hfill \or
6950 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6951 $\vcenter
6952 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6953 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6954 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6955 \fi
6956 \if@RTLtab\endR\fi\egroup\egroup
6957 \begingroup
6958 \CT@setup
6959 \CT@column@color
6960 \CT@row@color
6961 \CT@cell@color
6962 \CT@do@color
6963 \endgroup
6964 \@tempdima\ht\z@
6965 \advance\@tempdima\minrowclearance
6966 \vrule\@height\@tempdima\@width\z@
6967 \unhbox\z@\if@RTLtab\endL\fi}%
6968 \prepnext@tok}

```

39 File color-xetex-bidi.def

```

6969 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe3
6970 \long\def\color@b@x#1#2#3{%
6971 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6972 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6973 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6974 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6975 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6976 \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6977 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6978 \DeclareRobustCommand\color{%
6979 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6980 \def\@declaredcolor#1{%
6981 \@ifundefined{string\color @#1}%
6982 {\c@lor@error{`#1'}}%
6983 {\expandafter\let\expandafter\current@color
6984 \csname\string\color @#1\endcsname
6985 \set@color}%
6986 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

6987 \def\@undeclaredcolor[#1]#2{%
6988   \ifundefined{color@#1}%
6989     {\c@lor@error{model `#1'}}%
6990     {\csname color@#1\endcsname\current@color{#2}%
6991       \set@color}%
6992   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6993 \DeclareRobustCommand\bidicolor{%
6994   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6995 \def\@bidiundeclaredcolor[#1]#2{%
6996   \ifundefined{color@#1}%
6997     {\c@lor@error{model `#1'}}%
6998     {\csname color@#1\endcsname\current@color{#2}%
6999       \set@color}%
7000   \ignorespaces}
7001 \def\@bidideclaredcolor#1{%
7002   \ifundefined{\string\color @#1}%
7003     {\c@lor@error{`#1'}}%
7004     {\expandafter\let\expandafter\current@color
7005       \csname\string\color @#1\endcsname
7006       \set@color}%
7007   \ignorespaces}
7008 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7009 \def\color@fbox#1#2#3{%
7010   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
7011 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

40 File combine-xetex-bidi.def

```

7012 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
7013 \renewcommand{\c@ll@chapsecii}[2]{%
7014   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7015   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7016   #1\nobreak\hfil\nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7017 }
7018 \renewcommand{\c@ll@chapseci}{%
7019   \setlength\@tempdima{0em}%
7020   \begingroup
7021     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7022     \parfillskip -\@pnumwidth
7023     \leavevmode
7024 }
7025 \renewenvironment{tocindent}[1]{%
7026   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

41 File crop-xetex-bidi.def

```

7027 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7028 \renewcommand*\CROP@ulc{%
7029   \if@RTLmain%
7030     \begin{picture}(0,0)

```



```

7031         \unitlength\p@\thinlines
7032         \put(-40,0){\circle{10}}
7033         \put(-30,-5){\line(0,1){10}}
7034         \put(-35,0){\line(1,0){30}}
7035         \put(-10,30){\circle{10}}
7036         \put(-5,30){\line(1,0){10}}
7037         \put(0,35){\line(0,-1){30}}
7038     \end{picture}%
7039 \else%
7040     \begin{picture}(0,0)
7041         \unitlength\p@\thinlines
7042         \put(-30,0){\circle{10}}
7043         \put(-30,-5){\line(0,1){10}}
7044         \put(-35,0){\line(1,0){30}}
7045         \put(0,30){\circle{10}}
7046         \put(-5,30){\line(1,0){10}}
7047         \put(0,35){\line(0,-1){30}}
7048     \end{picture}%
7049 \fi%
7050 }
7051 \renewcommand*\CROP@@urc{%
7052     \if@RTLmain%
7053         \begin{picture}(0,0)
7054             \unitlength\p@\thinlines
7055             \put(20,0){\circle{10}}
7056             \put(30,-5){\line(0,1){10}}
7057             \put(35,0){\line(-1,0){30}}
7058             \put(-10,30){\circle{10}}
7059             \put(-5,30){\line(1,0){10}}
7060             \put(0,35){\line(0,-1){30}}
7061         \end{picture}%
7062     \else%
7063         \begin{picture}(0,0)
7064             \unitlength\p@\thinlines
7065             \put(30,0){\circle{10}}
7066             \put(30,-5){\line(0,1){10}}
7067             \put(35,0){\line(-1,0){30}}
7068             \put(0,30){\circle{10}}
7069             \put(-5,30){\line(1,0){10}}
7070             \put(0,35){\line(0,-1){30}}
7071         \end{picture}%
7072     \fi%
7073 }
7074 \renewcommand*\CROP@@llc{%
7075     \if@RTLmain%
7076         \begin{picture}(0,0)
7077             \unitlength\p@\thinlines
7078             \put(-40,0){\circle{10}}
7079             \put(-30,-5){\line(0,1){10}}
7080             \put(-35,0){\line(1,0){30}}

```



```

7081      \put(-10,-30){\circle{10}}
7082      \put(-5,-30){\line(1,0){10}}
7083      \put(0,-35){\line(0,1){30}}
7084      \end{picture}%
7085    \else%
7086      \begin{picture}(0,0)
7087        \unitlength\p@\thinlines
7088        \put(-30,0){\circle{10}}
7089        \put(-30,-5){\line(0,1){10}}
7090        \put(-35,0){\line(1,0){30}}
7091        \put(0,-30){\circle{10}}
7092        \put(-5,-30){\line(1,0){10}}
7093        \put(0,-35){\line(0,1){30}}
7094      \end{picture}%
7095      \fi%
7096    }
7097    \renewcommand*\CROP@lrc{%
7098      \if@RTLmain%
7099        \begin{picture}(0,0)
7100          \unitlength\p@\thinlines
7101          \put(20,0){\circle{10}}
7102          \put(30,-5){\line(0,1){10}}
7103          \put(35,0){\line(-1,0){30}}
7104          \put(-10,-30){\circle{10}}
7105          \put(-5,-30){\line(1,0){10}}
7106          \put(0,-35){\line(0,1){30}}
7107        \end{picture}%
7108      \else%
7109        \begin{picture}(0,0)
7110          \unitlength\p@\thinlines
7111          \put(30,0){\circle{10}}
7112          \put(30,-5){\line(0,1){10}}
7113          \put(35,0){\line(-1,0){30}}
7114          \put(0,-30){\circle{10}}
7115          \put(-5,-30){\line(1,0){10}}
7116          \put(0,-35){\line(0,1){30}}
7117        \end{picture}%
7118      \fi%
7119    }
7120    \ifpackagewith{crop}{cam}{%
7121      \CROP@execopt{cam}%
7122    }{}

```

42 File cutwin-xetex-bidi.def

```

7123 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X
7124 \renewcommand*\c@twcompctr}[2]{%
7125   \def\c@twfirst{1}
7126   \loop\advance\c@twwinlines\m@ne
7127   \setbox\c@twslicea=\vsplit#1 to\baselineskip

```



```

7128 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7129 \c@twprune{\c@twslicea}{\c@twlftside}%
7130 \c@twprune{\c@twsliceb}{\c@twrtside}%
7131 \ifnum\c@twfirst=\@ne
7132   \setbox#2=\vbox{\unvbox#2\hbox
7133     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7134 \else
7135   \setbox#2=\vbox{\unvbox#2\hbox
7136     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
7137 \fi
7138 \def\c@twfirst{2}
7139 \ifnum\c@twwinlines>\z@\repeat}
7140 \renewcommand*{\c@twcompodctr}[2]{%
7141   \def\c@twrounds{1}
7142   \def\c@twfirst{1}
7143   \@for\c@twlspec:=\c@twb\do{%
7144     \ifnum\c@twrounds=1
7145       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7146       \c@twprune{\c@twslicea}{\c@twlspec}%
7147       \def\c@twrounds{2}
7148     \else
7149       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7150       \c@twprune{\c@twsliceb}{\c@twlspec}%
7151       \ifnum\c@twfirst=1
7152         \setbox#2=\vbox{\unvbox#2\hbox
7153           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\bo
7154         \def\c@twfirst{2}
7155       \else
7156         \setbox#2=\vbox{\unvbox#2\hbox
7157           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7158       \fi
7159       \def\c@twrounds{1}
7160     \fi}}

```

43 File cuted-xetex-bidi.def

```

7161 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe
7162
7163 \def\RTL@outputdblcol{%
7164   \if@firstcolumn
7165     \global\@firstcolumnfalse
7166     \global\setbox\@leftcolumn\copy\@outputbox
7167     \splitmaxdepth\maxdimen
7168     \vbadness\maxdimen
7169     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7170     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7171     \toks@{\expandafter{\topmark}}%
7172     \xdef\@firstcoltopmark{\the\toks@}%
7173     \toks@{\expandafter{\splitfirstmark}}%
7174     \xdef\@firstcolfirstmark{\the\toks@}%

```



```

7175 \ifx\@firstcolfirstmark\@empty
7176 \global\let\@setmarks\relax
7177 \else
7178 \gdef\@setmarks{%
7179 \let\firstmark\@firstcolfirstmark
7180 \let\topmark\@firstcoltopmark}%
7181 \fi
7182 \else
7183 \global\@firstcolumntrue
7184 \setbox\@outputbox\vbox{%
7185 \hb@xt@\textwidth{%
7186 \hskip \columnwidth
7187 \hfil
7188 {\normalcolor\vrule \@width\columnseprule}%
7189 \hfil
7190 \hb@xt@\columnwidth{%
7191 \bidi@firstcolumn@status@write%
7192 \box\@leftcolumn \hss}%
7193 \hskip -\textwidth
7194 \hb@xt@\columnwidth{%
7195 \bidi@lastcolumn@status@write%
7196 \box\@outputbox \hss}%
7197 \hskip \columnsep
7198 \hskip \columnwidth }}%
7199 \ifvoid\hold@viper
7200 \else
7201 \setbox\@outputbox \vbox to\textheight{%
7202 \box\hold@viper
7203 \box\@outputbox
7204 \vss
7205 }%
7206 \fi
7207 \@combinedblfloats
7208 \@setmarks
7209 \@outputpage
7210 \beginngroup
7211 \@dblfloatplacement
7212 \@startdblcolumn
7213 \@whiles\if@fcolmade \fi{\@outputpage
7214 \@startdblcolumn}%
7215 \ifvoid\@viper
7216 \else
7217 \global\setbox\@viper\vbox{%
7218 \vskip-\stripsep
7219 \unvbox\@viper
7220 }%
7221 \@viperoutput
7222 \fi
7223 \endgroup
7224 \fi}%

```



```

7225
7226 \def\LTR@outputdblcol{%
7227   \if@firstcolumn
7228     \global\@firstcolumnfalse
7229     \global\setbox\@leftcolumn\copy\@outputbox
7230     \splitmaxdepth\maxdimen
7231     \vbadness\maxdimen
7232     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7233     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7234     \toks@\expandafter{\topmark}%
7235     \xdef\@firstcoltopmark{\the\toks@}%
7236     \toks@\expandafter{\splitfirstmark}%
7237     \xdef\@firstcolfirstmark{\the\toks@}%
7238     \ifx\@firstcolfirstmark\@empty
7239       \global\let\@setmarks\relax
7240     \else
7241       \gdef\@setmarks{%
7242         \let\firstmark\@firstcolfirstmark
7243         \let\topmark\@firstcoltopmark}%
7244     \fi
7245   \else
7246     \global\@firstcolumntrue
7247     \setbox\@outputbox\vbox{%
7248       \hb@xt@\textwidth{%
7249         \hb@xt@\columnwidth{%
7250           \bidi@firstcolumn@status@write%
7251           \box\@leftcolumn \hss}%
7252         \hfil
7253         {\normalcolor\vrule \@width\columnseprule}%
7254         \hfil
7255         \hb@xt@\columnwidth{%
7256           \bidi@lastcolumn@status@write%
7257           \box\@outputbox \hss}}}%
7258     \ifvoid\hold@viper
7259     \else
7260       \setbox\@outputbox \vbox to\textheight{%
7261         \box\hold@viper
7262         \box\@outputbox
7263         \vss
7264       }%
7265     \fi
7266   \@combinedblfloats
7267   \@setmarks
7268   \@outputpage
7269   \beginingroup
7270   \@dblfloatplacement
7271   \@startdblcolumn
7272   \@whiles\if@fcolmade \fi{\@outputpage
7273   \@startdblcolumn}%
7274   \ifvoid\@viper

```




```

7275 \else
7276 \global\setbox\@viper\vbox{%
7277 \vskip-\stripsep
7278 \unvbox\@viper
7279 }%
7280 \@viperoutput
7281 \fi
7282 \endgroup
7283 \fi}%
7284
7285
7286 \def \@addviper {%
7287 \if@firstcolumn
7288 \@insertfalse
7289 \@reqcolroom .5\@pageht
7290 \ht@viper\@reqcolroom
7291 \advance \@reqcolroom \ht\@viper
7292 \advance \@reqcolroom \stripsep
7293 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
7294 %%
7295 \@tempdimb \ht@viper
7296 \loop
7297 \setbox\v@aaa\copy\@holdpg
7298 \setbox\v@ccc\vbox to\@tempdimb{%
7299 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7300 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7301 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7302 \loop
7303 \setbox\v@aaa\copy\@holdpg
7304 \setbox\v@ccc\vbox to\@tempdimb{%
7305 \vsplit\v@aaa to\@tempdimb\vss}%
7306 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7307 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7308 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7309 \setbox\v@ccc\vbox to\@tempdimb{%
7310 \vsplit\@holdpg to\@tempdimb\vss}%
7311 %%
7312 \setbox\@tempboxa \vbox {%
7313 \hb@xt@\textwidth {%
7314 \if@RTLmain%
7315 \hskip \columnwidth
7316 \hfil \vrule width\columnseprule \hfil
7317 \hb@xt@\columnwidth {%
7318 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7319 \hskip -\textwidth
7320 \hb@xt@\columnwidth {%
7321 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7322 \hskip \columnsep
7323 \hskip \columnwidth
7324 \else%

```



```

7325         \hb@xt@\columnwidth {%
7326             \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7327             \hfil
7328             \vrule \@width\columnseprule
7329             \hfil
7330             \hb@xt@\columnwidth {%
7331                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7332                 \fi}%
7333             }%
7334 \ifvoid\hold@viper
7335     \global\setbox\hold@viper \vbox {%
7336         \unvbox\@tempboxa
7337         \penalty\interlinepenalty
7338         \vskip\stripsep
7339         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7340         \outputpenalty \z@
7341     }%
7342 \else
7343     \global\setbox\hold@viper \vbox {%
7344         \unvbox\hold@viper
7345         \unvbox\@tempboxa
7346         \penalty\interlinepenalty
7347         \vskip\stripsep
7348         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7349         \outputpenalty \z@
7350     }%
7351 \fi
7352 \ifdim \@colroom>\@reqcolroom
7353     \global\setbox\hold@viper \vbox {%
7354         \unvbox\hold@viper
7355         \box\@viper
7356         \penalty\interlinepenalty
7357         \vskip\stripsep
7358         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7359         \outputpenalty \z@
7360     }%
7361 \@inserttrue
7362 \advance\@tempdima by-\ht\hold@viper
7363 \global \advance \@colht \@tempdima
7364 \ifdim \@colht<2.5\baselineskip
7365     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7366         too tall on page \thepage (1 stulpelis)}%
7367     \@emptycol
7368     \if@firstcolumn
7369     \else
7370         \@emptycol
7371     \fi
7372     \global\@lastvipertrue
7373 \else
7374     \global \vsize \@colht

```



```

7375         \global \@colroom \@colht
7376         \check@floats
7377         \ifdim \@tempdima > \z@
7378             \global \advance \@colroom by -\@tempdima
7379         \fi
7380         \ifdim \@colroom < \z@
7381             \global \@colroom 1pt
7382             \ifdim \@tempdima > \@colht
7383                 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7384                     netelpa lape \thepage (1 stulpelis)}%
7385             \fi
7386             \@emptycol
7387             \if@firstcolumn
7388                 \else
7389                     \@emptycol
7390             \fi
7391             \global \@lastvipertrue
7392         \fi
7393     \fi
7394 \fi
7395 \else
7396     \@insertfalse
7397     \@reqcolroom \@colht
7398     \advance \@reqcolroom \@pageht
7399     \ht@viper .5 \@reqcolroom
7400     \@reqcolroom \ht@viper
7401     \advance \@reqcolroom \ht@viper
7402     \advance \@reqcolroom \stripsep
7403     \if@flushend@auto@baselineskip
7404         \setbox \@tempboxa \vbox {\unvcopy \@leftcolumn
7405             \global \lastskip@d \lastskip
7406             \global \lastskip@b \lastskip
7407         \loop
7408             \global \lastskip@a \lastskip@b
7409             \unskip \unpenalty
7410             \global \lastskip@b \lastskip
7411             \global \advance \lastskip@d by \lastskip
7412         \ifdim \lastskip@b = -\lastskip@a
7413             \global \advance \lastskip@d by -\lastskip
7414         \else
7415             \repeat
7416         \ifdim \lastskip@b = -\lastskip@a
7417             \ifdim \lastskip@b = \z@
7418                 \setbox \lastbox@a \lastbox
7419                 \global \advance \lastskip@d by \ht \lastbox@a
7420                 \global \advance \lastskip@d by \lastskip
7421                 \unskip \unpenalty
7422                 \setbox \lastbox@a \lastbox
7423                 \global \advance \lastskip@d by \dp \lastbox@a
7424             \else

```



```

7425         \global\lastskip@d\lastskip
7426         \global\advance\lastskip@d by\topskip
7427     \fi
7428 \fi
7429     \global\advance\lastskip@d by-\topskip
7430 }%
7431 \ifdim\ht\@holdpg>\@colht
7432     \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7433     \par\eject
7434     \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7435 }%
7436 \else
7437     \global\setbox\@holdpg\vbox{%
7438     \unvbox\@leftcolumn\unskip\unpenalty
7439     \vskip\lastskip@d
7440     \the\At@ViperColsBreak
7441     \unvbox\@holdpg
7442     \unskip
7443     }%
7444 \fi
7445 \else
7446     \global\setbox\@holdpg\vbox{%
7447         \unvbox\@leftcolumn
7448         \setbox\@tempboxa\lastbox
7449         \on@stripcols@break
7450         \the\At@ViperColsBreak
7451         \unvbox\@holdpg
7452     }%
7453 \fi
7454 \global\At@ViperColsBreak{}}%
7455 \ht@viper .5\ht\@holdpg
7456 \ifdim \ht@viper>\@colht
7457     \ht@viper \@colht
7458 \fi
7459 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7460 %%
7461 \@tempdimb \ht@viper
7462 \loop
7463     \setbox\v@aaa\copy\@holdpg
7464     \setbox\v@ccc\vbox to\@tempdimb{%
7465         \vsplit\v@aaa to\@tempdimb
7466         \vss
7467         \vsplit\v@aaa to\@tempdimb
7468     }%
7469     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7470 \ifvoid\v@aaa
7471 \else
7472     \advance\@tempdimb 1\p@
7473 \repeat
7474 \loop

```



```

7475 \setbox\v@aaa\copy\@holdpg
7476 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7477 \wlog{(2)Left:\the\ht\v@ccc\space
7478 Right:\the\ht\v@aaa\space
7479 Output:\the\@tempdimb
7480 }%
7481 \ifdim\ht\v@ccc<\ht\v@aaa
7482 \@tempdimb \the\ht\v@aaa
7483 \repeat
7484 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7485 ^^JRight:\the\ht\v@aaa
7486 ^^JOutput:\the\@tempdimb
7487 }%
7488 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7489 \setbox\@tempboxa\vbox{%
7490 \hb@xt@\textwidth {%
7491 \if@RTLmain%
7492 \hskip \columnwidth
7493 \hfil \vrule width\columnseprule \hfil
7494 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7495 \hskip -\textwidth
7496 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7497 \hskip \columnsep
7498 \hskip \columnwidth
7499 \else
7500 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7501 \hfil
7502 \vrule \@width\columnseprule
7503 \hfil
7504 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7505 \fi%
7506 }%
7507 }%
7508 \ifvoid\hold@viper
7509 \global\setbox\hold@viper \vbox {%
7510 \unvbox\@tempboxa
7511 \penalty\interlinepenalty
7512 \vskip\stripsep
7513 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7514 \outputpenalty \z@
7515 }%
7516 \else
7517 \global\setbox\hold@viper \vbox {%
7518 \unvbox\hold@viper
7519 \unvbox\@tempboxa
7520 \penalty\interlinepenalty
7521 \vskip\stripsep
7522 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7523 \outputpenalty \z@
7524 }%

```



```

7525 \fi
7526 \ifdim \@colht>\@reqcolroom
7527 \global\setbox\hold@viper \vbox {%
7528 \unvbox\hold@viper
7529 \box\@viper
7530 \penalty\interlinepenalty
7531 \vskip\stripsep
7532 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7533 \outputpenalty \z@
7534 }%
7535 \@inserttrue
7536 \global\@firstcolumntrue
7537 \advance\@tempdima by-\ht\hold@viper
7538 \global \advance \@colht \@tempdima
7539 \ifdim \@colht<2.5\baselineskip
7540 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7541 too tall on page \thepage (2 stulpelis)}%
7542 \emptycol
7543 \if@firstcolumn
7544 \else
7545 \emptycol
7546 \fi
7547 \global\@lastvipertrue
7548 \else
7549 \global \vsize \@colht
7550 \global \@colroom \@colht
7551 \check@floats
7552 \ifdim\@tempdima>\z@
7553 \global\advance\@colroom by-\@tempdima
7554 \fi
7555 \ifdim\@colroom<\z@
7556 \global\@colroom 1pt
7557 \ifdim\@tempdima>\@colht
7558 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7559 netelpe lape \thepage (2 stulpelis)}%
7560 \fi
7561 \emptycol
7562 \if@firstcolumn
7563 \else
7564 \emptycol
7565 \fi
7566 \global\@lastvipertrue
7567 \fi
7568 \fi
7569 \fi
7570 \fi
7571 \if@insert
7572 \else
7573 \advance\@tempdima by-\ht\hold@viper
7574 \global \advance \@colht \@tempdima

```



```

7575     \global\setbox\hold@viper \vbox {%
7576                                     \unvbox\hold@viper
7577                                     \csname viper@top@hook\endcsname
7578                                     \vsplit\@viper to \colht
7579                                     \vss
7580                                     }%
7581     \vbox{}%
7582     \global\@firstcolumnfalse
7583     \newpage
7584 \fi
7585 }

```

44 File cvthemebidicasual.sty

```

7586 \NeedsTeXFormat{LaTeX2e}
7587 \ProvidesPackage{cvthemebidicasual}
7588 \DeclareOption{blue}{}
7589 \newif\if@colourorange\@colourorangefalse
7590 \DeclareOption{orange}{\@colourorangetrue}
7591 \newif\if@colourgreen\@colourgreenfalse
7592 \DeclareOption{green}{\@colourgreentrue}
7593 \newif\if@colourred\@colourredfalse
7594 \DeclareOption{red}{\@colourredtrue}
7595 \newif\if@colourgrey\@colourgreyfalse
7596 \DeclareOption{grey}{\@colourgreytrue}
7597 \DeclareOption*{
7598   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7599 \ExecuteOptions{colour}
7600 \ProcessOptions\relax
7601 \renewcommand*{\listitemsymbol}{\textbullet}
7602 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7603 \familynamecolour{808080}
7604 \firstnamecolour{A9A9A9}
7605 \quotecolour{696969}
7606 \addresscolour{696969}
7607 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7608 \sectiontitlecolour{1E90FF}
7609 \subsectioncolour{4682B4}
7610 \definecolor{rulecolour}{gray}{0.6}
7611 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7612 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7613 \if@colourorange
7614   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7615   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7616   \sectiontitlecolour{FF8C00}
7617   \subsectioncolour{FF8C00}
7618   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7619   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7620 \if@colourgreen
7621   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}

```



```

7622 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7623 \sectiontitlecolour{008000}
7624 \subsectioncolour{008000}
7625 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7626 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7627 \if@coloured
7628 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7629 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7630 \sectiontitlecolour{FF0000}
7631 \subsectioncolour{FF0000}
7632 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7633 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7634 \if@colourgrey
7635 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7636 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7637 \sectiontitlecolour{808080}
7638 \subsectioncolour{808080}
7639 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7640 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7641 \renewcommand*{\ttdefault}{pcr}
7642 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7643 \renewcommand*{\familynamefont}{\firstnamefont}
7644 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7645 \renewcommand*{\quoteontext}{\large\slshape}
7646 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7647 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7648 \renewcommand*{\maketitle}{%
7649   {%
7650     \ifthenelse{\isundefined{\@photo}}{%
7651       {}%
7652       {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
7653       \hfill%
7654       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7655       {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7656     \ifthenelse{\isundefined{\@quote}}{%
7657       {}%
7658       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7659     }%
7660 \newif\if@firstfooterelement\@firstfooterelementtrue
7661 \providecommand*{\footersymbol}{%
7662 \renewcommand*{\footersymbol}{%
7663   \if@firstfooterelement%
7664   \else%
7665     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7666 \providecommand*{\makefooter}{%
7667 \renewcommand*{\makefooter}{%
7668   \fancypagestyle{plain}{%
7669     \fancyfoot[c]{%
7670       \parbox{0.8\textwidth}{%
7671         \centering%

```




```

7672 \addressfont\@addresscolour%
7673 \ifthenelse{\isundefined{\@address}}{\}{\%
7674 \addresssymbol~\@address\%
7675 \@firstfooterelementfalse}%
7676 \ifthenelse{\isundefined{\@mobile}}{\}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7677 \ifthenelse{\isundefined{\@phone}}{\}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7678 \ifthenelse{\isundefined{\@fax}}{\}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7679 \ifthenelse{\isundefined{\@email}}{\}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7680 \ifthenelse{\isundefined{\@extrainfo}}{\}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7681 }%
7682 \pagestyle{plain}}
7683 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7684 \NeedsTeXFormat{LaTeX2e}
7685 \ProvidesPackage{cvthemebidiclassic}
7686 \DeclareOption{blue}{\}
7687 \newif\if@colourorange\@colourorangefalse
7688 \DeclareOption{orange}{\@colourorange>true}
7689 \newif\if@colourgreen\@colourgreenfalse
7690 \DeclareOption{green}{\@colourgreen>true}
7691 \newif\if@colouredred\@colouredredfalse
7692 \DeclareOption{red}{\@colouredred>true}
7693 \newif\if@colourgrey\@colourgreyfalse
7694 \DeclareOption{grey}{\@colourgrey>true}
7695 \DeclareOption*{
7696 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7697 \ExecuteOptions{colour}
7698 \ProcessOptions\relax
7699 \renewcommand*{\listitemsymbol}{\textbullet}
7700 \firstnamecolour{}
7701 \familynamecolour{}
7702 \titlecolour{808080}
7703 \quotecolour{696969}
7704 \addresscolour{696969}
7705 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7706 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7707 \sectiontitlecolour{1E90FF}
7708 \subsectioncolour{4682B4}
7709 \if@colourorange
7710 \addresscolour{FF8C00}
7711 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7712 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7713 \sectiontitlecolour{FF8C00}
7714 \subsectioncolour{FF8C00}\fi
7715 \if@colourgreen
7716 \addresscolour{008000}
7717 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7718 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}

```



```

7719 \sectiontitlecolour{008000}
7720 \subsectioncolour{008000}\fi
7721 \if@colourred
7722 \addresscolour{FF0000}
7723 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7724 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7725 \sectiontitlecolour{FF0000}
7726 \subsectioncolour{FF0000}\fi
7727 \if@colourgrey
7728 \addresscolour{808080}
7729 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7730 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7731 \sectiontitlecolour{808080}
7732 \subsectioncolour{808080}\fi
7733 \renewcommand*{\ttdefault}{pcr}
7734 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7735 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7736 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7737 \renewcommand*{\familynamefont}{\firstnamefont}
7738 \renewcommand*{\quoteont}{\large\slshape}
7739 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7740 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7741 \newlength{\maketitlemaxwidth}
7742 \setlength{\maketitlemaxwidth}{.525\textwidth}
7743 \newlength{\maketitlefullwidth}
7744 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7745 \newlength{\maketitlewidth}
7746 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}\fi
7747 \newlength{\maketitlepicturewidth}
7748 \setlength{\maketitlepicturewidth}{\@photowidth}
7749 \newlength{\maketitledetailwidth}
7750 \renewcommand*{\recomputethemelengths}{%
7751 \setlength{\maketitledetailwidth}{\textwidth}%
7752 \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
7753 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7754 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7755 \recomputethemelengths
7756 \newif\if@firstdetailselement\@firstdetailselementtrue
7757 \newcommand*{\maketitledetailsnewline}{%
7758 \if@firstdetailselement%
7759 \@firstdetailselementfalse%
7760 \else%
7761 \[.2em]\fi}
7762 \renewcommand*{\maketitle}{%
7763 % name and title
7764 \begin{minipage}[b]{\maketitlewidth}%
7765 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7766 \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}
7767 \end{minipage}%
7768 % optional data

```



```

7769 \begin{minipage}[b]{\maketitledetailswidth}%
7770 \bidi@raggedleft\addressfont\@addresscolour%
7771 \ifthenelse{\isundefined{\@address}}{}{%
7772 \maketitledetailsnewline%
7773 \addresssymbol~\\ \@address}%
7774 \ifthenelse{\isundefined{\@mobile}}{}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7775 \ifthenelse{\isundefined{\@phone}}{}{\maketitledetailsnewline\phonesymbol~\@phone}%
7776 \ifthenelse{\isundefined{\@fax}}{}{\maketitledetailsnewline\faxsymbol~\@fax}%
7777 \ifthenelse{\isundefined{\@email}}{}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
7778 \ifthenelse{\isundefined{\@extrainfo}}{}{\maketitledetailsnewline\@extrainfo}%
7779 \end{minipage}%
7780 % optional photo
7781 \ifthenelse{\isundefined{\@photo}}%
7782 {}%
7783 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitledetailswidth]{\@photo}}}%
7784 % optional quote
7785 \ifthenelse{\isundefined{\@quote}}%
7786 {}%
7787 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\\[2ex]}
7788 }

```

46 File dblfnote-xetex-bidi.def

```

7789 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7790 \let\autofootnoterule\relax
7791 \let\rightfootnoterule\relax
7792 \let\leftfootnoterule\relax
7793 \let\textwidthfootnoterule\relax
7794 \let\LRfootnoterule\relax
7795 \def\footnoterule{\kern-3\p@
7796 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7797 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7798 \let\@footnotetext\dfn@footnotetext}
7799 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7800 \let\insert\dfn@gobble
7801 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7802 \def\@makefnmark{\smash{\dfn@makefnmark}}
7803 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7804 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7805 \ifdim\dfn@dima>\z@ \else
7806 \dfn@dima\sp\relax
7807 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7808 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7809 \ifvoid\dfn@ins\else
7810 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7811 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7812 \setbox\dfn@boxa\copy\dfn@ins
7813 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7814 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7815 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb

```



```

7816 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7817 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7818 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7819 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7820 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7821 \let\insert\dfn@gobble
7822 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7823 \def\@makefnmark{\smash{\dfn@makefnmark}}
7824 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7825 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7826 \ifdim\dfn@dima>\z@\else
7827 \dfn@dima\sp\relax
7828 \setbox\dfn@boxa\vbox{\vbox to\sp{\unvbox\dfn@boxa\vfil}}\fi
7829 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7830 \ifvoid\dfn@ins\else
7831 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7832 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7833 \setbox\dfn@boxa\copy\dfn@ins
7834 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7835 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7836 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7837 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7838 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7839 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7840 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7841 \def\dfn@RTLmakecol{\ifvoid\footins\else
7842 \dfn@dima\ht\footins
7843 \@tempcnta\z@ \dfn@countins
7844 \@tempdima\z@ \let\@elt\dfn@elt@getht
7845 \dfn@list\@nil
7846 \ifdim\@tempdima=\z@\else
7847 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7848 \global\setbox\dfn@ins\box\dfn@ins
7849 \@tempswatrue
7850 \ifdfn@trysingle
7851 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7852 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7853 \advance\@tempdima-\skip\footins
7854 \advance\@tempdima-\ht\dfn@boxa
7855 \ifdim\@tempdima<\z@\else \@tempswafalse
7856 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7857 \footnoterule \unvbox\dfn@boxa}\fi\fi
7858 \if@tempswa
7859 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7860 \global\setbox\footins\vbox{\hbox{%
7861 \hskip \DFNcolumnwidth
7862 \hskip\DFNcolumnsep
7863 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7864 \unvbox\dfn@boxb\vss}\hss}
7865 \hskip -\textwidth

```



```

7866         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7867             \vbox to\@tempdima{
7868                 \setbox\@tempboxa\vbox{\footnoterule}
7869                 \ifdfn@ruleboth \unvbox\@tempboxa
7870                 \else \@tempdima\ht\@tempboxa
7871                     \advance\@tempdima\dp\@tempboxa
7872                     \vskip\@tempdima
7873                     \prevdepth\dp\@tempboxa \fi
7874                 \unvbox\dfn@boxa\vss}\fi\hss}
7875                 \hskip \DFNcolumnsep
7876                 \hskip \DFNcolumnwidth}}\fi\fi
7877 \global\dfn@fnht\z@
7878 \ifx\dfn@list\@empty\else
7879     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7880     \dfn@list \global\advance\dfn@fnht\dfn@dimb
7881     \let\@elt\relax
7882     \ifdim\dfn@dimb>\z@
7883         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7884         \insert\footins{\floatingpenalty\@MM
7885             \vbox to\dfn@dimb{}}\fi
7886     \ifdim\dfn@fnht>\@tempdima
7887         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7888         \global\dfn@fnht\@tempdima
7889         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7890         \xdef\dfn@afteroutput{\insert\footins{
7891             \floatingpenalty\@MM
7892             \vbox to\number\@tempdimb sp{}}}%
7893         \global\let\noexpand\dfn@afteroutput\relax}%
7894     \fi\fi
7895 \fi}%
7896 \let\footnoterule\relax \dfn@latex@makecol
7897 \let\footnoterule\dfn@footnoterule}
7898 \def\dfn@LTRmakecol{\ifvoid\footins\else
7899     \dfn@dima\ht\footins
7900     \@tempcnta\z@ \dfn@countins
7901     \@tempdima\z@ \let\@elt\dfn@elt@getht
7902     \dfn@list\@nil
7903     \ifdim\@tempdima=\z@\else
7904         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7905         \global\setbox\dfn@ins\box\dfn@ins
7906         \@tempswatrue
7907     \ifdfn@trysingle
7908         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7909         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7910         \advance\@tempdima-\skip\footins
7911         \advance\@tempdima-\ht\dfn@boxa
7912         \ifdim\@tempdima<\z@\else \@tempswafalse
7913             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7914                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7915 \if@tempswa

```



```

7916 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7917 \global\setbox\footins\vbox{\hbox{%
7918 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7919 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7920 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7921 \vbox to\@tempdima{
7922 \setbox\@tempboxa\vbox{\footnoterule}
7923 \ifdfn@ruleboth \unvbox\@tempboxa
7924 \else \@tempdima\ht\@tempboxa
7925 \advance\@tempdima\dp\@tempboxa
7926 \vskip\@tempdima
7927 \prevdepth\dp\@tempboxa \fi
7928 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7929 \global\dfn@fnht\z@
7930 \ifx\dfn@list\@empty\else
7931 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7932 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7933 \let\@elt\relax
7934 \ifdim\dfn@dimb>\z@
7935 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7936 \insert\footins{\floatingpenalty\@MM
7937 \vbox to\dfn@dimb{}}\fi
7938 \ifdim\dfn@fnht>\@tempdima
7939 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7940 \global\dfn@fnht\@tempdima
7941 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7942 \xdef\dfn@afteroutput{\insert\footins{
7943 \floatingpenalty\@MM
7944 \vbox to\number\@tempdimb sp{}}}%
7945 \global\let\noexpand\dfn@afteroutput\relax}%
7946 \fi\fi
7947 \fi}%
7948 \let\footnoterule\relax \dfn@latex@makecol
7949 \let\footnoterule\dfn@footnoterule}
7950 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7951 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7952 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7953 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7954 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7955 \bidi@patchcmd{\diagbox@double}{%
7956 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7957 }{\bidi@@diagbox@double@ii}{-}{-}
7958 \bidi@patchcmd{\diagbox@double}{%
7959 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7960 }{\bidi@@diagbox@double@iii}{-}{-}
7961 \newcommand*{\bidi@@diagbox@double@ii}{%
7962 \if@RTL

```



```

7963 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
7964 \else
7965 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7966 \fi
7967 }
7968 \newcommand*{\bidi@diagbox@double@iii}{%
7969 \if@RTL
7970 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7971 \else
7972 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7973 \fi
7974 }
7975 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7976 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7977 }{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7978 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7979 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7980 }{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7981 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7982 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7983 }{\bidi@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
7984 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{%
7985 \if@RTL
7986 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
7987 \else
7988 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7989 \fi}
7990 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@iii}{%
7991 \if@RTL
7992 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7993 \else
7994 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7995 \fi}
7996 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
7997 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7998 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7999 }{\bidi@diagbox@triple@setbox@SE@tabular@i}{-}{-}
8000 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8001 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}%
8002 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8003 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8004 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}%
8005 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8006 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@i}{%
8007 \if@RTL
8008 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
8009 \else
8010 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8011 \fi
8012 }

```



```

8013 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8014   \if@RTL
8015     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8016   \else
8017     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
8018   \fi
8019 }
8020 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8021 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8022   \diagbox@setlinecolor
8023   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8024 }{%
8025   {\diagbox@setlinecolor
8026     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8027 }{}{}
8028 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8029 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8030   \diagbox@setlinecolor
8031   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8032 }{%
8033   {\diagbox@setlinecolor
8034     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8035 }{}{}
8036 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8037 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8038   \diagbox@setlinecolor
8039   \Line(0,\yym)(\x,0)
8040   \Line(\xm,\y)(\x,0)%
8041 }{%
8042   {\diagbox@setlinecolor
8043     \Line(0,\yym)(\x,0)
8044     \Line(\xm,\y)(\x,0)}%
8045 }{}{}
8046 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8047   \diagbox@setlinecolor
8048   \Line(0,0)(\xxm,\y)
8049   \Line(0,0)(\x,\yym)%
8050 }{%
8051   {\diagbox@setlinecolor
8052     \Line(0,0)(\xxm,\y)
8053     \Line(0,0)(\x,\yym)}%
8054 }{}{}
8055 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8056   \diagbox@setlinecolor
8057   \Line(0,\ym)(\x,\y)
8058   \Line(\xm,0)(\x,\y)%
8059 }{%
8060   {\diagbox@setlinecolor
8061     \Line(0,\ym)(\x,\y)
8062     \Line(\xm,0)(\x,\y)}%

```




```

8063 }{}{}
8064 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8065   \diagbox@setlinecolor
8066   \Line(0,\y)(\xxm,0)
8067   \Line(0,\y)(\x,\ym)%
8068 }{%
8069   {\diagbox@setlinecolor
8070     \Line(0,\y)(\xxm,0)
8071     \Line(0,\y)(\x,\ym)}%
8072 }{}{}

```

48 File draftwatermark-xetex-bidi.def

```

8073 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8074 \renewcommand\SetWatermarkText[1]{%
8075   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

49 File eso-pic-xetex-bidi.def

```

8076 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8077 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8078   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
8079 }
8080 \ESO@isMEMOIR{%
8081   \renewcommand\AtTextUpperLeft[1]{%
8082     \begingroup
8083       \ifodd\c@page
8084         \@tempdima=\spinemargin
8085       \else
8086         \@tempdima=\paperwidth
8087         \advance\@tempdima-\textwidth
8088         \advance\@tempdima-\spinemargin
8089       \fi
8090       \@tempdimb=-\uppermargin
8091       \AtPageUpperLeft{%
8092         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8093       }%
8094     \endgroup
8095   }
8096 }{%
8097   \renewcommand\AtTextUpperLeft[1]{%
8098     \begingroup
8099       \@tempdima=1in\relax
8100       \ifodd\c@page
8101         \advance\@tempdima\oddsidemargin
8102       \else
8103         \advance\@tempdima\evensidemargin
8104       \fi
8105       \@tempdimb=-1in\relax
8106       \advance\@tempdimb-\topmargin

```



```

8107      \advance\@tempdimb-\headheight
8108      \advance\@tempdimb-\headsep
8109      \AtPageUpperLeft{%
8110        \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8111      }%
8112      \endgroup
8113    }
8114 }

```

50 File empheq-xetex-bidi.def

```

8115 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8116 \MHInternalSyntaxOn
8117 \def\EQ_tag_plus_endmark:{%
8118   \iftagsleft@
8119     \gdef\maketag@@@##1{%
8120       \hfuzz\displaywidth
8121       \if@RTL\makebox[\widthof{##1}][r]{%
8122         \hbox to \displaywidth{\m@th\normalfont##1\hss
8123           \raisebox{-\dp\EQ_mathdisplay_box
8124             -\depthof{\EQ_outerbox:}}{
8125             {\PotEndMark{\hss}}}}
8126       \else\makebox[\widthof{##1}][l]{%
8127         \hbox to \displaywidth{\m@th\normalfont##1\hss
8128           \raisebox{-\dp\EQ_mathdisplay_box
8129             -\depthof{\EQ_outerbox:}}{
8130             {\PotEndMark{\hss}}}}\fi}%
8131   \MH_else:
8132     \gdef\maketag@@@##1{%
8133       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
8134         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8135       \MH_addtolength:dn \@tempdima
8136         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8137       \setlength{\@tempdimb}
8138         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8139         +\depthof{\EQ_innerbox:}}}}
8140     \MH_if_dim:w \@tempdima>\@tempdimb
8141     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8142       -\@tempdima+\g_EQ_bottomrow_depth_dim}
8143     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8144     \def\EQ_next:{\raisebox{\@tempdima}}%
8145     \MH_else:
8146     \def\EQ_next:{
8147       \raisebox{-\dp\EQ_mathdisplay_box
8148         -\depthof{\EQ_outerbox:}}}%
8149     \MH_fi:\EQ_next:}}}%
8150 \MH_fi:}
8151 \def\EQ_post_process:{%
8152   \EQ_initialize:
8153   \EQ_begin_equation:

```



```

8154 \MH_if_boolean:nT {outer_mult}{
8155   \setkeys{\MT_options_name:}{
8156     firstline-afterskip=0pt,
8157     lastline-preskip=0pt,
8158     multlined-width=0pt,
8159   }
8160   \ifodd \l_EQ_alignmentmode_int
8161     \setkeys{\MT_options_name:}{multlined-pos=b}
8162   \MH_else:
8163     \setkeys{\MT_options_name:}{multlined-pos=t}
8164   \MH_fi:
8165   \g@addto@macro\EQ_complete_mathdisplay:{
8166     \begin{MTmultlined}\relax}
8167 }
8168 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8169 \MH_if_boolean:nT {outer_mult}{
8170   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8171 }
8172 \EQ_end_equation:
8173 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8174 \savecounters@
8175 \EQ_typeset_tags:
8176 \edef\l_EQ_equation_fint{\number\c@equation}
8177 \restorecounters@
8178 \Hy@linkcounter=\EQ_hyperref_link_fint
8179 \settowidth\l_EQ_totalwidth_dim{%
8180   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8181 \MH_if_boolean:nTF {outer_mult}
8182 { \def\EQ_next:{_mult} }
8183 { \def\EQ_next:{} }
8184 \@nameuse{EQ_modify_linewidth_
8185   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8186 \EQ_typeset_display:
8187 \@nameuse{EQ_find_displaywidth_
8188   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8189 \MH_addtolength:dn
8190 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8191 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8192   $\EQ_left_side:
8193   \EQ_innerbox:{%
8194     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8195     \makebox[\l_EQ_displaywidth_dim][c]
8196     {\usebox{\EQ_mathdisplay_box}}%
8197   \MH_or:
8198     \makebox[\l_EQ_displaywidth_dim][c]
8199     {\usebox{\EQ_mathdisplay_box}}%
8200   \MH_or:
8201     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8202       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8203         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:

```



```

8204         \kern-\@mathmargin
8205         \MH_fi:
8206         \MH_fi:
8207         \usebox{\EQ_mathdisplay_box}}%
8208     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8209         \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8210         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8211         \kern-\@mathmargin
8212         \MH_fi:
8213         \MH_fi:
8214         \usebox{\EQ_mathdisplay_box}}\fi%
8215 \MH_or:
8216 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8217     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8218     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8219     \kern-\@mathmargin
8220     \MH_fi:
8221     \MH_fi:
8222     \usebox{\EQ_mathdisplay_box}}
8223 \else\makebox[\l_EQ_displaywidth_dim][l]{%
8224     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8225     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8226     \kern-\@mathmargin
8227     \MH_fi:
8228     \MH_fi:
8229     \usebox{\EQ_mathdisplay_box}}\fi%
8230 \MH_fi:}%
8231 \EQ_right_side:$}%
8232 \begin{AmSequation*}
8233 \@nameuse{EQ_place_display_
8234     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8235 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8236 \MH_set_boolean_T:n {show_manual_tags}
8237 \MH_if_case:w \l_EQ_alignmentmode_int
8238 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8239 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8240 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
8241 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
8242 \MH_fi:
8243 \MH_fi:
8244 \end{AmSequation*}
8245 \global\c@equation=\l_EQ_equation_fint\relax
8246 }
8247 \AtBeginDocument{%
8248     \ifpackageloaded{fancybox}{%
8249         \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8250         {\renewcommand*{textcolor[2]{\normalcolor{#2}}}%
8251         \renewcommand*{shadowbox{%
8252             \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8253             \VerbBox\EQ_shadowbox:n}

```



```

8254         {\MH_set_boolean_F:n {shadowbox_star}
8255          \VerbBox\EQ_shadowbox:n}}
8256 \def\EQ_shadowbox:n #1{%
8257   \sbox{\z@}{\fbox{#1}}%
8258   \MH_if_boolean:nTF {shadowbox_star}{
8259     \MH_setlength:dn \@tempdima{\z@}%
8260   }{
8261     \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8262   }
8263   \raisebox{\@tempdima}{%
8264     \if@RTL\makebox[\z@][r]{%
8265       \kern\shadowsize \textcolor{shadowcolor}{%
8266         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8267     }%
8268     \else\makebox[\z@][l]{%
8269       \kern\shadowsize \textcolor{shadowcolor}{%
8270         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8271     }\fi%
8272     \usebox\z@\textcolor{shadowcolor}{%
8273       \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8274   }{}%
8275 }
8276 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def

```

8277 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8278 \renewcommand*\l@section[2]{%
8279   \ifnum \c@tocdepth >\z@
8280     \addpenalty\@secpenalty
8281     \addvspace{1.0em \@plus\p@}%
8282     \setlength\@tempdima{1.5em}%
8283     \begingroup
8284       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8285       \parfillskip -\@pnumwidth
8286       \leavevmode \bfseries
8287       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8288       \hskip -\if@RTL\rightskip\else\leftskip\fi
8289       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8290     \endgroup
8291   \fi}
8292 \renewcommand*\l@part[2]{%
8293   \ifnum \c@tocdepth >-2\relax
8294     \addpenalty\@secpenalty
8295     \addvspace{2.25em \@plus\p@}%
8296     \begingroup
8297       \setlength\@tempdima{3em}%
8298       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8299       \parfillskip -\@pnumwidth
8300     {\leavevmode

```



```

8301      \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8302      \nobreak
8303    \endgroup
8304  \fi}
8305  \def\@part[#1]#2{%
8306    \ifnum \c@secnumdepth >\m@ne
8307      \refstepcounter{part}%
8308      \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8309    \else
8310      \addcontentsline{toc}{part}{#1}%
8311    \fi
8312    {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8313     \interlinepenalty \@M
8314     \normalfont
8315     \ifnum \c@secnumdepth >\m@ne
8316       \Large\bfseries \partname~\thepart
8317       \par\nobreak
8318     \fi
8319     \huge \bfseries #2%
8320     \markboth{}{}\par}%
8321    \nobreak
8322    \vskip 3ex
8323    \@afterheading}
8324  \def\@spart#1{%
8325    {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8326     \interlinepenalty \@M
8327     \normalfont
8328     \huge \bfseries #1\par}%
8329    \nobreak
8330    \vskip 3ex
8331    \@afterheading}
8332  \renewenvironment{thebibliography}[1]
8333    {\section*{\refname
8334      \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8335      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8336      \bidi@thebibliography@font@hook%
8337      \list{\@biblabel{\@arabic\c@enumiv}}%
8338        {\settowidth\labelwidth{\@biblabel{#1}}%
8339         \leftmargin\labelwidth
8340         \advance\leftmargin\labelsep
8341         \@openbib@code
8342         \usecounter{enumiv}%
8343         \let\p@enumiv\@empty
8344         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8345      \sloppy\clubpenalty4000\widowpenalty4000%
8346      \sfcode`.\@m}
8347    {\def\@noitemerr
8348     {\@latex@warning{Empty `thebibliography' environment}}%
8349     \endlist}
8350  \renewcommand\left@footnoterule{%

```



```

8351 \kern-3\p@
8352 \hrule\@width.4\columnwidth
8353 \kern2.6\p@}
8354 \renewcommand\right@footnoterule{%
8355 \kern-3\p@
8356 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8357 \kern2.6\p@}
8358 \if@titlepage
8359 \renewcommand\maketitle{\begin{titlepage}%
8360 \let\footnotesize\small
8361 \let\right@footnoterule\relax
8362 \let\left@footnoterule\relax
8363 \let\textwidth\footnoterule\relax
8364 \let \footnote \thanks
8365 \null\vfil
8366 \vskip 60\p@
8367 \begin{center}%
8368 {\LARGE \@title \par}%
8369 \vskip 3em%
8370 {\large
8371 \lineskip .75em%
8372 \begin{tabular}[t]{c}%
8373 \@author
8374 \end{tabular}\par}%
8375 \vskip 1.5em%
8376 {\large \@date \par}% % Set date in \large size.
8377 \end{center}\par
8378 \@thanks
8379 \vfil\null
8380 \end{titlepage}%
8381 \setcounter{footnote}{0}%
8382 \global\let\thanks\relax
8383 \global\let\maketitle\relax
8384 \global\let\@thanks\@empty
8385 \global\let\@author\@empty
8386 \global\let\@date\@empty
8387 \global\let\@title\@empty
8388 \global\let\title\relax
8389 \global\let\author\relax
8390 \global\let\date\relax
8391 \global\let\and\relax
8392 }
8393 \else
8394 \renewcommand\maketitle{\par
8395 \begingroup
8396 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8397 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8398 \long\def\@makefntext##1{\parindent 1em\noindent
8399 \hb@xt@1.8em{%
8400 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

8401 \if@twocolumn
8402 \ifnum \col@number=\@ne
8403 \maketitle
8404 \else
8405 \twocolumn[\maketitle]%
8406 \fi
8407 \else
8408 \newpage
8409 \global\@topnum\z@ % Prevents figures from going at top of page.
8410 \maketitle
8411 \fi
8412 \thispagestyle{plain}\@thanks
8413 \endgroup
8414 \setcounter{footnote}{0}%
8415 \global\let\thanks\relax
8416 \global\let\maketitle\relax
8417 \global\let\@maketitle\relax
8418 \global\let\@thanks\@empty
8419 \global\let\@author\@empty
8420 \global\let\@date\@empty
8421 \global\let\@title\@empty
8422 \global\let\title\relax
8423 \global\let\author\relax
8424 \global\let\date\relax
8425 \global\let\and\relax
8426 }
8427 \def\@maketitle{%
8428 \newpage
8429 \null
8430 \vskip 2em%
8431 \begin{center}%
8432 \let \footnote \thanks
8433 {\LARGE \@title \par}%
8434 \vskip 1.5em%
8435 {\large
8436 \lineskip .5em%
8437 \begin{tabular}[t]{c}%
8438 \@author
8439 \end{tabular}\par}%
8440 \vskip 1em%
8441 {\large \@date}%
8442 \end{center}%
8443 \par
8444 \vskip 1.5em}
8445 \fi
8446 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8447 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8448 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8449 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```



52 File extbook-xetex-bidi.def

```

8450 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8451 \if@titlepage
8452 \renewcommand\maketitle{\begin{titlepage}%
8453 \let\footnotesize\small
8454 \let\right@footnoterule\relax
8455 \let\left@footnoterule\relax
8456 \let\textwidth@footnoterule\relax
8457 \let \footnote \thanks
8458 \let \LTRfootnote \LTRthanks
8459 \let \RTLfootnote \RTLthanks
8460 \null\vfil
8461 \vskip 60\p@
8462 \begin{center}%
8463 {\LARGE \@title \par}%
8464 \vskip 3em%
8465 {\large
8466 \lineskip .75em%
8467 \begin{tabular}[t]{c}%
8468 \@author
8469 \end{tabular}\par}%
8470 \vskip 1.5em%
8471 {\large \@date \par}% % Set date in \large size.
8472 \end{center}\par
8473 \@thanks
8474 \vfil\null
8475 \end{titlepage}%
8476 \setcounter{footnote}{0}%
8477 \global\let\thanks\relax
8478 \global\let\LTRthanks\relax
8479 \global\let\RTLthanks\relax
8480 \global\let\maketitle\relax
8481 \global\let\@thanks\@empty
8482 \global\let\@author\@empty
8483 \global\let\@date\@empty
8484 \global\let\@title\@empty
8485 \global\let\title\relax
8486 \global\let\author\relax
8487 \global\let\date\relax
8488 \global\let\and\relax
8489 }
8490 \else
8491 \renewcommand\maketitle{\par
8492 \begingroup
8493 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8494 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8495 \long\def\@makefntext##1{\parindent 1em\noindent
8496 \hb@xt@1.8em{%
8497 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

8498 \if@twocolumn
8499 \ifnum \col@number=\@ne
8500 \maketitle
8501 \else
8502 \twocolumn[\maketitle]%
8503 \fi
8504 \else
8505 \newpage
8506 \global\@topnum\z@ % Prevents figures from going at top of page.
8507 \maketitle
8508 \fi
8509 \thispagestyle{plain}\@thanks
8510 \endgroup
8511 \setcounter{footnote}{0}%
8512 \global\let\thanks\relax
8513 \global\let\LTRthanks\relax
8514 \global\let\RTLthanks\relax
8515 \global\let\maketitle\relax
8516 \global\let\@maketitle\relax
8517 \global\let\@thanks\@empty
8518 \global\let\@author\@empty
8519 \global\let\@date\@empty
8520 \global\let\@title\@empty
8521 \global\let\title\relax
8522 \global\let\author\relax
8523 \global\let\date\relax
8524 \global\let\and\relax
8525 }
8526 \def\@maketitle{%
8527 \newpage
8528 \null
8529 \vskip 2em%
8530 \begin{center}%
8531 \let \footnote \thanks
8532 \let \LTRfootnote \LTRthanks
8533 \let \RTLfootnote \RTLthanks
8534 {\LARGE \@title \par}%
8535 \vskip 1.5em%
8536 {\large
8537 \lineskip .5em%
8538 \begin{tabular}[t]{c}%
8539 \@author
8540 \end{tabular}\par}%
8541 \vskip 1em%
8542 {\large \@date}%
8543 \end{center}%
8544 \par
8545 \vskip 1.5em}
8546 \fi
8547 \renewcommand*{\l@part[2]}{%

```



```

8548 \ifnum \c@tocdepth >-2\relax
8549 \addpenalty{-\@highpenalty}%
8550 \addvspace{2.25em \@plus\p@}%
8551 \beginngroup
8552 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8553 \parfillskip -\@pnumwidth
8554 {\leavevmode
8555 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8556 \nobreak
8557 \global\@nobreaktrue
8558 \everypar{\global\@nobreakfalse\everypar{}}%
8559 \endgroup
8560 \fi}
8561 \renewcommand\theequation
8562 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8563 \renewcommand \thefigure
8564 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8565 \renewcommand \thetable
8566 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8567 \renewcommand \thechapter {\@arabic\c@chapter}
8568 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8569 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8570 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8571 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8572 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8573 \def\@makechapterhead#1{%
8574 \vspace*{50\p@}%
8575 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8576 \ifnum \c@secnumdepth >\m@ne
8577 \if@mainmatter
8578 \huge\bfseries \@chapapp\space \thechapter
8579 \par\nobreak
8580 \vskip 20\p@
8581 \fi
8582 \fi
8583 \interlinepenalty\@M
8584 \Huge \bfseries #1\par\nobreak
8585 \vskip 40\p@
8586 }}
8587
8588 \def\@makeschapterhead#1{%
8589 \vspace*{50\p@}%
8590 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8591 \normalfont
8592 \interlinepenalty\@M
8593 \Huge \bfseries #1\par\nobreak
8594 \vskip 40\p@
8595 }}
8596 \renewcommand\backmatter{%
8597 \if@openright

```



```

8598 \cleardoublepage
8599 \else
8600 \clearpage
8601 \fi
8602 \@mainmatterfalse}
8603 \renewenvironment{thebibliography}[1]
8604 { \chapter*{\bibname
8605 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8606 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8607 \bidi@@thebibliography@font@hook%
8608 \list{\@biblabel{\@arabic\c@enumiv}}%
8609 {\settowidth\labelwidth{\@biblabel{#1}}%
8610 \leftmargin\labelwidth
8611 \advance\leftmargin\labelsep
8612 \@openbib@code
8613 \usecounter{enumiv}%
8614 \let\p@enumiv\@empty
8615 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8616 \sloppy
8617 \clubpenalty4000
8618 \@clubpenalty \clubpenalty
8619 \widowpenalty4000%
8620 \sfcode`. \@m}
8621 {\def\@noitemerr
8622 {\@latex@warning{Empty `thebibliography' environment}}%
8623 \endlist}

```

53 File extletter-xetex-bidi.def

```

8624 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8625 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8626 \thispagestyle{firstpage}%
8627 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8628 \else % home address
8629 \thispagestyle{empty}%
8630 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8631 \fromaddress \*[2\parskip]%
8632 \@date \end{tabular}\par}%
8633 \fi
8634 \vspace{2\parskip}%
8635 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
8636 \vspace{2\parskip}%
8637 #1\par\nobreak}
8638 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8639 \stopbreaks
8640 \noindent
8641 \ifx\@empty\fromaddress\else
8642 \hspace*{\longindentation}\fi
8643 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8644 \ignorespaces #1\ [6\medskipamount]}%

```



```

8645     \ifx\@empty\fromsig
8646         \fromname
8647     \else \fromsig \fi\strut}%
8648 \par}
8649 \renewcommand\left@footnoterule{%
8650     \kern-\p@
8651     \hrule \@width .4\columnwidth
8652     \kern .6\p@}
8653 \renewcommand\right@footnoterule{%
8654     \kern-\p@
8655     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8656     \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8657 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote featur
8658 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{}%
8659 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
8660 \if@bidi@csundef{HLTR@LTRfootnotetext}{-}{%
8661 \ifHy@hyperfootnotes
8662     \let\@H@footnotetext\@footnotetext
8663     \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8664     \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8665     \let\@H@mpfootnotetext\@mpfootnotetext
8666     \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8667     \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8668 \fi
8669 }%
8670 }%
8671 }
8672 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{}%
8673 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{%
8674 \if@bidi@csundef{HLTR@LTRfootnotetext}{-}{%
8675 \ifHy@hyperfootnotes
8676     \let\@H@footnotetext\@footnotetext
8677     \let\@footnotetext\@H@footnotetext
8678     \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8679     \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
8680     \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8681     \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8682     \let\@H@mpfootnotetext\@mpfootnotetext
8683     \let\@mpfootnotetext\@H@mpfootnotetext
8684     \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8685     \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
8686     \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8687     \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8688 \fi
8689 }%
8690 }%
8691 }

```



```

8692 \let\autofootnoterule\relax
8693 \let\rightfootnoterule\relax
8694 \let\leftfootnoterule\relax
8695 \let\textwidthfootnoterule\relax
8696 \let\LRfootnoterule\relax
8697 \def\footnoterule{\kern-3\p@
8698 \hrule \@width \columnwidth \kern 2.6\p@}
8699 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8700 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8701 \renewcommand{\@footnotetext}[1]{%
8702 \insert\footins{%
8703 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8704 \def\baselinestretch{\m@m@footnote@spacing}%
8705 \reset@font
8706 \foottextfont
8707 \@preamfntext
8708 \hsize\columnwidth
8709 \protected@edef\@currentlabel{%
8710 \csname p@footnote\endcsname\@thefnmark}%
8711 \color@begingroup
8712 \@makefntext{%
8713 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8714 \@finalstrut\strutbox}%
8715 \color@endgroup}%
8716 \m@mmf@prepare}
8717 \renewcommand{\@RTLfootnotetext}[1]{%
8718 \insert\footins{%
8719 \@RTLtrue%
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \reset@font
8722 \RTLfoottextfont
8723 \@preamfntext
8724 \hsize\columnwidth
8725 \protected@edef\@currentlabel{%
8726 \csname p@footnote\endcsname\@thefnmark}%
8727 \color@begingroup
8728 \@makefntext{%
8729 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8730 \@finalstrut\strutbox}%
8731 \color@endgroup}%
8732 \m@mmf@prepare}
8733 \renewcommand{\@LTRfootnotetext}[1]{%
8734 \insert\footins{%
8735 \@RTLfalse%
8736 \def\baselinestretch{\m@m@footnote@spacing}%
8737 \reset@font
8738 \LTRfoottextfont
8739 \@preamfntext
8740 \hsize\columnwidth
8741 \protected@edef\@currentlabel{%

```



```

8742 \csname p@footnote\endcsname\@thefnmark}%
8743 \color@begingroup
8744 \makefnintext{%
8745 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8746 \@finalstrut\strutbox}%
8747 \color@endgroup}%
8748 \mmf@prepare}
8749 \renewcommand{\@mpfootnotetext}[1]{%
8750 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8751 \unvbox\@mpfootins
8752 \def\baselinestretch{\m@footnote@spacing}%
8753 \foottextfont \hsize\columnwidth \@parboxrestore
8754 \protected@edef\@currentlabel{%
8755 \csname p@mpfootnote\endcsname\@thefnmark}%
8756 \color@begingroup
8757 \reset@font%
8758 \makefnintext{%
8759 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8760 \@finalstrut\strutbox}%
8761 \color@endgroup}}
8762 \renewcommand{\@mpLTRfootnotetext}[1]{%
8763 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8764 \unvbox\@mpfootins
8765 \def\baselinestretch{\m@footnote@spacing}%
8766 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8767 \protected@edef\@currentlabel{%
8768 \csname p@mpfootnote\endcsname\@thefnmark}%
8769 \color@begingroup
8770 \reset@font%
8771 \makefnintext{%
8772 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8773 \@finalstrut\strutbox}%
8774 \color@endgroup}}
8775 \renewcommand{\@mpRTLfootnotetext}[1]{%
8776 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8777 \unvbox\@mpfootins
8778 \def\baselinestretch{\m@footnote@spacing}%
8779 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8780 \protected@edef\@currentlabel{%
8781 \csname p@mpfootnote\endcsname\@thefnmark}%
8782 \color@begingroup
8783 \reset@font%
8784 \makefnintext{%
8785 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8786 \@finalstrut\strutbox}%
8787 \color@endgroup}}
8788 \let\m@mold@footnotetext\@footnotetext
8789 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8790 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8791 \let\m@mold@mpfootnotetext\@mpfootnotetext

```



```

8792 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8793 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8794 \bidi@ensure@newcommand{\normalfootnotes}{%
8795   \@bidi@before@Hy@hyperfootnotes
8796   \let\@footnotetext\m@mold@footnotetext
8797   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8798   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8799   \let\@mpfootnotetext\m@mold@mpfootnotetext
8800   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8801   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8802   \@bidi@after@Hy@hyperfootnotes}
8803 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8804 \bidi@ensure@newcommand*\{RTLcolumnfootnotes\}{\@RTLcolumnfootnotestruer}
8805 \bidi@ensure@newcommand*\{LTRcolumnfootnotes\}{\@RTLcolumnfootnotesfalse}
8806 \bidi@ensure@newcommand*\{setSingleSpace\}[1]{%
8807   \def\m@m@singlespace{#1}%
8808   \def\m@m@footnote@spacing{#1}%
8809   \def\m@m@float@spacing{#1} %
8810 }
8811 \setSingleSpace{1}
8812 \bidi@ensure@newcommand*\{multiplefootnotemarker\}{3sp}
8813 \bidi@ensure@newcommand*\{m@mmf@prepare\}{%
8814   \kern-\multiplefootnotemarker
8815   \kern\multiplefootnotemarker\relax}
8816 \bidi@ensure@newlength{\footmarkwidth}
8817 \bidi@ensure@newlength{\footmarksep}
8818 \bidi@ensure@newlength{\footparindent}
8819 \bidi@ensure@newcommand*\{footmarkstyle\}[1]{\def\footscript##1{#1}}
8820 \bidi@ensure@newcommand*\{LTRfootmarkstyle\}[1]{\def\LTRfootscript##1{#1}}
8821 \bidi@ensure@newcommand*\{RTLfootmarkstyle\}[1]{\def\RTLfootscript##1{#1}}
8822 \bidi@ensure@newcommand{\footfootmark}{%
8823   \ifdim\footmarkwidth < \z@
8824     \llap{\hb@xt@ -\footmarkwidth{%
8825       \hss\normalfont\footscript{\@thefnmark}}}%
8826     \hspace*{-\footmarkwidth}}%
8827   \else
8828     \ifdim\footmarkwidth = \z@
8829       {\normalfont\footscript{\@thefnmark}}%
8830     \else
8831       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8832     \fi
8833   \fi}
8834 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8835   \ifdim\footmarkwidth < \z@
8836     \llap{\hb@xt@ -\footmarkwidth{%
8837       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8838     \hspace*{-\footmarkwidth}}%
8839   \else
8840     \ifdim\footmarkwidth = \z@
8841       {\normalfont\LTRfootscript{\@thefnmark}}%

```




```

8842 \else
8843 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8844 \fi
8845 \fi}
8846 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8847 \ifdim\footmarkwidth < \z@
8848 \llap{\hb@xt@-\footmarkwidth{%
8849 \hss\normalfont\RTLfootscript{\@thefnmark}}%
8850 \hspace*{-\footmarkwidth}}%
8851 \else
8852 \ifdim\footmarkwidth = \z@
8853 {\normalfont\RTLfootscript{\@thefnmark}}%
8854 \else
8855 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8856 \fi
8857 \fi}
8858 \footmarkstyle{\textsuperscript{#1}}
8859 \LTRfootmarkstyle{\textsuperscript{#1}}
8860 \RTLfootmarkstyle{\textsuperscript{#1}}
8861 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8862 \setlength{\footparindent}{1em}
8863 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8864 \bidi@ensure@newcommand*{\extrafeetins}{%
8865 \setbox\@outputbox \vbox{%
8866 \boxmaxdepth \@maxdepth
8867 \unvbox\@outputbox
8868 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8869 \extrafeetinshook}}
8870 \bidi@ensure@newcommand{\extrafeetinshook}{%
8871 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8872 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8873 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8874 \bidi@ensure@newlength{\footinsdim}
8875 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8876 \bidi@ensure@newcommand{\@preamfntext}{%
8877 \interlinepenalty\interfootnotelinepenalty
8878 \floatingpenalty \@MM
8879 \splittopskip=\footnotesep
8880 \splitmaxdepth=\dp\strutbox
8881 \@parboxrestore}
8882 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8883 \extrafeetminihook}
8884 \bidi@ensure@newcommand{\extrafeetendmini}{%
8885 \ifvoid\@mpfootinsv@r\else
8886 \vskip\skip\@mpfootins
8887 \normalcolor\footnoterule\mp@footgroupv@r
8888 \fi
8889 \extrafeetendminihook}
8890 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8891 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}

```



```

8892 \def\endminipage{%
8893   \par
8894   \unskip
8895   \ifvoid\@mpfootins\else
8896     \vskip\skip\@mpfootins
8897     \normalcolor
8898     \footnoterule
8899     \unvbox\@mpfootins
8900   \fi
8901   \m@mdoextrafeetendmini
8902   \@minipagefalse
8903   \color@endgroup
8904   \egroup
8905   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8906 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8907   \@namedef{@footstart#1}{%
8908     \bidi@mopfn@bottom
8909     \vskip\bigskipamount
8910     \leftskip=\z@
8911     \rightskip=\z@
8912     \footnoterule}}
8913 \newinsert\footinsv@r
8914 \skip\footinsv@r\bigskipamount
8915 \count\footinsv@r=1000 % no magnification
8916 \dimen\footinsv@r=\footinsdim
8917 \m@make@footstart{v@r}
8918 \bidi@ensure@newcommand{\@footgroupv@r}{%
8919 \newinsert\@mpfootinsv@r
8920 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8921 \newcount\m@m@k \newdimen\m@m@h
8922 \@ifpackageloaded{multicol}{%
8923 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8924 \hsize\textwidth
8925 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8926 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8927 }{%
8928 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8929 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8930 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8931 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8932 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8933 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8934 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8935 \setbox2 \vsplit0 to \dimen0
8936 \unvbox2 }
8937 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8938   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8939   \@bidi@before@Hy@hyperfootnotes
8940   \let\@footnotetext\@twocolfootnotetext
8941   \let\@LTRfootnotetext\@twocolLTRfootnotetext

```



```

8942 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8943 \dimen\footinsv@r=2\footinsdim
8944 \count\footinsv@r=500\relax
8945 \m@make@twocol@footgroup{v@r}%
8946 \let\@footgroupv@r\@twocol@footgroupv@r
8947 \let\@mpfootnotetext\@mptwocolfootnotetext
8948 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8949 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8950 \@bidi@after@Hy@hyperfootnotes
8951 \m@make@mptwocol@footgroup{v@r}%
8952 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8953 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8954 \def\baselinestretch{\m@m@footnote@spacing}%
8955 \reset@font\foottextfont
8956 \@preamfntext
8957 \protected@edef\@currentlabel{%
8958 \csname p@footnote\endcsname\@thefnmark}%
8959 \color@begingroup
8960 \@twocolfootfmt{#1}%
8961 \color@endgroup}%
8962 \m@mmf@prepare}
8963 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8964 \def\baselinestretch{\m@m@footnote@spacing}%
8965 \reset@font\LTRfoottextfont
8966 \@preamfntext
8967 \protected@edef\@currentlabel{%
8968 \csname p@footnote\endcsname\@thefnmark}%
8969 \color@begingroup
8970 \@twocolLTRfootfmt{#1}%
8971 \color@endgroup}%
8972 \m@mmf@prepare}
8973 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8974 \def\baselinestretch{\m@m@footnote@spacing}%
8975 \reset@font\RTLfoottextfont
8976 \@preamfntext
8977 \protected@edef\@currentlabel{%
8978 \csname p@footnote\endcsname\@thefnmark}%
8979 \color@begingroup
8980 \@twocolRTLfootfmt{#1}%
8981 \color@endgroup}%
8982 \m@mmf@prepare}
8983 \bidi@ensure@newcommand{\@preamtwofmt}{%
8984 \hsize .45\hsize
8985 \parindent=\z@
8986 \tolerance=5000\relax
8987 \leavevmode}
8988 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8989 \@preamtwofmt
8990 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8991 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%

```



```

8992 \@preamtwofmt
8993 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8994 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8995   \@preamtwofmt
8996   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8997 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8998   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8999     \unvbox\@mpfootinsv@r
9000     \def\baselinestretch{\m@m@footnote@spacing}%
9001     \reset@font\foottextfont
9002     \hsize\columnwidth \@parboxrestore
9003     \protected@edef\@currentlabel{%
9004       \csname p@mpfootnote\endcsname\@thefnmark}%
9005     \color@begingroup
9006       \@twocolfootfmt{#1}%
9007     \color@endgroup}%
9008   \m@m@mmf@prepare}
9009 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9010   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9011     \unvbox\@mpfootinsv@r
9012     \def\baselinestretch{\m@m@footnote@spacing}%
9013     \reset@font\LTRfoottextfont
9014     \hsize\columnwidth \@parboxrestore
9015     \if@RTLcolumnfootnotes\beginL\fi
9016     \protected@edef\@currentlabel{%
9017       \csname p@mpfootnote\endcsname\@thefnmark}%
9018     \color@begingroup
9019       \@twocolLTRfootfmt{#1}%
9020     \color@endgroup}%
9021   \m@m@mmf@prepare}
9022 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9023   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9024     \unvbox\@mpfootinsv@r
9025     \def\baselinestretch{\m@m@footnote@spacing}%
9026     \reset@font\RTLfoottextfont
9027     \hsize\columnwidth \@parboxrestore
9028     \protected@edef\@currentlabel{%
9029       \csname p@mpfootnote\endcsname\@thefnmark}%
9030     \color@begingroup
9031       \@twocolRTLfootfmt{#1}%
9032     \color@endgroup}%
9033   \m@m@mmf@prepare}
9034 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
9035   \m@make@twocolfootnotetext{#1}%
9036   \m@make@mptwocolfootnotetext{#1}%
9037   \m@make@twocolfootfmt{#1}%
9038   \m@make@twocol@footgroup{#1}%
9039   \m@make@mptwocol@footgroup{#1}%
9040   \m@make@footstart{#1}%
9041   \bidi@namelongdef{\footnotetext#1}##1{%

```



```

9042 \nameuse{@twocolfootnotetext#1}{##1}}%
9043 \bidi@namelongdef{@mpfootnotetext#1}{##1}{%
9044 \nameuse{@mptwocolfootnotetext#1}{##1}}%
9045 \@namedef{@footgroup#1}{\nameuse{@twocol@footgroup#1}}%
9046 \@namedef{@mp@footgroup#1}{\nameuse{@mptwocol@footgroup#1}}%
9047 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9048 \expandafter\count\csname footins#1\endcsname=500\relax}
9049 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
9050 \bidi@namelongdef{@twocolfootnotetext#1}{##1}{%
9051 \insert\nameuse{footins#1}{%
9052 \def\baselinestretch{\m@m@footnote@spacing}%
9053 \reset@font\nameuse{foottextfont#1}%
9054 \@preamfntext
9055 \protected@edef\@currentlabel{%
9056 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9057 \color@begingroup
9058 \nameuse{@twocolfootfmt#1}{##1}%
9059 \color@endgroup}%
9060 \m@m@mmf@prepare}}
9061 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
9062 \bidi@namelongdef{@mptwocolfootnotetext#1}{##1}{%
9063 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9064 \unvbox\nameuse{@mpfootins#1}
9065 \def\baselinestretch{\m@m@footnote@spacing}%
9066 \reset@font\nameuse{foottextfont#1}%
9067 \hsize\columnwidth \parboxrestore
9068 \protected@edef\@currentlabel{%
9069 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9070 \color@begingroup
9071 \nameuse{@twocolfootfmt#1}{##1}%
9072 \color@endgroup}\m@m@mmf@prepare}}
9073 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
9074 \@namedef{@twocolfootfmt#1}{##1}{%
9075 \@preamtwofmt
9076 {\nameuse{footfootmark#1}\strut
9077 {\nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9078 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9079 \@namedef{@twocol@footgroup#1}{%
9080 \def\baselinestretch{\m@m@footnote@spacing}%
9081 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9082 \m@m@rigidbalance{\nameuse{footins#1}{\tw@}{\splittopskip}}}}
9083 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9084 \@namedef{@mptwocol@footgroup#1}{%
9085 \def\baselinestretch{\m@m@footnote@spacing}%
9086 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9087 \m@m@rigidbalance{\nameuse{@mpfootins#1}{\tw@}{\splittopskip}}}}
9088 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9089 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9090 \@bidi@before@Hy@hyperfootnotes
9091 \let\@footnotetext\@threecolfootnotetext

```



```

9092 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9093 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9094 \dimen\footinsv@r=3\footinsdim
9095 \count\footinsv@r=333\relax
9096 \m@make@threecol@footgroup{v@r}%
9097 \let\@footgroupv@r\@threecol@footgroupv@r
9098 \let\@mpfootnotetext\@mpthreecolfootnotetext
9099 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9100 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9101 \@bidi@after@Hy@hyperfootnotes
9102 \m@make@mpthreecol@footgroup{v@r}%
9103 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
9104 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9105 \def\baselinestretch{\m@m@footnote@spacing}%
9106 \reset@font\foottextfont
9107 \@preamfntext
9108 \protected@edef\@currentlabel{%
9109 \csname p@footnote\endcsname\@thefnmark}%
9110 \color@begingroup
9111 \@threecolfootfmt{#1}%
9112 \color@endgroup}\m@mmf@prepare}
9113 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9114 \def\baselinestretch{\m@m@footnote@spacing}%
9115 \reset@font\LTRfoottextfont
9116 \@preamfntext
9117 \protected@edef\@currentlabel{%
9118 \csname p@footnote\endcsname\@thefnmark}%
9119 \color@begingroup
9120 \@threecolLTRfootfmt{#1}%
9121 \color@endgroup}\m@mmf@prepare}
9122 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9123 \def\baselinestretch{\m@m@footnote@spacing}%
9124 \reset@font\RTLfoottextfont
9125 \@preamfntext
9126 \protected@edef\@currentlabel{%
9127 \csname p@footnote\endcsname\@thefnmark}%
9128 \color@begingroup
9129 \@threecolRTLfootfmt{#1}%
9130 \color@endgroup}\m@mmf@prepare}
9131 \bidi@ensure@newcommand{\@preamthreefmt}{%
9132 \hspace .3\hspace
9133 \parindent=\z@
9134 \tolerance=5000\relax
9135 \leavevmode}
9136 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9137 \@preamthreefmt
9138 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9139 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9140 \@preamthreefmt
9141 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}

```



```

9142 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9143   \@preamthreefmt
9144   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9145 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9146   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9147     \unvbox\@mpfootinsv@r
9148     \def\baselinestretch{\m@m@footnote@spacing}%
9149     \reset@font\foottextfont
9150     \hsize\columnwidth \@parboxrestore
9151     \protected@edef\@currentlabel{%
9152       \csname p@mpfootnote\endcsname\@thefnmark}%
9153   \color@begingroup
9154     \@threecolfootfmt{#1}%
9155   \color@endgroup}\m@mmf@prepare}
9156 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9157   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9158     \unvbox\@mpfootinsv@r
9159     \def\baselinestretch{\m@m@footnote@spacing}%
9160     \reset@font\LTRfoottextfont
9161     \hsize\columnwidth \@parboxrestore
9162     \if@RTLcolumnfootnotes\beginL\fi
9163     \protected@edef\@currentlabel{%
9164       \csname p@mpfootnote\endcsname\@thefnmark}%
9165   \color@begingroup
9166     \@threecolLTRfootfmt{#1}%
9167   \color@endgroup}\m@mmf@prepare}
9168 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9169   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9170     \unvbox\@mpfootinsv@r
9171     \def\baselinestretch{\m@m@footnote@spacing}%
9172     \reset@font\RTLfoottextfont
9173     \hsize\columnwidth \@parboxrestore
9174     \protected@edef\@currentlabel{%
9175       \csname p@mpfootnote\endcsname\@thefnmark}%
9176   \color@begingroup
9177     \@threecolRTLfootfmt{#1}%
9178   \color@endgroup}\m@mmf@prepare}
9179 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9180   \m@make@threecolfootnotetext{#1}%
9181   \m@make@mpthreecolfootnotetext{#1}%
9182   \m@make@threecolfootfmt{#1}%
9183   \m@make@threecol@footgroup{#1}%
9184   \m@make@mpthreecol@footgroup{#1}%
9185   \m@make@footstart{#1}%
9186   \bidi@namelongdef{\@footnotetext#1}##1{%
9187     \@nameuse{\@threecolfootnotetext#1}{##1}}%
9188   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9189     \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
9190   \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
9191   \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%

```



```

9192 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9193 \expandafter\count\csname footins#1\endcsname=333\relax}
9194 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9195 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
9196 \insert\@nameuse{footins#1}{%
9197 \def\baselinestretch{\m@m@footnote@spacing}%
9198 \reset@font\@nameuse{foottextfont#1}%
9199 \@preamfntext
9200 \protected@edef\@currentlabel{%
9201 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9202 \color@begingroup
9203 \@nameuse{@threecolfootfmt#1}{##1}%
9204 \color@endgroup}\m@mmf@prepare}}
9205 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9206 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
9207 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9208 \unvbox\@nameuse{@mpfootins#1}
9209 \def\baselinestretch{\m@m@footnote@spacing}%
9210 \reset@font\@nameuse{foottextfont#1}%
9211 \hsize\columnwidth \@parboxrestore
9212 \protected@edef\@currentlabel{%
9213 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9214 \color@begingroup
9215 \@nameuse{@threecolfootfmt#1}{##1}%
9216 \color@endgroup}\m@mmf@prepare}}
9217 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9218 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9219 \@preamthreefmt
9220 {\@nameuse{footfootmark#1}\strut
9221 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9222 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9223 \namedef{@threecol@footgroup#1}{%
9224 \def\baselinestretch{\m@m@footnote@spacing}%
9225 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9226 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9227 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9228 \namedef{@mpthreecol@footgroup#1}{%
9229 \def\baselinestretch{\m@m@footnote@spacing}%
9230 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9231 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9232 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9233 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9234 \@bidi@before@Hy@hyperfootnotes
9235 \let\@footnotetext\@fourcolfootnotetext
9236 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9237 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9238 \dimen\footinsv@r=4\footinsdim
9239 \count\footinsv@r=250\relax
9240 \m@make@fourcol@footgroup{v@r}%
9241 \let\@footgroupv@r\@fourcol@footgroupv@r

```




```

9242 \let\@mpfootnotetext\@mpfourcolfootnotetext
9243 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9244 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9245 \@bidi@after@Hy@hyperfootnotes
9246 \m@make@mpfourcol@footgroup{v@r}%
9247 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
9248 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9249 \def\baselinestretch{\m@m@footnote@spacing}%
9250 \reset@font\foottextfont
9251 \@preamfntext
9252 \protected@edef\@currentlabel{%
9253 \csname p@footnote\endcsname\@thefnmark}%
9254 \color@begingroup
9255 \@fourcolfootfmt{#1}%
9256 \color@endgroup}%
9257 \m@mmf@prepare}
9258 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9259 \def\baselinestretch{\m@m@footnote@spacing}%
9260 \reset@font\LTRfoottextfont
9261 \@preamfntext
9262 \protected@edef\@currentlabel{%
9263 \csname p@footnote\endcsname\@thefnmark}%
9264 \color@begingroup
9265 \@fourcolLTRfootfmt{#1}%
9266 \color@endgroup}%
9267 \m@mmf@prepare}
9268 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9269 \def\baselinestretch{\m@m@footnote@spacing}%
9270 \reset@font\RTLfoottextfont
9271 \@preamfntext
9272 \protected@edef\@currentlabel{%
9273 \csname p@footnote\endcsname\@thefnmark}%
9274 \color@begingroup
9275 \@fourcolRTLfootfmt{#1}%
9276 \color@endgroup}%
9277 \m@mmf@prepare}
9278 \bidi@ensure@newcommand{\@preamfourfmt}{%
9279 \hspace{.25\hspace}
9280 \parindent=\z@
9281 \tolerance=5000\relax
9282 \leavevmode}
9283 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9284 \@preamfourfmt
9285 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9286 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9287 \@preamfourfmt
9288 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9289 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9290 \@preamfourfmt
9291 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```



```

9292 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9293   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9294     \unvbox\@mpfootinsv@r
9295     \def\baselinestretch{\m@m@footnote@spacing}%
9296     \reset@font\foottextfont
9297     \hsize\columnwidth \@parboxrestore
9298     \protected@edef\@currentlabel{%
9299       \csname p@mpfootnote\endcsname\@thefnmark}%
9300   \color@begingroup
9301     \@fourcolfootfmt{#1}%
9302   \color@endgroup}%
9303 \m@m@mmf@prepare}
9304 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9305   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9306     \unvbox\@mpfootinsv@r
9307     \def\baselinestretch{\m@m@footnote@spacing}%
9308     \reset@font\LTRfoottextfont
9309     \hsize\columnwidth \@parboxrestore
9310     \if@RTLcolumnfootnotes\beginL\fi
9311     \protected@edef\@currentlabel{%
9312       \csname p@mpfootnote\endcsname\@thefnmark}%
9313   \color@begingroup
9314     \@fourcolLTRfootfmt{#1}%
9315   \color@endgroup}%
9316 \m@m@mmf@prepare}
9317 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9318   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9319     \unvbox\@mpfootinsv@r
9320     \def\baselinestretch{\m@m@footnote@spacing}%
9321     \reset@font\RTLfoottextfont
9322     \hsize\columnwidth \@parboxrestore
9323     \protected@edef\@currentlabel{%
9324       \csname p@mpfootnote\endcsname\@thefnmark}%
9325   \color@begingroup
9326     \@fourcolRTLfootfmt{#1}%
9327   \color@endgroup}%
9328 \m@m@mmf@prepare}
9329 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9330   \m@make@fourcolfootnotetext{#1}%
9331   \m@make@mpfourcolfootnotetext{#1}%
9332   \m@make@fourcolfootfmt{#1}%
9333   \m@make@fourcol@footgroup{#1}%
9334   \m@make@mpfourcol@footgroup{#1}%
9335   \m@make@footstart{#1}%
9336   \bidi@namelongdef{\@footnotetext#1}##1{%
9337     \nameuse{\@fourcolfootnotetext#1}{##1}}%
9338   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9339     \nameuse{\@mpfourcolfootnotetext#1}{##1}}%
9340   \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
9341   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%

```



```

9342 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9343 \expandafter\count\csname footins#1\endcsname=500\relax}
9344 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9345 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
9346 \insert\@nameuse{footins#1}{%
9347 \def\baselinestretch{\m@m@footnote@spacing}%
9348 \reset@font\@nameuse{foottextfont#1}%
9349 \@preamfntext
9350 \protected@edef\@currentlabel{%
9351 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9352 \color@begingroup
9353 \@nameuse{@fourcolfootfmt#1}{##1}%
9354 \color@endgroup}%
9355 \m@mmf@prepare}}
9356 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9357 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
9358 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9359 \unvbox\@nameuse{@mpfootins#1}
9360 \def\baselinestretch{\m@m@footnote@spacing}%
9361 \reset@font\@nameuse{foottextfont#1}%
9362 \hsize\columnwidth \@parboxrestore
9363 \protected@edef\@currentlabel{%
9364 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9365 \color@begingroup
9366 \@nameuse{@fourcolfootfmt#1}{##1}%
9367 \color@endgroup}\m@mmf@prepare}}
9368 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9369 \@namedef{@fourcolfootfmt#1}##1{%
9370 \@preamfourfmt
9371 {\@nameuse{footfootmark#1}\strut
9372 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9373 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9374 \@namedef{@fourcol@footgroup#1}{%
9375 \def\baselinestretch{\m@m@footnote@spacing}%
9376 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9377 \m@r@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
9378 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9379 \@namedef{@mpfourcol@footgroup#1}{%
9380 \def\baselinestretch{\m@m@footnote@spacing}%
9381 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9382 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
9383 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9384 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9385 \@bidi@before@Hy@hyperfootnotes
9386 \let\@footnotetext\@fivecolfootnotetext
9387 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9388 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9389 \dimen\footinsv@r=5\footinsdim
9390 \count\footinsv@r=200\relax
9391 \m@make@fivecol@footgroup{v@r}%

```



```

9392 \let\@footgroupv@r\@fivecol@footgroupv@r
9393 \let\@mpfootnotetext\@mpfivecolfootnotetext
9394 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9395 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9396 \@bidi@after@Hy@hyperfootnotes
9397 \m@make@mpfivecol@footgroup{v@r}%
9398 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9399 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9400 \def\baselinestretch{\m@m@footnote@spacing}%
9401 \reset@font\foottextfont
9402 \@preamfntext
9403 \protected@edef\@currentlabel{%
9404 \csname p@footnote\endcsname\@thefnmark}%
9405 \color@begingroup
9406 \@fivecolfootfmt{#1}%
9407 \color@endgroup}%
9408 \m@mmf@prepare}
9409 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9410 \def\baselinestretch{\m@m@footnote@spacing}%
9411 \reset@font\LTRfoottextfont
9412 \@preamfntext
9413 \protected@edef\@currentlabel{%
9414 \csname p@footnote\endcsname\@thefnmark}%
9415 \color@begingroup
9416 \@fivecolLTRfootfmt{#1}%
9417 \color@endgroup}%
9418 \m@mmf@prepare}
9419 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9420 \def\baselinestretch{\m@m@footnote@spacing}%
9421 \reset@font\RTLfoottextfont
9422 \@preamfntext
9423 \protected@edef\@currentlabel{%
9424 \csname p@footnote\endcsname\@thefnmark}%
9425 \color@begingroup
9426 \@fivecolRTLfootfmt{#1}%
9427 \color@endgroup}%
9428 \m@mmf@prepare}
9429 \bidi@ensure@newcommand{\@preamfivefmt}{%
9430 \hspace{.2\hspace}
9431 \parindent=\z@
9432 \tolerance=5000\relax
9433 \leavevmode}
9434 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9435 \@preamfivefmt
9436 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9437 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9438 \@preamfivefmt
9439 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9440 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9441 \@preamfivefmt

```



```

9442 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9443 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9444 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9445 \unvbox\@mpfootinsv@r
9446 \def\baselinestretch{\m@m@footnote@spacing}%
9447 \reset@font\foottextfont
9448 \hsize\columnwidth \@parboxrestore
9449 \protected@edef\@currentlabel{%
9450 \csname p@mpfootnote\endcsname\@thefnmark}%
9451 \color@begingroup
9452 \@fivecolfootfmt{#1}%
9453 \color@endgroup}%
9454 \m@m@mmf@prepare}
9455 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9456 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9457 \unvbox\@mpfootinsv@r
9458 \def\baselinestretch{\m@m@footnote@spacing}%
9459 \reset@font\LTRfoottextfont
9460 \hsize\columnwidth \@parboxrestore
9461 \if@RTLcolumnfootnotes\beginL\fi
9462 \protected@edef\@currentlabel{%
9463 \csname p@mpfootnote\endcsname\@thefnmark}%
9464 \color@begingroup
9465 \@fivecolLTRfootfmt{#1}%
9466 \color@endgroup}%
9467 \m@m@mmf@prepare}
9468 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9469 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9470 \unvbox\@mpfootinsv@r
9471 \def\baselinestretch{\m@m@footnote@spacing}%
9472 \reset@font\RTLfoottextfont
9473 \hsize\columnwidth \@parboxrestore
9474 \protected@edef\@currentlabel{%
9475 \csname p@mpfootnote\endcsname\@thefnmark}%
9476 \color@begingroup
9477 \@fivecolRTLfootfmt{#1}%
9478 \color@endgroup}%
9479 \m@m@mmf@prepare}
9480 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9481 \m@make@fivecolfootnotetext{#1}%
9482 \m@make@mpfivecolfootnotetext{#1}%
9483 \m@make@fivecolfootfmt{#1}%
9484 \m@make@fivecol@footgroup{#1}%
9485 \m@make@mpfivecol@footgroup{#1}%
9486 \m@make@footstart{#1}%
9487 \bidi@namelongdef{\@footnotetext#1}##1{%
9488 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
9489 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9490 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
9491 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%

```



```

9492 \namedef{mp@footgroup#1}{\nameuse{mpfivecol@footgroup#1}}%
9493 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9494 \expandafter\count\csname footins#1\endcsname=500\relax}
9495 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9496 \bidi@namelongdef{fivecolfootnotetext#1}##1{%
9497 \insert\nameuse{footins#1}{%
9498 \def\baselinestretch{\m@m@footnote@spacing}%
9499 \reset@font\nameuse{foottextfont#1}%
9500 \@preamfntext
9501 \protected@edef\currentlabel{%
9502 \csname p@footnote#1\endcsname \nameuse{thefnmark#1}}%
9503 \color@begingroup
9504 \nameuse{fivecolfootfmt#1}##1}%
9505 \color@endgroup}%
9506 \m@m@mmf@prepare}}
9507 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9508 \bidi@namelongdef{mpfivecolfootnotetext#1}##1{%
9509 \global\setbox\nameuse{mpfootins#1}\vbox{%
9510 \unvbox\nameuse{mpfootins#1}
9511 \def\baselinestretch{\m@m@footnote@spacing}%
9512 \reset@font\nameuse{foottextfont#1}%
9513 \hsize\columnwidth \@parboxrestore
9514 \protected@edef\currentlabel{%
9515 \csname p@mpfootnote#1\endcsname\nameuse{thefnmark#1}}%
9516 \color@begingroup
9517 \nameuse{fivecolfootfmt#1}##1}%
9518 \color@endgroup}\m@m@mmf@prepare}}
9519 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9520 \namedef{fivecolfootfmt#1}##1{%
9521 \@preamfivefmt
9522 {\nameuse{footfootmark#1}\strut
9523 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9524 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9525 \namedef{fivecol@footgroup#1}{%
9526 \def\baselinestretch{\m@m@footnote@spacing}%
9527 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9528 \m@m@rigidbalance{\nameuse{footins#1}}{5}{\splittopskip}}}%
9529 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9530 \namedef{mpfivecol@footgroup#1}{%
9531 \def\baselinestretch{\m@m@footnote@spacing}%
9532 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9533 \m@m@rigidbalance{\nameuse{mpfootins#1}}{5}{\splittopskip}}}%
9534 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9535 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9536 \@bidi@before@Hy@hyperfootnotes
9537 \let\@footnotetext\@sixcolfootnotetext
9538 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9539 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9540 \dimen\footinsv@r=6\footinsdim
9541 \count\footinsv@r=166\relax

```



```

9542 \m@make@sixcol@footgroup{v@r}%
9543 \let\@footgroupv@r\@sixcol@footgroupv@r
9544 \let\@mpfootnotetext\@mpsixcolfootnotetext
9545 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9546 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9547 \@bidi@after@Hy@hyperfootnotes
9548 \m@make@mpsixcol@footgroup{v@r}%
9549 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9550 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9551 \def\baselinestretch{\m@m@footnote@spacing}%
9552 \reset@font\foottextfont
9553 \@preamfntext
9554 \protected@edef\@currentlabel{%
9555 \csname p@footnote\endcsname\@thefnmark}%
9556 \color@begingroup
9557 \@sixcolfootfmt{#1}%
9558 \color@endgroup}%
9559 \m@mmf@prepare}
9560 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9561 \def\baselinestretch{\m@m@footnote@spacing}%
9562 \reset@font\LTRfoottextfont
9563 \@preamfntext
9564 \protected@edef\@currentlabel{%
9565 \csname p@footnote\endcsname\@thefnmark}%
9566 \color@begingroup
9567 \@sixcolLTRfootfmt{#1}%
9568 \color@endgroup}%
9569 \m@mmf@prepare}
9570 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9571 \def\baselinestretch{\m@m@footnote@spacing}%
9572 \reset@font\RTLfoottextfont
9573 \@preamfntext
9574 \protected@edef\@currentlabel{%
9575 \csname p@footnote\endcsname\@thefnmark}%
9576 \color@begingroup
9577 \@sixcolRTLfootfmt{#1}%
9578 \color@endgroup}%
9579 \m@mmf@prepare}
9580 \bidi@ensure@newcommand{\@preamsixfmt}{%
9581 \hsize .16\hsize
9582 \parindent=\z@
9583 \tolerance=5000\relax
9584 \leavevmode}
9585 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9586 \@preamsixfmt
9587 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9588 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9589 \@preamsixfmt
9590 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9591 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%

```



```

9592 \@preamsixfmt
9593 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9594 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9595 \global\setbox\@mpfootinsv@r\vbox{%
9596   \unvbox\@mpfootinsv@r
9597   \def\baselinestretch{\m@m@footnote@spacing}%
9598   \reset@font\foottextfont
9599   \hsize\columnwidth \@parboxrestore
9600   \protected@edef\@currentlabel{%
9601     \csname p@mpfootnote\endcsname\@thefnmark}%
9602   \color@begingroup
9603     \@sixcolfootfmt{#1}%
9604   \color@endgroup}%
9605   \m@m@mmf@prepare}
9606 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9607   \global\setbox\@mpfootinsv@r\vbox{%
9608     \unvbox\@mpfootinsv@r
9609     \def\baselinestretch{\m@m@footnote@spacing}%
9610     \reset@font\LTRfoottextfont
9611     \hsize\columnwidth \@parboxrestore
9612     \if@RTLcolumnfootnotes\beginL\fi
9613     \protected@edef\@currentlabel{%
9614       \csname p@mpfootnote\endcsname\@thefnmark}%
9615     \color@begingroup
9616       \@sixcolLTRfootfmt{#1}%
9617     \color@endgroup}%
9618     \m@m@mmf@prepare}
9619 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9620   \global\setbox\@mpfootinsv@r\vbox{%
9621     \unvbox\@mpfootinsv@r
9622     \def\baselinestretch{\m@m@footnote@spacing}%
9623     \reset@font\RTLfoottextfont
9624     \hsize\columnwidth \@parboxrestore
9625     \protected@edef\@currentlabel{%
9626       \csname p@mpfootnote\endcsname\@thefnmark}%
9627     \color@begingroup
9628       \@sixcolRTLfootfmt{#1}%
9629     \color@endgroup}%
9630     \m@m@mmf@prepare}
9631 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9632   \m@make@sixcolfootnotetext{#1}%
9633   \m@make@mpsixcolfootnotetext{#1}%
9634   \m@make@sixcolfootfmt{#1}%
9635   \m@make@sixcol@footgroup{#1}%
9636   \m@make@mpsixcol@footgroup{#1}%
9637   \m@make@footstart{#1}%
9638   \bidi@namelongdef{\@footnotetext#1}##1{%
9639     \@nameuse{\@sixcolfootnotetext#1}{##1}}%
9640   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9641     \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%

```




```

9642 \namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
9643 \namedef{mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
9644 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9645 \expandafter\count\csname footins#1\endcsname=500\relax}
9646 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9647 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
9648 \insert\@nameuse{footins#1}{%
9649 \def\baselinestretch{\m@m@footnote@spacing}%
9650 \reset@font\@nameuse{foottextfont#1}%
9651 \@preamfntext
9652 \protected@edef\@currentlabel{%
9653 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9654 \color@begingroup
9655 \@nameuse{@sixcolfootfmt#1}{##1}%
9656 \color@endgroup}%
9657 \m@m@mmf@prepare}}
9658 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9659 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
9660 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9661 \unvbox\@nameuse{@mpfootins#1}
9662 \def\baselinestretch{\m@m@footnote@spacing}%
9663 \reset@font\@nameuse{foottextfont#1}%
9664 \hsize\columnwidth \@parboxrestore
9665 \protected@edef\@currentlabel{%
9666 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9667 \color@begingroup
9668 \@nameuse{@sixcolfootfmt#1}{##1}%
9669 \color@endgroup}\m@m@mmf@prepare}}
9670 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9671 \namedef{@sixcolfootfmt#1}##1{%
9672 \@preamsixfmt
9673 {\@nameuse{footfootmark#1}\strut
9674 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9675 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9676 \namedef{@sixcol@footgroup#1}{%
9677 \def\baselinestretch{\m@m@footnote@spacing}%
9678 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9679 \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9680 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9681 \namedef{@mpsixcol@footgroup#1}{%
9682 \def\baselinestretch{\m@m@footnote@spacing}%
9683 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9684 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9685 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9686 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9687 \@bidi@before@Hy@hyperfootnotes
9688 \let\@footnotetext\@sevendcolumnfootnotetext
9689 \let\@LTRfootnotetext\@sevendcolumnLTRfootnotetext
9690 \let\@RTLfootnotetext\@sevendcolumnRTLfootnotetext
9691 \dimen\footinsv@r=7\footinsdim

```



```

9692 \count\footinsv@r=142\relax
9693 \m@make@sevenscol@footgroup{v@r}%
9694 \let\@footgroupv@r\@sevenscol@footgroupv@r
9695 \let\@mpfootnotetext\@mpsevenscolfootnotetext
9696 \let\@mpLTRfootnotetext\@mpsevenscolLTRfootnotetext
9697 \let\@mpRTLfootnotetext\@mpsevenscolRTLfootnotetext
9698 \@bidi@after@Hy@hyperfootnotes
9699 \m@make@mpsevenscol@footgroup{v@r}%
9700 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r}
9701 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9702 \def\baselinestretch{\m@m@footnote@spacing}%
9703 \reset@font\foottextfont
9704 \@preamfntext
9705 \protected@edef\@currentlabel{%
9706 \csname p@footnote\endcsname\@thefnmark}%
9707 \color@begingroup
9708 \@sevenscolfootfmt{#1}%
9709 \color@endgroup}%
9710 \m@mmf@prepare}
9711 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9712 \def\baselinestretch{\m@m@footnote@spacing}%
9713 \reset@font\LTRfoottextfont
9714 \@preamfntext
9715 \protected@edef\@currentlabel{%
9716 \csname p@footnote\endcsname\@thefnmark}%
9717 \color@begingroup
9718 \@sevenscolLTRfootfmt{#1}%
9719 \color@endgroup}%
9720 \m@mmf@prepare}
9721 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9722 \def\baselinestretch{\m@m@footnote@spacing}%
9723 \reset@font\RTLfoottextfont
9724 \@preamfntext
9725 \protected@edef\@currentlabel{%
9726 \csname p@footnote\endcsname\@thefnmark}%
9727 \color@begingroup
9728 \@sevenscolRTLfootfmt{#1}%
9729 \color@endgroup}%
9730 \m@mmf@prepare}
9731 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9732 \hsize .142\hsize
9733 \parindent=\z@
9734 \tolerance=5000\relax
9735 \leavevmode}
9736 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9737 \@preamsevenfmt
9738 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9739 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9740 \@preamsevenfmt
9741 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}

```



```

9742 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9743   \@preamsevenfmt
9744   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9745 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9746   \global\setbox\@mpfootinsv@r\vbox{%
9747     \unvbox\@mpfootinsv@r
9748     \def\baselinestretch{\m@m@footnote@spacing}%
9749     \reset@font\foottextfont
9750     \hsize\columnwidth \@parboxrestore
9751     \protected@edef\@currentlabel{%
9752       \csname p@mpfootnote\endcsname\@thefnmark}%
9753     \color@begingroup
9754       \@sevencolfootfmt{#1}%
9755     \color@endgroup}%
9756   \m@m@mmf@prepare}
9757 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
9758   \global\setbox\@mpfootinsv@r\vbox{%
9759     \unvbox\@mpfootinsv@r
9760     \def\baselinestretch{\m@m@footnote@spacing}%
9761     \reset@font\LTRfoottextfont
9762     \hsize\columnwidth \@parboxrestore
9763     \if@RTLcolumnfootnotes\beginL\fi
9764     \protected@edef\@currentlabel{%
9765       \csname p@mpfootnote\endcsname\@thefnmark}%
9766     \color@begingroup
9767       \@sevencolLTRfootfmt{#1}%
9768     \color@endgroup}%
9769   \m@m@mmf@prepare}
9770 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
9771   \global\setbox\@mpfootinsv@r\vbox{%
9772     \unvbox\@mpfootinsv@r
9773     \def\baselinestretch{\m@m@footnote@spacing}%
9774     \reset@font\RTLfoottextfont
9775     \hsize\columnwidth \@parboxrestore
9776     \protected@edef\@currentlabel{%
9777       \csname p@mpfootnote\endcsname\@thefnmark}%
9778     \color@begingroup
9779       \@sevencolRTLfootfmt{#1}%
9780     \color@endgroup}%
9781   \m@m@mmf@prepare}
9782 \bidi@ensure@newcommand{\sevencolumnfootstyle}[1]{%
9783   \m@make@sevencolfootnotetext{#1}%
9784   \m@make@mpsevencolfootnotetext{#1}%
9785   \m@make@sevencolfootfmt{#1}%
9786   \m@make@sevencol@footgroup{#1}%
9787   \m@make@mpsevencol@footgroup{#1}%
9788   \m@make@footstart{#1}%
9789   \bidi@namelongdef{\@footnotetext#1}##1{%
9790     \@nameuse{\@sevencolfootnotetext#1}{##1}}%
9791   \bidi@namelongdef{\@mpfootnotetext#1}##1{%

```



```

9792 \nameuse{@mpsevencolfootnotetext#1}{##1}}%
9793 \@namedef{@footgroup#1}{\nameuse{@sevencol@footgroup#1}}%
9794 \@namedef{mp@footgroup#1}{\nameuse{@mpsevencol@footgroup#1}}%
9795 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9796 \expandafter\count\csname footins#1\endcsname=500\relax
9797 \bidi@ensure@newcommand{\m@make@sevencolfootnotetext}[1]{%
9798 \bidi@namelongdef{@sevencolfootnotetext#1}{##1}{%
9799 \insert\nameuse{footins#1}{%
9800 \def\baselinestretch{\m@m@footnote@spacing}%
9801 \reset@font\nameuse{foottextfont#1}%
9802 \preamfntext
9803 \protected@edef\currentlabel{%
9804 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9805 \color@begingroup
9806 \nameuse{@sevencolfootfmt#1}{##1}%
9807 \color@endgroup}%
9808 \m@m@prepare}}
9809 \bidi@ensure@newcommand{\m@make@mpsevencolfootnotetext}[1]{%
9810 \bidi@namelongdef{@mpsevencolfootnotetext#1}{##1}{%
9811 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9812 \unvbox\nameuse{@mpfootins#1}
9813 \def\baselinestretch{\m@m@footnote@spacing}%
9814 \reset@font\nameuse{foottextfont#1}%
9815 \hsize\columnwidth \@parboxrestore
9816 \protected@edef\currentlabel{%
9817 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9818 \color@begingroup
9819 \nameuse{@sevencolfootfmt#1}{##1}%
9820 \color@endgroup}\m@m@prepare}}
9821 \bidi@ensure@newcommand{\m@make@sevencolfootfmt}[1]{%
9822 \@namedef{@sevencolfootfmt#1}{##1}{%
9823 \@preamsevenfmt
9824 {\nameuse{footfootmark#1}\strut
9825 {\nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9826 \bidi@ensure@newcommand{\m@make@sevencol@footgroup}[1]{%
9827 \@namedef{@sevencol@footgroup#1}{%
9828 \def\baselinestretch{\m@m@footnote@spacing}%
9829 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9830 \m@mrigidbodybalance{\nameuse{footins#1}}{7}{\splittopskip}}}%
9831 \bidi@ensure@newcommand{\m@make@mpsevencol@footgroup}[1]{%
9832 \@namedef{@mpsevencol@footgroup#1}{%
9833 \def\baselinestretch{\m@m@footnote@spacing}%
9834 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9835 \m@mrigidbodybalance{\nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9836 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9837 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9838 \@bidi@before@Hy@hyperfootnotes
9839 \let\@footnotetext\@eightcolfootnotetext
9840 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9841 \let\@RTLfootnotetext\@eightcolRTLfootnotetext

```



```

9842 \dimen\footinsv@r=8\footinsdim
9843 \count\footinsv@r=125\relax
9844 \m@make@eightcol@footgroup{v@r}%
9845 \let\@footgroupv@r\@eightcol@footgroupv@r
9846 \let\@mpfootnotetext\@mpeightcolfootnotetext
9847 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9848 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9849 \@bidi@after@Hy@hyperfootnotes
9850 \m@make@mpeightcol@footgroup{v@r}%
9851 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9852 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9853 \def\baselinestretch{\m@m@footnote@spacing}%
9854 \reset@font\foottextfont
9855 \@preamfntext
9856 \protected@edef\@currentlabel{%
9857 \csname p@footnote\endcsname\@thefnmark}%
9858 \color@begingroup
9859 \@eightcolfootfmt{#1}%
9860 \color@endgroup}%
9861 \m@mmf@prepare}
9862 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9863 \def\baselinestretch{\m@m@footnote@spacing}%
9864 \reset@font\LTRfootttextfont
9865 \@preamfntext
9866 \protected@edef\@currentlabel{%
9867 \csname p@footnote\endcsname\@thefnmark}%
9868 \color@begingroup
9869 \@eightcolLTRfootfmt{#1}%
9870 \color@endgroup}%
9871 \m@mmf@prepare}
9872 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9873 \def\baselinestretch{\m@m@footnote@spacing}%
9874 \reset@font\RTLfootttextfont
9875 \@preamfntext
9876 \protected@edef\@currentlabel{%
9877 \csname p@footnote\endcsname\@thefnmark}%
9878 \color@begingroup
9879 \@eightcolRTLfootfmt{#1}%
9880 \color@endgroup}%
9881 \m@mmf@prepare}
9882 \bidi@ensure@newcommand{\@preameightfmt}{%
9883 \hsize .125\hsize
9884 \parindent=\z@
9885 \tolerance=5000\relax
9886 \leavevmode}
9887 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9888 \@preameightfmt
9889 {\footfootmark\strut {\footttextfont #1}\strut\par}\allowbreak}
9890 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9891 \@preameightfmt

```



```

9892 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9893 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9894   \@preameightfmt
9895   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9896 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9897   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9898     \unvbox\@mpfootinsv@r
9899     \def\baselinestretch{\m@m@footnote@spacing}%
9900     \reset@font\foottextfont
9901     \hsize\columnwidth \@parboxrestore
9902     \protected@edef\@currentlabel{%
9903       \csname p@mpfootnote\endcsname\@thefnmark}%
9904     \color@begingroup
9905       \@eightcolfootfmt{#1}%
9906     \color@endgroup}%
9907   \m@m@mmf@prepare}
9908 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9909   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9910     \unvbox\@mpfootinsv@r
9911     \def\baselinestretch{\m@m@footnote@spacing}%
9912     \reset@font\LTRfoottextfont
9913     \hsize\columnwidth \@parboxrestore
9914     \if@RTLcolumnfootnotes\beginL\fi
9915     \protected@edef\@currentlabel{%
9916       \csname p@mpfootnote\endcsname\@thefnmark}%
9917     \color@begingroup
9918       \@eightcolLTRfootfmt{#1}%
9919     \color@endgroup}%
9920   \m@m@mmf@prepare}
9921 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9922   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9923     \unvbox\@mpfootinsv@r
9924     \def\baselinestretch{\m@m@footnote@spacing}%
9925     \reset@font\RTLfoottextfont
9926     \hsize\columnwidth \@parboxrestore
9927     \protected@edef\@currentlabel{%
9928       \csname p@mpfootnote\endcsname\@thefnmark}%
9929     \color@begingroup
9930       \@eightcolRTLfootfmt{#1}%
9931     \color@endgroup}%
9932   \m@m@mmf@prepare}
9933 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9934   \m@make@eightcolfootnotetext{#1}%
9935   \m@make@mpeightcolfootnotetext{#1}%
9936   \m@make@eightcolfootfmt{#1}%
9937   \m@make@eightcol@footgroup{#1}%
9938   \m@make@mpeightcol@footgroup{#1}%
9939   \m@make@footstart{#1}%
9940   \bidi@namelongdef{\footnotetext#1}##1{%
9941     \@nameuse{\@eightcolfootnotetext#1}{##1}}%

```



```

9942 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9943   \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
9944 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
9945 \@namedef{mp@footgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
9946 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9947 \expandafter\count\csname footins#1\endcsname=500\relax
9948 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9949   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9950     \insert\@nameuse{footins#1}{%
9951       \def\baselinestretch{\m@m@footnote@spacing}%
9952       \reset@font\@nameuse{foottextfont#1}%
9953       \@preamfntext
9954       \protected@edef\@currentlabel{%
9955         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9956       \color@begingroup
9957         \@nameuse{@eightcolfootfmt#1}{##1}%
9958       \color@endgroup}%
9959       \m@mmf@prepare}}
9960 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9961 \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9962   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9963     \unvbox\@nameuse{@mpfootins#1}
9964     \def\baselinestretch{\m@m@footnote@spacing}%
9965     \reset@font\@nameuse{foottextfont#1}%
9966     \hsize\columnwidth \@parboxrestore
9967     \protected@edef\@currentlabel{%
9968       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9969     \color@begingroup
9970       \@nameuse{@eightcolfootfmt#1}{##1}%
9971     \color@endgroup}\m@mmf@prepare}}
9972 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9973   \@namedef{@eightcolfootfmt#1}##1{%
9974     \@preameightfmt
9975     {\@nameuse{footfootmark#1}\strut
9976      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9977 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9978   \@namedef{@eightcol@footgroup#1}{%
9979     \def\baselinestretch{\m@m@footnote@spacing}%
9980     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9981     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9982 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9983   \@namedef{@mpeightcol@footgroup#1}{%
9984     \def\baselinestretch{\m@m@footnote@spacing}%
9985     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9986     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
9987 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9988   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9989   \@bidi@before@Hy@hyperfootnotes
9990   \let\@footnotetext\@ninecolfootnotetext
9991   \let\@LTRfootnotetext\@ninecollTRfootnotetext

```



```

9992 \let\@RTLfootnotetext\@ninelcolRTLfootnotetext
9993 \dimen\footinsv@r=9\footinsdim
9994 \count\footinsv@r=111\relax
9995 \m@make@ninelcol@footgroup{v@r}%
9996 \let\@footgroupv@r\@ninelcol@footgroupv@r
9997 \let\@mpfootnotetext\@mpninelcolfootnotetext
9998 \let\@mpLTRfootnotetext\@mpninelcolLTRfootnotetext
9999 \let\@mpRTLfootnotetext\@mpninelcolRTLfootnotetext
10000 \@bidi@after@Hy@hyperfootnotes
10001 \m@make@mpninelcol@footgroup{v@r}%
10002 \let\mp@footgroupv@r\@mpninelcol@footgroupv@r}
10003 \bidi@ensure@newcommand{\@ninelcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10004 \def\baselinestretch{\m@m@footnote@spacing}%
10005 \reset@font\foottextfont
10006 \@preamfntext
10007 \protected@edef\@currentlabel{%
10008 \csname p@footnote\endcsname\@thefnmark}%
10009 \color@begingroup
10010 \@ninelcolfootfmt{#1}%
10011 \color@endgroup}%
10012 \m@mmf@prepare}
10013 \bidi@ensure@newcommand{\@ninelcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10014 \def\baselinestretch{\m@m@footnote@spacing}%
10015 \reset@font\LTRfoottextfont
10016 \@preamfntext
10017 \protected@edef\@currentlabel{%
10018 \csname p@footnote\endcsname\@thefnmark}%
10019 \color@begingroup
10020 \@ninelcolLTRfootfmt{#1}%
10021 \color@endgroup}%
10022 \m@mmf@prepare}
10023 \bidi@ensure@newcommand{\@ninelcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10024 \def\baselinestretch{\m@m@footnote@spacing}%
10025 \reset@font\RTLfoottextfont
10026 \@preamfntext
10027 \protected@edef\@currentlabel{%
10028 \csname p@footnote\endcsname\@thefnmark}%
10029 \color@begingroup
10030 \@ninelcolRTLfootfmt{#1}%
10031 \color@endgroup}%
10032 \m@mmf@prepare}
10033 \bidi@ensure@newcommand{\@preamninefmt}{%
10034 \hsize .1\hsize
10035 \parindent=\z@
10036 \tolerance=5000\relax
10037 \leavevmode}
10038 \bidi@ensure@newcommand{\@ninelcolfootfmt}[1]{%
10039 \@preamninefmt
10040 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10041 \bidi@ensure@newcommand{\@ninelcolLTRfootfmt}[1]{%

```




```

10042 \@preamninefmt
10043 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10044 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
10045   \@preamninefmt
10046   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10047 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
10048   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10049     \unvbox\@mpfootinsv@r
10050     \def\baselinestretch{\m@m@footnote@spacing}%
10051     \reset@font\foottextfont
10052     \hsize\columnwidth \@parboxrestore
10053     \protected@edef\@currentlabel{%
10054       \csname p@mpfootnote\endcsname\@thefnmark}%
10055     \color@begingroup
10056       \@ninecolfootfmt{#1}%
10057     \color@endgroup}%
10058   \m@mmf@prepare}
10059 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
10060   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10061     \unvbox\@mpfootinsv@r
10062     \def\baselinestretch{\m@m@footnote@spacing}%
10063     \reset@font\LTRfoottextfont
10064     \hsize\columnwidth \@parboxrestore
10065     \if@RTLcolumnfootnotes\beginL\fi
10066     \protected@edef\@currentlabel{%
10067       \csname p@mpfootnote\endcsname\@thefnmark}%
10068     \color@begingroup
10069       \@ninecolLTRfootfmt{#1}%
10070     \color@endgroup}%
10071   \m@mmf@prepare}
10072 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10073   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10074     \unvbox\@mpfootinsv@r
10075     \def\baselinestretch{\m@m@footnote@spacing}%
10076     \reset@font\RTLfoottextfont
10077     \hsize\columnwidth \@parboxrestore
10078     \protected@edef\@currentlabel{%
10079       \csname p@mpfootnote\endcsname\@thefnmark}%
10080     \color@begingroup
10081       \@ninecolRTLfootfmt{#1}%
10082     \color@endgroup}%
10083   \m@mmf@prepare}
10084 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
10085   \m@make@ninecolfootnotetext{#1}%
10086   \m@make@mpninecolfootnotetext{#1}%
10087   \m@make@ninecolfootfmt{#1}%
10088   \m@make@ninecol@footgroup{#1}%
10089   \m@make@mpninecol@footgroup{#1}%
10090   \m@make@footstart{#1}%
10091   \bidi@namelongdef{\footnotetext#1}##1%

```



```

10092 \nameuse{@ninecolfootnotetext#1}{##1}}%
10093 \bidi@namelongdef{@mpfootnotetext#1}##1{%
10094 \nameuse{@mpninecolfootnotetext#1}{##1}}%
10095 \@namedef{footgroup#1}{\nameuse{@ninecolfootgroup#1}}%
10096 \@namedef{mpfootgroup#1}{\nameuse{@mpninecolfootgroup#1}}%
10097 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10098 \expandafter\count\csname footins#1\endcsname=500\relax
10099 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
10100 \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
10101 \insert\nameuse{footins#1}{%
10102 \def\baselinestretch{\m@m@footnote@spacing}%
10103 \reset@font\nameuse{foottextfont#1}%
10104 \preamfntext
10105 \protected@edef\currentlabel{%
10106 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
10107 \color@begingroup
10108 \nameuse{@ninecolfootfmt#1}{##1}%
10109 \color@endgroup}%
10110 \m@mmf@prepare}}
10111 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
10112 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
10113 \global\setbox\nameuse{@mpfootins#1}\vbox{%
10114 \unvbox\nameuse{@mpfootins#1}
10115 \def\baselinestretch{\m@m@footnote@spacing}%
10116 \reset@font\nameuse{foottextfont#1}%
10117 \hsize\columnwidth \parboxrestore
10118 \protected@edef\currentlabel{%
10119 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
10120 \color@begingroup
10121 \nameuse{@ninecolfootfmt#1}{##1}%
10122 \color@endgroup}\m@mmf@prepare}}
10123 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
10124 \@namedef{@ninecolfootfmt#1}##1{%
10125 \preamninefmt
10126 {\nameuse{footfootmark#1}\strut
10127 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10128 \bidi@ensure@newcommand{\m@make@ninecolfootgroup}[1]{%
10129 \@namedef{@ninecolfootgroup#1}{%
10130 \def\baselinestretch{\m@m@footnote@spacing}%
10131 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10132 \m@mrigidbalance{\nameuse{footins#1}}{9}{\splittopskip}}}}
10133 \bidi@ensure@newcommand{\m@make@mpninecolfootgroup}[1]{%
10134 \@namedef{@mpninecolfootgroup#1}{%
10135 \def\baselinestretch{\m@m@footnote@spacing}%
10136 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10137 \m@mrigidbalance{\nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
10138 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10139 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10140 \@bidi@before@Hy@hyperfootnotes
10141 \let\@footnotetext\@tencolfootnotetext

```



```

10142 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10143 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10144 \dimen\footinsv@r=10\footinsdim
10145 \count\footinsv@r=100\relax
10146 \m@make@tencol@footgroup{v@r}%
10147 \let\@footgroupv@r\@tencol@footgroupv@r
10148 \let\@mpfootnotetext\@mptencolfootnotetext
10149 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10150 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10151 \@bidi@after@Hy@hyperfootnotes
10152 \m@make@mptencol@footgroup{v@r}%
10153 \let\mp@footgroupv@r\@mptencol@footgroupv@r
10154 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10155 \def\baselinestretch{\m@m@footnote@spacing}%
10156 \reset@font\foottextfont
10157 \@preamfntext
10158 \protected@edef\@currentlabel{%
10159 \csname p@footnote\endcsname\@thefnmark}%
10160 \color@begingroup
10161 \@tencolfootfmt{#1}%
10162 \color@endgroup}%
10163 \m@mmf@prepare}
10164 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10165 \def\baselinestretch{\m@m@footnote@spacing}%
10166 \reset@font\LTRfoottextfont
10167 \@preamfntext
10168 \protected@edef\@currentlabel{%
10169 \csname p@footnote\endcsname\@thefnmark}%
10170 \color@begingroup
10171 \@tencolLTRfootfmt{#1}%
10172 \color@endgroup}%
10173 \m@mmf@prepare}
10174 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10175 \def\baselinestretch{\m@m@footnote@spacing}%
10176 \reset@font\RTLfoottextfont
10177 \@preamfntext
10178 \protected@edef\@currentlabel{%
10179 \csname p@footnote\endcsname\@thefnmark}%
10180 \color@begingroup
10181 \@tencolRTLfootfmt{#1}%
10182 \color@endgroup}%
10183 \m@mmf@prepare}
10184 \bidi@ensure@newcommand{\@preamtenfmt}{%
10185 \hspace .1\hspace
10186 \parindent=\z@
10187 \tolerance=5000\relax
10188 \leavevmode}
10189 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10190 \@preamtenfmt
10191 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

10192 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10193   \@preamtenfmt
10194   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10195 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10196   \@preamtenfmt
10197   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10198 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10199   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10200     \unvbox\@mpfootinsv@r
10201     \def\baselinestretch{\m@m@footnote@spacing}%
10202     \reset@font\foottextfont
10203     \hsize\columnwidth \@parboxrestore
10204     \protected@edef\@currentlabel{%
10205       \csname p@mpfootnote\endcsname\@thefnmark}%
10206     \color@begingroup
10207       \@tencolfootfmt{#1}%
10208     \color@endgroup}%
10209   \m@m@mmf@prepare}
10210 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10211   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10212     \unvbox\@mpfootinsv@r
10213     \def\baselinestretch{\m@m@footnote@spacing}%
10214     \reset@font\LTRfoottextfont
10215     \hsize\columnwidth \@parboxrestore
10216     \if@RTLcolumnfootnotes\beginL\fi
10217     \protected@edef\@currentlabel{%
10218       \csname p@mpfootnote\endcsname\@thefnmark}%
10219     \color@begingroup
10220       \@tencolLTRfootfmt{#1}%
10221     \color@endgroup}%
10222   \m@m@mmf@prepare}
10223 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10224   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10225     \unvbox\@mpfootinsv@r
10226     \def\baselinestretch{\m@m@footnote@spacing}%
10227     \reset@font\RTLfoottextfont
10228     \hsize\columnwidth \@parboxrestore
10229     \protected@edef\@currentlabel{%
10230       \csname p@mpfootnote\endcsname\@thefnmark}%
10231     \color@begingroup
10232       \@tencolRTLfootfmt{#1}%
10233     \color@endgroup}%
10234   \m@m@mmf@prepare}
10235 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10236   \m@make@tencolfootnotetext{#1}%
10237   \m@make@mptencolfootnotetext{#1}%
10238   \m@make@tencolfootfmt{#1}%
10239   \m@make@tencol@footgroup{#1}%
10240   \m@make@mptencol@footgroup{#1}%
10241   \m@make@footstart{#1}%

```



```

10242 \bidi@namelongdef{@footnotetext#1}##1{%
10243   \@nameuse{@tencolfootnotetext#1}{##1}}%
10244 \bidi@namelongdef{@mpfootnotetext#1}##1{%
10245   \@nameuse{@mptencolfootnotetext#1}{##1}}%
10246 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
10247 \@namedef{@mp@footgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
10248 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10249 \expandafter\count\csname footins#1\endcsname=500\relax}
10250 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10251   \bidi@namelongdef{@tencolfootnotetext#1}##1{%
10252     \insert\@nameuse{footins#1}{%
10253       \def\baselinestretch{\m@m@footnote@spacing}%
10254       \reset@font\@nameuse{foottextfont#1}%
10255       \@preamfntext
10256       \protected@edef\@currentlabel{%
10257         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10258       \color@begingroup
10259         \@nameuse{@tencolfootfmt#1}{##1}%
10260       \color@endgroup}%
10261       \m@m@mmf@prepare}}
10262 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10263   \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
10264     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10265       \unvbox\@nameuse{@mpfootins#1}
10266       \def\baselinestretch{\m@m@footnote@spacing}%
10267       \reset@font\@nameuse{foottextfont#1}%
10268       \hsize\columnwidth \@parboxrestore
10269       \protected@edef\@currentlabel{%
10270         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10271       \color@begingroup
10272         \@nameuse{@tencolfootfmt#1}{##1}%
10273       \color@endgroup}\m@m@mmf@prepare}}
10274 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10275   \@namedef{@tencolfootfmt#1}##1{%
10276     \@preamtenfmt
10277     {\@nameuse{footfootmark#1}\strut
10278     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10279 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10280   \@namedef{@tencol@footgroup#1}{%
10281     \def\baselinestretch{\m@m@footnote@spacing}%
10282     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10283     \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10284 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10285   \@namedef{@mptencol@footgroup#1}{%
10286     \def\baselinestretch{\m@m@footnote@spacing}%
10287     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10288     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
10289 \bidi@ensure@newcommand{\m@m@munvxh}[1]{%
10290   \setbox0=\vbox{\unvbox#1}
10291   \global\setbox1=\lastbox}%

```



```

10292 \unhbox1
10293 \unskip
10294 \unskip
10295 \unpenalty
10296 \hskip\m@mipn@skip}
10297 \bidi@ensure@newcommand{\m@mungebox}{%
10298 \setbox0=\hbox{\m@munvxh0}%
10299 \dp0=\z@
10300 \ht0=\footfudgefactor\wd0
10301 \box0
10302 \penalty0}
10303 \newskip\m@mipn@skip
10304 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
10305 {\foottextfont\global\m@mipn@skip=#1\relax}}
10306 \m@minterparanoteglua{1em plus.4em minus.4em}
10307 \@ifpackageloaded{multicol}{%
10308 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10309 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10310 \hsize\textwidth%
10311 \setbox0=\hbox{}%
10312 \loop
10313 \unpenalty
10314 \setbox2=\lastbox
10315 \ifhbox2
10316 \setbox0=\hbox{\box2\unhbox0}
10317 \repeat}
10318 }{%
10319 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10320 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10321 \setbox0=\hbox{}%
10322 \loop
10323 \unpenalty
10324 \setbox2=\lastbox
10325 \ifhbox2
10326 \setbox0=\hbox{\box2\unhbox0}
10327 \repeat}}
10328 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10329 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10330 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10331 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10332 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10333 \@bidi@before@Hy@hyperfootnotes
10334 \let\@footnotetext\@parafootnotetext
10335 \let\@LTRfootnotetext\@paraLTRfootnotetext
10336 \let\@RTLfootnotetext\@paraRTLfootnotetext
10337 \dimen\footinsv@r=\footinsdim
10338 \count\footinsv@r=1000\relax
10339 \m@make@para@footgroup{v@r}%
10340 \let\@footgroupv@r\@para@footgroupv@r
10341 \let\@mpfootnotetext\@mpparafootnotetext

```



```

10342 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10343 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10344 \@bidi@after@Hy@hyperfootnotes
10345 \m@make@mppara@footgroup{v@r}%
10346 \let\mp@footgroupv@r\@mppara@footgroupv@r
10347 \begingroup
10348 \def\baselinestretch{\m@m@footnote@spacing}%
10349 \foottextfont
10350 \@tempdima\normalbaselineskip
10351 \multiply \@tempdima \@cclvi
10352 \@tempdimb \columnwidth
10353 \divide \@tempdimb \@cclvi
10354 \divide \@tempdima \@tempdimb
10355 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10356 \endgroup
10357 }
10358 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10359 \let\bidi@RTL@everypar\@empty%
10360 \def\baselinestretch{\m@m@footnote@spacing}%
10361 \reset@font\foottextfont
10362 \@preamfntext
10363 \protected@edef\@currentlabel{%
10364 \csname p@footnote\endcsname\@thefnmark}%
10365 \setbox0=\vbox{\hsize=\maxdimen
10366 \color@begingroup
10367 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10368 \color@endgroup}%
10369 \m@mungebox}\m@m@mmf@prepare}
10370 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10371 \let\bidi@RTL@everypar\@empty%
10372 \def\baselinestretch{\m@m@footnote@spacing}%
10373 \reset@font\LTRfoottextfont
10374 \@preamfntext
10375 \protected@edef\@currentlabel{%
10376 \csname p@footnote\endcsname\@thefnmark}%
10377 \setbox0=\vbox{\hsize=\maxdimen
10378 \color@begingroup
10379 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10380 \color@endgroup}%
10381 \m@mungebox}\m@m@mmf@prepare}
10382 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10383 \let\bidi@RTL@everypar\@empty%
10384 \def\baselinestretch{\m@m@footnote@spacing}%
10385 \reset@font\RTLfoottextfont
10386 \@preamfntext
10387 \protected@edef\@currentlabel{%
10388 \csname p@footnote\endcsname\@thefnmark}%
10389 \setbox0=\vbox{\hsize=\maxdimen
10390 \color@begingroup
10391 \noindent \@paraRTLfootfmt{\beginR#1\endR}%

```



```

10392 \color@endgroup}%
10393 \m@mungebox}\m@mmf@prepare}
10394 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10395 \parindent=\z@
10396 \parfillskip=0pt \@plus 1fil
10397 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10398 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10399 \parindent=\z@
10400 \parfillskip=0pt \@plus 1fil
10401 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10402 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10403 \parindent=\z@
10404 \parfillskip=0pt \@plus 1fil
10405 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10406 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10407 \global\setbox\@mpfootinsv@r\vbox{%
10408 \let\bidi@RTL@everypar\@empty%
10409 \def\baselinestretch{\m@m@footnote@spacing}%
10410 \unvbox\@mpfootinsv@r
10411 \reset@font\foottextfont
10412 \hsize\columnwidth \@parboxrestore
10413 \protected@edef\@currentlabel{%
10414 \csname p@mpfootnote\endcsname\@thefnmark}%
10415 \setbox0=\vbox{\hsize=\maxdimen
10416 \color@begingroup
10417 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10418 \color@endgroup}%
10419 \m@mungebox}\m@mmf@prepare}
10420 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10421 \global\setbox\@mpfootinsv@r\vbox{%
10422 \let\bidi@RTL@everypar\@empty%
10423 \def\baselinestretch{\m@m@footnote@spacing}%
10424 \unvbox\@mpfootinsv@r
10425 \reset@font\LTRfoottextfont
10426 \hsize\columnwidth \@parboxrestore
10427 \protected@edef\@currentlabel{%
10428 \csname p@mpfootnote\endcsname\@thefnmark}%
10429 \setbox0=\vbox{\hsize=\maxdimen
10430 \color@begingroup
10431 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10432 \color@endgroup}%
10433 \m@mungebox}\m@mmf@prepare}
10434 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10435 \global\setbox\@mpfootinsv@r\vbox{%
10436 \let\bidi@RTL@everypar\@empty%
10437 \def\baselinestretch{\m@m@footnote@spacing}%
10438 \unvbox\@mpfootinsv@r
10439 \reset@font\RTLfoottextfont
10440 \hsize\columnwidth \@parboxrestore
10441 \protected@edef\@currentlabel{%

```




```

10442      \csname p@mpfootnote\endcsname\@thefnmark}%
10443      \setbox0=\vbox{\hsize=\maxdimen
10444      \color@begingroup
10445      \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10446      \color@endgroup}%
10447      \m@mungebox}\m@mmf@prepare}
10448 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10449   \m@make@parafootnotetext{#1}%
10450   \m@make@mpparafootnotetext{#1}%
10451   \m@make@parafootfmt{#1}%
10452   \m@make@para@footgroup{#1}%
10453   \m@make@mppara@footgroup{#1}%
10454   \m@make@para@footstart{#1}%
10455   \bidi@namelongdef{@footnotetext#1}##1{%
10456     \@nameuse{@parafootnotetext#1}{##1}}%
10457   \bidi@namelongdef{@mpfootnotetext#1}##1{%
10458     \@nameuse{@mpparafootnotetext#1}{##1}}%
10459   \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
10460   \@namedef{@mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
10461   \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
10462   \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10463   \expandafter\count\csname footins#1\endcsname=1000\relax
10464   \begingroup
10465   \def\baselinestretch{\m@m@footnote@spacing}%
10466   \@nameuse{foottextfont#1}%
10467   \@tempdima\normalbaselineskip
10468   \multiply \@tempdima \@cclvi
10469   \@tempdimb \columnwidth
10470   \divide \@tempdimb \@cclvi
10471   \divide \@tempdima \@tempdimb
10472   \xdef\footfudgefactor{\strip@pt\@tempdima}%
10473   \endgroup
10474 }
10475 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
10476 \bidi@namelongdef{@parafootnotetext#1}##1{%
10477   \insert\@nameuse{footins#1}{
10478     \def\baselinestretch{\m@m@footnote@spacing}%
10479     \reset@font\@nameuse{foottextfont#1}%
10480     \@preamfntext
10481     \protected@edef\@currentlabel{%
10482       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10483     \setbox0=\vbox{\hsize=\maxdimen
10484     \color@begingroup
10485     \noindent \@nameuse{@parafootfmt#1}{##1}%
10486     \color@endgroup}%
10487     \m@mungebox}\m@mmf@prepare}}
10488 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10489 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
10490   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10491     \unvbox\@nameuse{@mpfootins#1}

```



```

10492 \def\baselinestretch{\m@m@footnote@spacing}%
10493 \reset@font\@nameuse{foottextfont#1}%
10494 \hsize\columnwidth \@parboxrestore
10495 \protected@edef\@currentlabel{%
10496   \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10497 \setbox0=\vbox{\hsize=\maxdimen
10498   \color@begingroup
10499   \noindent \@nameuse{@parafootfmt#1}{##1}%
10500   \color@endgroup}%
10501 \m@mungebox}\m@mmf@prepare}}
10502 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10503 \bidi@namelongdef{@parafootfmt#1}##1{%
10504   \parindent=\z@
10505   \parfillskip=0pt \@plus 1fil
10506   {\@nameuse{footfootmark#1}\strut
10507    {\@nameuse{foottextfont#1}##1\penalty-10}}}
10508 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10509 \@namedef{@para@footgroup#1}{%
10510   \unvbox\@nameuse{footins#1}
10511   \m@mmakehboxofhboxes
10512   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10513   \@parboxrestore%
10514   \def\baselinestretch{\m@m@footnote@spacing}%
10515   \@nameuse{foottextfont#1}%
10516   \noindent\unhbox0\par}}
10517 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10518 \@namedef{@mppara@footgroup#1}{%
10519   \unvbox\@nameuse{mpfootins#1}
10520   \m@mmakehboxofhboxes
10521   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10522   \def\baselinestretch{\m@m@footnote@spacing}%
10523   \@nameuse{foottextfont#1}%
10524   \noindent\unhbox0\par}}
10525 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10526 \@namedef{@para@footstart#1}{%
10527   \vskip\bigskipamount
10528   \leftskip=\z@
10529   \rightskip=\z@
10530   \parindent=\z@
10531   \vskip\skip\@nameuse{footins#1}%
10532   \footnoterule}}
10533 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10534 \xdef\@freelist{\@freelist\@midlist}%
10535 \global\let\@midlist\@empty
10536 \@combinefloats}
10537 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10538   \ifvbox\@kludgeins
10539     \@makespecialcolbox
10540   \else
10541     \setbox\@outputbox \vbox to\@colht{%

```



```

10542      \@texttop
10543      \dimen@ \dp\@outputbox
10544      \unvbox \@outputbox
10545      \vskip -\dimen@
10546      \@textbottom}%
10547 \fi}
10548 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10549 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10550 \boxmaxdepth\@maxdepth
10551 \@tempdima\dp\@cclv
10552 \unvbox\@cclv
10553 \vskip-\@tempdima
10554 \bidi@mopfn@bottom
10555 \vskip \skip\footins
10556 \color@begingroup
10557 \normalcolor
10558 \footnoterule
10559 \unvbox \footins
10560 \color@endgroup}}
10561 \newcommand*{\bidi@mopfootnotebf}{%
10562 \setbox\@outputbox \vbox{%
10563 \boxmaxdepth\@maxdepth
10564 \unvbox\@outputbox
10565 \bidi@mopfn@bottom
10566 \vskip\skip\footins
10567 \color@begingroup
10568 \normalcolor
10569 \footnoterule
10570 \unvbox \footins
10571 \color@endgroup}}
10572 \gdef\mem@makecol{%
10573 \m@m@makecolintro
10574 \ifvoid\footins
10575 \setbox\@outputbox \box\@cclv
10576 \else
10577 \m@mopfootnote
10578 \fi
10579 \m@mdoextrafeet
10580 \m@m@makecolfloats
10581 \m@m@makecoltext
10582 \global \maxdepth \@maxdepth}
10583 \gdef\bidi@makecolbf{%
10584 \m@m@makecolintro
10585 \setbox\@outputbox \box\@cclv
10586 \m@m@makecolfloats
10587 \ifvoid\footins
10588 \else
10589 \bidi@mopfootnotebf
10590 \fi
10591 \m@mdoextrafeet

```



```

10592 \m@m@makecoltext
10593 \global \maxdepth \@maxdepth}
10594 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10595 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10596 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10597 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10598 \FeetAboveFloat
10599 \FeetBelowRagged

```

55 File extreport-xetex-bidi.def

```

10600 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10601 \renewcommand*\l@part[2]{%
10602   \ifnum \c@tocdepth >-2\relax
10603     \addpenalty{-\@highpenalty}%
10604     \addvspace{2.25em \@plus\p@}%
10605     \begingroup
10606       \setlength\@tempdima{3em}%
10607       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10608       \parfillskip -\@pnumwidth
10609       {\leavevmode
10610         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10611       \nobreak
10612       \global\@nobreaktrue
10613       \everypar{\global\@nobreakfalse\everypar{}}%
10614     \endgroup
10615   \fi}
10616 \renewcommand*\l@chapter[2]{%
10617   \ifnum \c@tocdepth >\m@ne
10618     \addpenalty{-\@highpenalty}%
10619     \vskip 1.0em \@plus\p@
10620     \setlength\@tempdima{1.5em}%
10621     \begingroup
10622       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10623       \parfillskip -\@pnumwidth
10624       \leavevmode \bfseries
10625       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10626       \hskip -\if@RTL\rightskip\else\leftskip\fi
10627       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10628       \penalty\@highpenalty
10629     \endgroup
10630   \fi}
10631 \def\@makechapterhead#1{%
10632   \vspace*{50\p@}%
10633   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10634     \ifnum \c@secnumdepth >\m@ne
10635       \huge\bfseries \@chapapp\space \thechapter
10636       \par\nobreak
10637       \vskip 20\p@
10638     \fi}

```



```

10639 \interlinepenalty\@M
10640 \Huge \bfseries #1\par\nobreak
10641 \vskip 40\p@
10642 }}
10643 \def\@makeschapterhead#1{%
10644 \vspace*{50\p@}%
10645 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10646 \normalfont
10647 \interlinepenalty\@M
10648 \Huge \bfseries #1\par\nobreak
10649 \vskip 40\p@
10650 }}
10651 \renewcommand\left@footnoterule{%
10652 \kern-3\p@
10653 \hrule\@width.4\columnwidth
10654 \kern2.6\p@}
10655 \renewcommand\right@footnoterule{%
10656 \kern-3\p@
10657 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10658 \kern2.6\p@}
10659 \renewenvironment{thebibliography}[1]
10660 {\chapter*{\bibname
10661 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10662 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10663 \bidi@@thebibliography@font@hook%
10664 \list{\@biblabel{\@arabic\c@enumiv}}%
10665 {\settowidth\labelwidth{\@biblabel{#1}}%
10666 \leftmargin\labelwidth
10667 \advance\leftmargin\labelsep
10668 \@openbib@code
10669 \usecounter{enumiv}%
10670 \let\p@enumiv\@empty
10671 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10672 \sloppy\clubpenalty4000\widowpenalty4000%
10673 \sfcode`. \@m}
10674 {\def\@noitemerr
10675 {\@latex@warning{Empty `thebibliography' environment}}%
10676 \endlist}
10677 \if@titlepage
10678 \renewcommand\maketitle{\begin{titlepage}%
10679 \let\footnotesize\small
10680 \let\right@footnoterule\relax
10681 \let\left@footnoterule\relax
10682 \let\textwidth\footnoterule\relax
10683 \let \footnote \thanks
10684 \null\vfil
10685 \vskip 60\p@
10686 \begin{center}%
10687 {\LARGE \@title \par}%
10688 \vskip 3em%

```



```

10689 {\large
10690 \lineskip .75em%
10691 \begin{tabular}[t]{c}%
10692 \@author
10693 \end{tabular}\par}%
10694 \vskip 1.5em%
10695 {\large \@date \par}% % Set date in \large size.
10696 \end{center}\par
10697 \@thanks
10698 \vfil\null
10699 \end{titlepage}%
10700 \setcounter{footnote}{0}%
10701 \global\let\thanks\relax
10702 \global\let\maketitle\relax
10703 \global\let\@thanks\@empty
10704 \global\let\@author\@empty
10705 \global\let\@date\@empty
10706 \global\let\@title\@empty
10707 \global\let\title\relax
10708 \global\let\author\relax
10709 \global\let\date\relax
10710 \global\let\and\relax
10711 }
10712 \else
10713 \renewcommand\maketitle{\par
10714 \begingroup
10715 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10716 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10717 \long\def\@makefntext##1{\parindent 1em\noindent
10718 \hb@xt@1.8em{%
10719 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10720 \if@twocolumn
10721 \ifnum \col@number=\@ne
10722 \@maketitle
10723 \else
10724 \twocolumn[\@maketitle]%
10725 \fi
10726 \else
10727 \newpage
10728 \global\@topnum\z@ % Prevents figures from going at top of page.
10729 \@maketitle
10730 \fi
10731 \thispagestyle{plain}\@thanks
10732 \endgroup
10733 \setcounter{footnote}{0}%
10734 \global\let\thanks\relax
10735 \global\let\maketitle\relax
10736 \global\let\@maketitle\relax
10737 \global\let\@thanks\@empty
10738 \global\let\@author\@empty

```



```

10739 \global\let\@date\@empty
10740 \global\let\@title\@empty
10741 \global\let\title\relax
10742 \global\let\author\relax
10743 \global\let\date\relax
10744 \global\let\and\relax
10745 }
10746 \def\@maketitle{%
10747   \newpage
10748   \null
10749   \vskip 2em%
10750   \begin{center}%
10751     \let \footnote \thanks
10752     {\LARGE \@title \par}%
10753     \vskip 1.5em%
10754     {\large
10755       \lineskip .5em%
10756       \begin{tabular}[t]{c}%
10757         \@author
10758         \end{tabular}\par}%
10759     \vskip 1em%
10760     {\large \@date}%
10761   \end{center}%
10762   \par
10763   \vskip 1.5em}
10764 \fi
10765 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10766 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
10767 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
10768 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\cparagraph}
10769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
10770 \renewcommand\theequation{%
10771   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10772 \renewcommand\thefigure{%
10773   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10774 \renewcommand\thetable{%
10775   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10776 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10777 \def\fancy@oval#1#2#3{%
10778   \boxmaxdepth \maxdimen
10779   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10780   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10781   \@ovxx#1\relax
10782   \advance\@ovxx-\@wholewidth
10783   \@ovyy#2\relax
10784   \advance\@ovyy-\@wholewidth
10785   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \else \@ovyy \fi

```



```

10786 \advance\@tempdimb-2\p@
10787 \ifdim\@tempdimb>\the@cornersize\relax
10788   \@tempdimb=\the@cornersize
10789 \fi
10790 \@getcirc\@tempdimb
10791 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10792 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10793 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10794 \@circlefnt
10795 \setbox\@tempboxa\hbox{\beginL%
10796   \if@ovr \@ovvert32\kern -\@tempdima \fi
10797   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10798   \if@ovt \@ovhorz \kern -\@ovxx \fi
10799   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10800 \advance\@ovdx\@ovro
10801 \advance\@ovdy\@ovro
10802 \advance\@ovxx\@wholewidth
10803 \wd\@tempboxa=\@ovxx
10804 \dp\@tempboxa=\z@}

```

57 File fancyhdr-xetex-bidi.def

```

10805 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10806
10807 \let\f@nch@everypar\everypar
10808
10809 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10810   \f@nch@vbox\headheight{\hbox
10811     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10812     \parbox[b]{\headwidth}{\centering#3}\hfill
10813     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10814
10815 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10816   \f@nch@vbox\footskip{\footrule
10817     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10818     \parbox[t]{\headwidth}{\centering#3}\hfill
10819     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10820

```

58 File fix2col-xetex-bidi.def

```

10821 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10822 \def\RTL@outputdblcol{%
10823   \if@firstcolumn
10824     \global\@firstcolumnfalse
10825     \global\setbox\@leftcolumn\copy\@outputbox
10826     \splitmaxdepth\maxdimen
10827     \vbadness\maxdimen
10828     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10829     \toks@\expandafter{\topmark}%

```




```

10830 \xdef\@firstcoltopmark{\the\toks@}%
10831 \toks@\expandafter{\splitfirstmark}%
10832 \xdef\@firstcolfirstmark{\the\toks@}%
10833 \ifx\@firstcolfirstmark\@empty
10834 \global\let\@setmarks\relax
10835 \else
10836 \gdef\@setmarks{%
10837 \let\firstmark\@firstcolfirstmark
10838 \let\topmark\@firstcoltopmark}%
10839 \fi
10840 \else \global\@firstcolumntrue
10841 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10842 \hskip \columnwidth
10843 \hfil \vrule width\columnseprule \hfil
10844 \hbox to\columnwidth {%
10845 \bidi@firstcolumn@status@write%
10846 \box\@leftcolumn \hss}%
10847 \hskip -\textwidth
10848 \hbox to\columnwidth{%
10849 \bidi@lastcolumn@status@write%
10850 \box\@outputbox \hss}%
10851 \hskip \columnsep
10852 \hskip \columnwidth }}}%
10853 \@combinedblfloats \@setmarks \@outputpage
10854 \begingroup \@dblfloatplacement \@startdblcolumn
10855 \@whilesw\if@fcolmade \fi
10856 {\@outputpage \@startdblcolumn }\endgroup
10857 \fi}
10858 \def\LTR@outputdblcol{%
10859 \if@firstcolumn
10860 \global\@firstcolumnfalse
10861 \global\setbox\@leftcolumn\copy\@outputbox
10862 \splitmaxdepth\maxdimen
10863 \vbadness\maxdimen
10864 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10865 \toks@\expandafter{\topmark}%
10866 \xdef\@firstcoltopmark{\the\toks@}%
10867 \toks@\expandafter{\splitfirstmark}%
10868 \xdef\@firstcolfirstmark{\the\toks@}%
10869 \ifx\@firstcolfirstmark\@empty
10870 \global\let\@setmarks\relax
10871 \else
10872 \gdef\@setmarks{%
10873 \let\firstmark\@firstcolfirstmark
10874 \let\topmark\@firstcoltopmark}%
10875 \fi
10876 \else
10877 \global\@firstcolumntrue
10878 \setbox\@outputbox\vbox{%
10879 \hb@xt@\textwidth{%

```



```

10880      \hb@xt@\columnwidth{%
10881      \bidi@firstcolumn@status@write%
10882      \box\@leftcolumn \hss}%
10883      \hfil
10884      \vrule \width\columnseprule
10885      \hfil
10886      \hb@xt@\columnwidth{%
10887      \bidi@lastcolumn@status@write%
10888      \box\@outputbox \hss}}}%
10889 \combinedblfloats
10890 \setmarks
10891 \outputpage
10892 \begingroup
10893 \dblfloatplacement
10894 \startdblcolumn
10895 \whiles\if@fcolmade \fi{\@outputpage\startdblcolumn}%
10896 \endgroup
10897 \fi}

```

59 File fleqn-xetex-bidi.def

```

10898 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX e
10899 \renewcommand\[\relax
10900      \ifmmode\@badmath
10901      \else
10902      \begin{trivlist}%
10903      \@beginparpenalty\predisplaypenalty
10904      \@endparpenalty\postdisplaypenalty
10905      \item[]\leavevmode
10906      \hb@xt@\linewidth\bggroup \beginL$\m@th\displaystyle %$
10907      \hskip\mathindent\bggroup
10908      \fi}
10909 \renewcommand\]{\relax
10910      \ifmmode
10911      \egroup $\hfil% $
10912      \endL\egroup
10913      \end{trivlist}%
10914      \else \@badmath
10915      \fi}
10916 \renewenvironment{equation}%
10917 {\@beginparpenalty\predisplaypenalty
10918 \endparpenalty\postdisplaypenalty
10919 \refstepcounter{equation}%
10920 \trivlist \item[]\leavevmode
10921 \hb@xt@\linewidth\bggroup\beginL $ \m@th% $
10922 \displaystyle
10923 \hskip\mathindent}%
10924 {$\hfil % $
10925 \displaywidth\linewidth\hbox{\@eqnnum}%
10926 \endL\egroup

```



```
10927 \endtrivlist}
```

60 File float-xetex-bidi.def

```
10928 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeLaTeX]
10929 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10930 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10931 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10932 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10933 \expandafter\edef\csname the#1\endcsname{%
10934 \expandafter\noexpand\csname
10935 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10936 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

61 File floatrow-xetex-bidi.def

```
10937 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeLaTeX]
10938 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10939 \expandafter\edef\csname the\FB@capttype\endcsname{%
10940 \expandafter\noexpand\csname
10941 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}
```

62 File flowfram-xetex-bidi.def

```
10942 \ProvidesFile{flowfram-xetex-bidi.def}[2018/02/22 v0.3 bidi adaptations for flowfram package for XeLaTeX]
10943 \def\@outputdblcol{%
10944 \@nxtcol=\c@thisframe
10945 \c@curpg=\c@page
10946 \@g@tnextcol{\@nxtcol}%
10947 \if@ff@nwpg % next flow frame starts on new page
10948 \global\@firstcolumntrue
10949 \@setcolbox\c@thisframe
10950 \if@specialpage
10951 \global\@specialpagefalse
10952 \nameuse{ps@\@specialstyle}\relax
10953 \fi
10954 \if@twoside
10955 \ifodd\count\z@
10956 \let\@thehead\@oddhead
10957 \let\@thefoot\@oddfoot
10958 \else
10959 \let\@thehead\@evenhead
10960 \let\@thefoot\@evenfoot
10961 \fi
10962 \else
10963 \let\@thehead\@oddhead
10964 \let\@thefoot\@oddfoot
10965 \fi
10966 \@begindvi
10967 \@dodynamicthehead\@dodynamicthefoot}
```



```

10968 \vbadness=\@M
10969 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10970 \@combinedblfloats
10971 \@outputpage
10972 \advance\c@curpg by -\c@page\relax
10973 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10974 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10975 \@outputpage}
10976 \begingroup
10977 \dblfloatplacement
10978 \startdblcolumn
10979 \@whilesw \if@fcolmade \fi
10980 {\@outputpage \startdblcolumn }\endgroup
10981 \@resetst@tics
10982 \@resetdyn@mics
10983 \else % still on same page, save contents of box255
10984 \global\@firstcolumnfalse
10985 \setcolbox\c@thisframe
10986 \fi
10987 \global\c@thisframe=\@nxtcol
10988 \@setcol{\c@thisframe}\relax
10989 \global\@colht\vsiz
10990 }
10991 \def\@outputpage{%
10992 \begingroup
10993 \let\protect\noexpand
10994 \@resetactivechars
10995 \global\let\@if@newlist\if@newlist
10996 \global\@newlistfalse\@parboxrestore
10997 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10998 \bidi@beforeoutputpageshipouthook
10999 \shipout\vbox{\set@typeset@protect
11000 \aftergroup
11001 \endgroup
11002 \aftergroup
11003 \set@typeset@protect
11004 \reset@font\normalsize\normalsfcodes
11005 \let\label\@gobble
11006 \let\index\@gobble
11007 \let\glossary\@gobble
11008 \baselineskip\z@skip
11009 \lineskip\z@skip
11010 \lineskiplimit\z@
11011 \vskip\topmargin\moveright\@themargin
11012 \vbox{%
11013 \global\let\@bidi@BeforeHeader\@firstofone
11014 \bidi@beforeheaderhook
11015 \vskip\headheight
11016 \vskip\headsep
11017 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone

```



```

11018 \bidi@beforeoutputboxoutputpagehook
11019 \box\@outputbox
11020 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
11021 \bidi@afteroutputboxoutputpagehook
11022 \ifvoid\@bidi@copyins@
11023 \else
11024 \vskip\skip\@bidi@copyins@
11025 \unvbox\@bidi@copyins@
11026 \fi
11027 }}%
11028 \global\let\bidi@AfterOutputPageShipOut\@firstofone
11029 \bidi@afteroutputpageshipouthook
11030 \global\let\if@newlist\@if@newlist
11031 \stepcounter{page}%
11032 \setcounter{displayedframe}{0}%
11033 \let\firstmark\botmark
11034 \global\let\bidi@AtEndOutputPage\@firstofone
11035 \bidi@atendoutputpagehook
11036 }
11037
11038
11039 \newcommand*\bidi@s@tfftextcol{\ifthenelse{equal{\ff@txtcol}{}}{}}{%
11040 \expandafter\bidi@color\ff@txtcol}}
11041
11042 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
11043 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
11044
11045
11046 \renewcommand*{\@docolbox}[1]{%
11047 \edef\ff@frametype{%
11048 \csname @ff@frametype@\romannumeral#1\endcsname}%
11049 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11050 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
11051 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
11052 \@ff@setoffset{#1}%
11053 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
11054 \ifthenelse{\boolean{columnframe}\romannumeral#1}}{%
11055 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11056 {\csname colheight\romannumeral#1\endcsname}{%
11057 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11058 \csname\ff@frametype\endcsname}%
11059 }{%
11060 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11061 {\csname colheight\romannumeral#1\endcsname}{%
11062 \expandafter\box\csname column\romannumeral#1\endcsname}%
11063 }}}}
11064 \ifclassloaded{book}{%
11065 \renewcommand\theequation
11066 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11067 \renewcommand \thefigure

```



```

11068      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11069 \renewcommand \thetable
11070      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11071 \renewcommand \thechapter {\@arabic\c@chapter}
11072 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11073 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11074 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11075 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11076 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}}{}
11077 \@ifclassloaded{report}{%
11078 \renewcommand \theequation
11079      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11080 \renewcommand \thefigure
11081      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11082 \renewcommand \thetable
11083      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11084 \renewcommand \thechapter {\@arabic\c@chapter}
11085 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11086 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11087 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11088 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11089 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}}{}
11090 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11091 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
11092 \else
11093 #2\relax
11094 \fi}

```

63 File footnote-xetex-bidi.def

```

11095 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11096 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11097 \newif\ifbidi@autofootnoterule
11098 \def\bidi@mpfootnoterule{\footnoterule}
11099 \newcounter{footdir@label}
11100 \renewcommand*{\thefootdir@label}{footdir@\the\value{footdir@label}}
11101 \newcommand*{\footdir@write}{%
11102   \stepcounter{footdir@label}%
11103   \zref@labelbyprops{\thefootdir@label}{abspage}%
11104 }
11105 \newif\iffootdir@debug
11106 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11107 \newtoks\footdir@toks
11108 \newcommand*{\footdir@debug}[1]{%
11109   \iffootdir@debug
11110     \typeout{[footdir] #1}%
11111   \fi
11112 }
11113 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11114 %  \newcommand*{\footdir@LeftRightElse}{%

```



```

11115% \ltx@ifundefined{footdir@the\value{zabspage}}{%
11116% \footdir@debug{abspage \the\value{zabspage}: else}%
11117% \ltx@thirdofthree
11118% }{%
11119% \if\csname footdir@the\value{zabspage}\endcsname L%
11120% \footdir@debug{abspage \the\value{zabspage}: left}%
11121% \expandafter\ltx@firstofthree
11122% \else
11123% \footdir@debug{abspage \the\value{zabspage}: right}%
11124% \expandafter\ltx@secondofthree
11125% \fi
11126% }%
11127% }%
11128% }{%
11129 \providecommand*{\c@zabspage}{\c@abspage}%
11130 \newcommand*{\footdir@LeftRightElse}{%
11131 \footdir@write
11132 \zifrefundefined{\thefootdir@label}{%
11133 \footdir@debug{abspage ??: else}%
11134 \ltx@thirdofthree
11135 }{%
11136 \edef\footdir@abspage{%
11137 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11138 }%
11139 \ltx@ifundefined{footdir@\footdir@abspage}{%
11140 \footdir@debug{\footdir@abspage: else}%
11141 \ltx@thirdofthree
11142 }{%
11143 \if\csname footdir@\footdir@abspage\endcsname L%
11144 \footdir@debug{\footdir@abspage: left}%
11145 \expandafter\ltx@firstofthree
11146 \else
11147 \footdir@debug{\footdir@abspage: right}%
11148 \expandafter\ltx@secondofthree
11149 \fi
11150 }%
11151 }%
11152 }%
11153 %}
11154 \newcommand*{\footdir@fntext}[1]{%
11155 \zifrefundefined{\thefootdir@label}{%
11156 }{%
11157 \edef\footdir@name{%
11158 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11159 }%
11160 \@ifundefined{\footdir@name}{%
11161 \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11162 }{%
11163 }%
11164 }

```



```

11165
11166 \newcommand*{\footdir@temp}[3]{%
11167   \@ifdefinable{#1}{%
11168     \let#1#2%
11169     \renewcommand{#2}[1]{%
11170       \footdir@write
11171       \footdir@fntext{#3}%
11172       \stepcounter{footdir@label}%
11173       \footdir@fntext{#3}%
11174       \footdir@toks{##1}%
11175       \footdir@toks\expandafter{%
11176         \the\expandafter\footdir@toks
11177         \expandafter
11178         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11179       }%
11180       \expandafter#1\expandafter{\the\footdir@toks}%
11181     }%
11182   }%
11183 }
11184
11185 \def\right@footnoterule{%
11186   \kern-3\p@
11187   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11188   \kern2.6\p@}
11189 \def\left@footnoterule{\kern-3\p@
11190   \hrule \@width .4\columnwidth \kern 2.6\p@}
11191 \def\textwidth@footnoterule{\kern-3\p@
11192   \hrule \@width \columnwidth \kern 2.6\p@}
11193 \def\leftfootnoterule{%
11194   \bidi@autofootnoterulefalse%
11195   \def\footnoterule{\left@footnoterule}}
11196 \let\LRfootnoterule=\leftfootnoterule
11197 \def\rightfootnoterule{%
11198   \bidi@autofootnoterulefalse%
11199   \def\footnoterule{\right@footnoterule}}
11200 \def\textwidthfootnoterule{%
11201   \bidi@autofootnoterulefalse%
11202   \def\footnoterule{\textwidth@footnoterule}}
11203
11204
11205
11206 \def\auto@footnoterule{%
11207   \footdir@LeftRightElse%
11208   \left@footnoterule%
11209   \right@footnoterule%
11210   \left@footnoterule%
11211 }
11212
11213
11214

```




```

11215 \def\autofootnoterule{%
11216 \bidi@autofootnoteruletrue%
11217 \def\footnoterule{\auto@footnoterule}%
11218 }
11219
11220 \newcommand*{\SplitFootnoteRule}{%
11221   \gdef\split@prev{0}
11222   \let\pagefootnoterule\footnoterule
11223   \let\mpfootnoterule\footnoterule
11224   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11225   \def\footnoterule{\relax
11226     \ifx \@listdepth\@mplistdepth
11227       \mpfootnoterule
11228     \else
11229       \ifnum\split@prev=\z@
11230         \pagefootnoterule
11231       \else
11232         \splitfootnoterule
11233       \fi
11234       \xdef\split@prev{\the\insertpenalties}%
11235     \fi
11236   }%
11237 }
11238
11239
11240
11241
11242 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11243   \protected@xdef\@thefnmark{\thempfn}%
11244   \@footnotemark\@RTLfootnotetext}}
11245 \def\@xRTLfootnote[#1]{%
11246   \begingroup
11247     \csname c@\@mpfn\endcsname #1\relax
11248     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11249   \endgroup
11250   \@footnotemark\@RTLfootnotetext}
11251 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11252   \protected@xdef\@thefnmark{\thempfn}%
11253   \@footnotemark\@LTRfootnotetext}}
11254 \def\@xLTRfootnote[#1]{%
11255   \begingroup
11256     \csname c@\@mpfn\endcsname #1\relax
11257     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11258   \endgroup
11259   \@footnotemark\@LTRfootnotetext}
11260
11261
11262 \def\setfootnoteRL{\@RTL@footnotetrue}
11263 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11264 \def\setfootnoteLR{\unsetfootnoteRL}

```



```

11265
11266 \newcommand*{\bidi@@footnotetext@font}{\footnotesize}
11267 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11268 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11269
11270 \long\def\@footnotetext#1{\insert\footins{%
11271   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11272   \reset@font%
11273   \bidi@@footnotetext@font% \reset@font\footnotesize
11274   \interlinepenalty\interfootnotelinepenalty
11275   \splittopskip\footnotesep
11276   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11277   \hsize\columnwidth \@parboxrestore
11278   \protected@edef\@currentlabel{%
11279     \csname p@footnote\endcsname\@thefnmark
11280   }%
11281   \color@begingroup
11282     \@makefntext{%
11283       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11284   \color@endgroup}}%
11285
11286
11287 \long\def\@RTLfootnotetext#1{\insert\footins{%
11288   \@RTLtrue%
11289   \reset@font%
11290   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11291   \interlinepenalty\interfootnotelinepenalty
11292   \splittopskip\footnotesep
11293   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11294   \hsize\columnwidth \@parboxrestore
11295   \protected@edef\@currentlabel{%
11296     \csname p@footnote\endcsname\@thefnmark
11297   }%
11298   \color@begingroup
11299     \@makefntext{%
11300       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11301   \color@endgroup}}%
11302
11303 \long\def\@LTRfootnotetext#1{\insert\footins{%
11304   \@RTLfalse%
11305   \reset@font%
11306   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11307   \interlinepenalty\interfootnotelinepenalty
11308   \splittopskip\footnotesep
11309   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11310   \hsize\columnwidth \@parboxrestore
11311   \protected@edef\@currentlabel{%
11312     \csname p@footnote\endcsname\@thefnmark
11313   }%
11314   \color@begingroup

```



```

11315 \makefnfntext{%
11316 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11317 \color@endgroup}}%
11318
11319 \AtBeginDocument{%
11320 \if@RTL@footnote
11321 \newcommand*{\bidi@footdir@footnote}{R}
11322 \else
11323 \newcommand*{\bidi@footdir@footnote}{L}
11324 \fi%
11325 }
11326
11327 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11328 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11329 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11330
11331 \long\def\@mpRTLfootnotetext#1{%
11332 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
11333 \global\setbox\@mpfootins\vbox{\@RTLtrue%
11334 \unvbox\@mpfootins
11335 \reset@font%
11336 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11337 \hsize\columnwidth
11338 \@parboxrestore
11339 \protected@edef\@currentlabel
11340 {\csname p@mpfootnote\endcsname\@thefnmark}%
11341 \color@begingroup
11342 \makefnfntext{%
11343 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11344 \color@endgroup}}
11345 \long\def\@mpLTRfootnotetext#1{%
11346 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
11347 \global\setbox\@mpfootins\vbox{\@RTLfalse%
11348 \unvbox\@mpfootins
11349 \reset@font%
11350 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11351 \hsize\columnwidth
11352 \@parboxrestore
11353 \protected@edef\@currentlabel
11354 {\csname p@mpfootnote\endcsname\@thefnmark}%
11355 \color@begingroup
11356 \makefnfntext{%
11357 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11358 \color@endgroup}}
11359 \long\def\@mpfootnotetext#1{%
11360 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
11361 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11362 \unvbox\@mpfootins
11363 \reset@font%
11364 \bidi@@footnotetext@font% \reset@font\footnotesize

```



```

11365 \hsize\columnwidth
11366 \@parboxrestore
11367 \protected@edef\@currentlabel
11368 {\csname p@mpfootnote\endcsname\@thefnmark}%
11369 \color@begingroup
11370 \@makefnmark{\rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11371 \color@endgroup}}
11372 \def\@iiiminipage#1#2[#3]#4{%
11373 \leavevmode
11374 \@pboxswfalse
11375 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11376 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11377 \setlength\@tempdima{#4}%
11378 \def\@mpargs{#1}{#2}{#3}{#4}}%
11379 \setbox\@tempboxa\vbox\bgroup
11380 \color@begingroup
11381 \hsize\@tempdima
11382 \textwidth\hsize \columnwidth\hsize
11383 \@parboxrestore
11384 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11385 \let\@footnotetext\@mpfootnotetext
11386 \let\@LTRfootnotetext\@mpLTRfootnotetext
11387 \let\@RTLfootnotetext\@mpRTLfootnotetext
11388 \let\@listdepth\@mplistdepth \@mplistdepth\z@
11389 \@minipagerestore
11390 \setminipage}
11391 \def\endminipage{%
11392 \par
11393 \unskip
11394 \ifvoid\@mpfootins\else
11395 \vskip\skip\@mpfootins
11396 \normalcolor
11397 \bidi@mpfootnoterule
11398 \unvbox\@mpfootins
11399 \fi
11400 \@minipagefalse %% added 24 May 89
11401 \color@endgroup
11402 \egroup
11403 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11404 \def\LTRthanks#1{\footnotemark
11405 \protected@xdef\@thanks{\@thanks
11406 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11407 }
11408 }
11409 \def\LTRfootnotetext{%
11410 \@ifnextchar [\@xLTRfootnotenext
11411 {\protected@xdef\@thefnmark{\thempfn}%
11412 \@LTRfootnotetext}}
11413 \def\@xLTRfootnotenext[#1]{%
11414 \begingroup

```



```

11415 \csname c@\mpfn\endcsname #1\relax
11416 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11417 \endgroup
11418 \@LTRfootnotetext}
11419 \def\RTLthanks#1{\footnotemark
11420 \protected@xdef\@thanks{\@thanks
11421 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11422 }
11423 \let\@thanks\@empty
11424 \def\RTLfootnotetext{%
11425 \ifnextchar [\@xRTLfootnotenext
11426 {\protected@xdef\@thefnmark{\thempfn}%
11427 \@RTLfootnotetext}}
11428 \def\@xRTLfootnotenext[#1]{%
11429 \begingroup
11430 \csname c@\mpfn\endcsname #1\relax
11431 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11432 \endgroup
11433 \@RTLfootnotetext}
11434 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11435 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeTeX]
11436 \renewcommand\TitleBarFrame[3][\begingroup
11437 \ifx\delimiter#1\delimiter
11438 \let\TF@conlab\@empty
11439 \else
11440 \def\TF@conlab{% continuation label
11441 \nointerlineskip
11442 \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11443 \fi
11444 %\let\TF@savecolor\current@color
11445 \textcolor{TF@FrameColor}{%
11446 \CustomFBox
11447 {\TF@Title{#2}}{\TF@conlab}%
11448 \fbboxrule\fbboxrule\fbboxrule\fbboxrule
11449 %{\let\current@color\TF@savecolor\set@color #3}%
11450 {\normalcolor #3}%
11451 }\endgroup
11452 }
11453 \renewenvironment{titled-frame}[1]{%
11454 \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11455 \TitleBarFrame{\textbf{#1}}}%
11456 \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11457 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11458 \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11459 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (cont)}}%
11460 \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11461 \TitleBarFrame{\textbf{#1} (cont)}}}%

```



```

11462 \MakeFramed{\advance\hsize-20pt \FrameRestore}}}%
11463 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11464 % could interfere with the width measurement.
11465 {\endMakeFramed}
11466 \chardef\FrameRestore=\catcode`\| % for debug
11467 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11468 \def\fb@put@frame#1#2{\relax
11469 \ifdim\pagegoal=\maxdimen \pagegoal\vspace \fi
11470 | \message{===== Entering putframe =====^~J
11471 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11472 \ifinner
11473 \fb@putboxa#1%
11474 \fb@afterframe
11475 \else
11476 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11477 \ifdim\dimen@<2\baselineskip % Too little room on page
11478 | \message{Page has only \the\dimen@\space room left; eject.}%
11479 \eject \fb@adjheight \fb@put@frame#1#2%
11480 \else % there's appreciable room left on the page
11481 \fb@sizeofframe#1%
11482 | \message{\string\pagetotal=\the\pagetotal,
11483 | \string\pagegoal=\the\pagegoal,
11484 | \string\pagestretch=\the\pagestretch,
11485 | \string\pageshrink=\the\pageshrink,
11486 | \string\fb@frh=\the\fb@frh. \space}
11487 | \message{^^JBox of size \the\ht@tempboxa\space}%
11488 \begingroup % temporarily set \dimen@ to be...
11489 \advance\dimen@.8\pageshrink % maximum space available on page
11490 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11491 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11492 \expandafter\endgroup
11493 % expand \ifdim, then restore \dimen@ to real room left on page
11494 \ifdim\dimen@>\ht@tempboxa % whole box does fit
11495 | \message{fits in \the\dimen@.}%
11496 % ToDo: Change this to use vsplit anyway to capture the marks
11497 % MERGE THIS WITH THE else CLAUSE!!!
11498 \fb@putboxa#1%
11499 \fb@afterframe
11500 \else % box must be split
11501 | \message{must be split to fit in \the\dimen@.}%
11502 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11503 \fb@sizeofframe#2%
11504 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11505 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11506 \kern137sp\kern-137sp\penalty-30
11507 \unvbox\@tempboxa}%
11508 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11509 \splittopskip\the\splittopskip}%
11510 \boxmaxdepth\z@ \splittopskip\z@
11511 | \message{^~JPadded box of size \the\ht@tempboxa\space split to \the\dimen@}%

```



```

11512 % Split box here
11513 \setbox\tw@\vsplit\@tempboxa to\dimen@
11514 | \toks99\expandafter{\splitfirstmark}%
11515 | \toks98\expandafter{\splitbotmark}%
11516 | \message{Marks are: \the\toks99, \the\toks98. }%
11517 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11518 | \message{Natural height of split box is \the\ht\tw@, leaving
11519 | \the\ht\@tempboxa\space remainder. }%
11520 % If the split-to size > (\vsize-\topskip), then set box to full size.
11521 \begingroup
11522 \advance\dimen@\topskip
11523 \expandafter\endgroup
11524 \ifdim\dimen@>\pagegoal
11525 | \message{Frame is big -- Use up the full column. }%
11526 | \dimen@ii\pagegoal
11527 | \advance\dimen@ii -\topskip
11528 | \advance\dimen@ii \FrameHeightAdjust\relax
11529 \else % suspect this is implemented incorrectly:
11530 | % If the split-to size > feasible room_on_page, rebox it smaller.
11531 | \advance\dimen@.8\pageshrink
11532 | \ifdim\ht\tw@>\dimen@
11533 | \message{Box too tall; rebox it to \the\dimen@. }%
11534 | \dimen@ii\dimen@
11535 | \else % use natural size
11536 | \dimen@ii\ht\tw@
11537 | \fi
11538 \fi
11539 % Re-box contents to desired size \dimen@ii
11540 \advance\dimen@ii -\fb@frh
11541 \setbox\tw@\vbox to\dimen@ii \bgroup
11542 % remove simulated frame and page flexibility:
11543 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11544 \unvbox\tw@ \unpenalty\unpenalty
11545 \ifdim\lastkern=-137sp % whole box went to next page
11546 | \message{box split at beginning! }%
11547 | % need work here???
11548 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11549 | \fb@adjheight
11550 | \fb@put@frame#1#2% INSERTED ???
11551 \else % Got material split off at the head
11552 | \egroup \fb@resto@set
11553 | \ifvoid\@tempboxa % it all fit after all
11554 | \message{box split at end! }%
11555 | \setbox\@tempboxa\box\tw@
11556 | \fb@putboxa#1%
11557 | \fb@afterframe
11558 \else % it really did split
11559 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11560 | \ifdim\wd\tw@>\z@
11561 | \wd\tw@\wd\@tempboxa

```



```

11562         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11563     \else
11564 |         \message{Zero width means likely blank. Don't frame it (guess)}%
11565         \box\tw@
11566     \fi
11567     \hrule \@height\z@ \@width\hsize
11568     \eject
11569     \fb@adjheight
11570     \fb@put@frame\LastFrameCommand\MidFrameCommand
11571 \fi\fi\fi\fi\fi
11572 }
11573 \def\fb@putboxa#1{%
11574 \ifvoid\@tempboxa
11575     \PackageWarning{framed}{Boxa is void -- discard it.}%
11576 \else
11577 |     \message{Frame and place boxa.}%
11578 |     %{\showoutput\showbox\@tempboxa}%
11579     \centerline{#1{\hboxL{\box\@tempboxa}}}%
11580 \fi
11581 }
11582 \catcode`\|=\FrameRestore
11583 \def\FrameRestore{%
11584     \let\if@nobreak\iffalse
11585     \let\if@noskipsec\iffalse
11586     \let\-\@dischyp
11587     \let'\@acci\let\`\@accii\let\=\@acciii
11588     % \message{FrameRestore:
11589     %     \@totalleftmargin=\the \@totalleftmargin,
11590     %     \rightmargin=\the\rightmargin,
11591     %     \@listdepth=\the\@listdepth.}%
11592     % Test if we are in a list (or list-like paragraph)
11593     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11594         \ifdim\rightmargin>\z@ 1\fi
11595         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11596         % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11597         %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11598         %     \labelwidth=\the\labelwidth.}%
11599         \@setminipage % snug fit around the item
11600         % Now try to propagate changes of width from \hsize to list parameters.
11601         % This is deficient, but a more advanced way to indicate modification to text
11602         % dimensions is not (yet) provided; in particular, no separate left/right
11603         % adjustment.
11604         \advance\linewidth-\columnwidth \advance\linewidth\hsize
11605         \parshape\@ne \@totalleftmargin \linewidth
11606     \else % Not in list
11607         \linewidth=\hsize
11608         %\message{No list, set \string\linewidth=\the\hsize.}%
11609     \fi
11610     \sloppy
11611 }

```



65 File ftnright-xetex-bidi.def

```

11612 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11613
11614 \def\LTR@outputdblcol{%
11615   \if@firstcolumn
11616     \global\@firstcolumnfalse
11617     \global\setbox\@leftcolumn\copy\@outputbox
11618     \global\count\footins\@m
11619     \global\skip\footins\rcol\footinsskip
11620     \splitmaxdepth\maxdimen
11621     \vbadness\maxdimen
11622     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11623     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11624     \toks@ \expandafter{\topmark}%
11625     \xdef\@firstcoltopmark{\the\toks@}%
11626     \toks@ \expandafter{\splitfirstmark}%
11627     \xdef\@firstcolfirstmark{\the\toks@}%
11628     \ifx\@firstcolfirstmark\@empty
11629       \global\let\@setmarks\relax
11630     \else
11631       \gdef\@setmarks{%
11632         \let\firstmark\@firstcolfirstmark
11633         \let\topmark\@firstcoltopmark}%
11634     \fi
11635   \else
11636     \preparefootins
11637     \global\@firstcolumntrue
11638     \setbox\@outputbox\vbox{%
11639       \hb@xt@\textwidth{%
11640         \hb@xt@\columnwidth{%
11641           \bidi@firstcolumn@status@write%
11642           \box\@leftcolumn \hss}%
11643         \hfil
11644         {\normalcolor\vrule \@width\columnseprule}%
11645         \hfil
11646         \hb@xt@\columnwidth{%
11647           \bidi@lastcolumn@status@write%
11648           \box\@outputbox \hss}}}%
11649     \@combinedblfloats
11650     \setmarks
11651     \outputpage
11652     \begingroup
11653       \dblfloatplacement
11654       \startdblcolumn
11655       \@whiles\if@fcolmade \fi{\@outputpage
11656         \startdblcolumn}%
11657     \endgroup
11658   \fi}%
11659

```



```

11660
11661
11662 \def\RTL@outputdblcol{%
11663   \if@firstcolumn
11664     \global\@firstcolumnfalse
11665     \global\setbox\@leftcolumn\copy\@outputbox
11666     \global\count\footins\@m
11667     \global\skip\footins\rcol\footinsskip
11668     \splitmaxdepth\maxdimen
11669     \vbadness\maxdimen
11670     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11671     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11672     \toks@{\expandafter{\topmark}}%
11673     \xdef\@firstcoltopmark{\the\toks@}%
11674     \toks@\expandafter{\splitfirstmark}%
11675     \xdef\@firstcolfirstmark{\the\toks@}%
11676     \ifx\@firstcolfirstmark\@empty
11677       \global\let\@setmarks\relax
11678     \else
11679       \gdef\@setmarks{%
11680         \let\firstmark\@firstcolfirstmark
11681         \let\topmark\@firstcoltopmark}%
11682     \fi
11683   \else
11684     \preparefootins
11685     \global\@firstcolumntrue
11686     \setbox\@outputbox\vbox{%
11687       \hb@xt@\textwidth{%
11688         \hskip \columnwidth
11689         \hfil
11690         {\normalcolor\vrule \@width\columnseprule}%
11691         \hfil
11692         \hb@xt@\columnwidth{%
11693           \bidi@firstcolumn@status@write%
11694           \box\@leftcolumn \hss}%
11695         \hskip -\textwidth
11696         \hb@xt@\columnwidth{%
11697           \bidi@lastcolumn@status@write%
11698           \box\@outputbox \hss}%
11699         \hskip \columnsep
11700         \hskip \columnwidth }}%
11701     \@combinedblfloats
11702     \@setmarks
11703     \@outputpage
11704     \begingroup
11705       \@dblfloatplacement
11706       \@startdblcolumn
11707       \@whiles\if@fcolmade \fi{\@outputpage
11708         \@startdblcolumn}%
11709     \endgroup

```



```

11710 \fi}%
11711
11712
11713
11714 \let\leftfootnoterule\@empty
11715 \let\rightfootnoterule\@empty
11716 \let\textwidthfootnoterule\@empty
11717 \let\autofootnoterule\@empty
11718 \let\footnoterule\@empty
11719 \long\def\@makefntext#1{\parindent 1em
11720 \noindent\hbox to 2em{}}%
11721 \llap{\@thefnmark\hbox{.}\,.\,}\,}\#1}

```

66 File `graphicx-xetex-bidi.def`

```

11722 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11723 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11724   \Grot@setangle{#1}%
11725   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11726   \Grot@x\z@
11727   \Grot@y\z@
11728   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11729 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11730   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11731   \Grot@x\width \divide\Grot@x\tw@
11732   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11733   \setkeys{Grot}{#1}%
11734   \setbox\z@\box\@tempboxa
11735   \Grot@setangle{#2}%
11736   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11737   \@end@tempboxa}
11738 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11739   \leavevmode
11740   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11741   \setbox\z@\hbox{{#3}}%
11742   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11743   \ifdim#2\p@<\z@
11744     \ht\tw@-#2\dp\z@
11745     \dp\tw@-#2\ht\z@
11746   \else
11747     \ht\tw@#2\ht\z@
11748     \dp\tw@#2\dp\z@
11749   \fi
11750   \ifdim#1\p@<\z@
11751     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11752   \else
11753     \wd\tw@#1\wd\z@
11754     \box\tw@
11755   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11756 \def\Gin@iii[#1,#2][#3,#4]#5{%

```



```

11757 \begingroup
11758 \ifmmode\else\if@RTL\beginL\fi\fi
11759 \Gin@bboxtrue
11760 \Gin@defaultbp\Gin@llx{#1}%
11761 \Gin@defaultbp\Gin@lly{#2}%
11762 \Gin@defaultbp\Gin@urx{#3}%
11763 \Gin@defaultbp\Gin@ury{#4}%
11764 \Gininclude@graphics{#5}%
11765 \ifmmode\else\if@RTL\endL\fi\fi
11766 \endgroup}
11767 \def\Gin@ii[#1]#2{%
11768   \def\@tempa{[]}\def\@tempb{#2}%
11769   \ifx\@tempa\@tempb
11770     \def\@tempa{\Gin@iii[#1] []}%
11771     \expandafter\@tempa
11772   \else
11773     \begingroup
11774       \ifmmode\else\if@RTL\beginL\fi\fi
11775       \@tempswafalse
11776       \toks@{\Gininclude@graphics{#2}}%
11777       \setkeys{Gin}{#1}%
11778       \Gin@esetsize
11779       \the\toks@
11780       \ifmmode\else\if@RTL\endL\fi\fi
11781     \endgroup
11782   \fi}
11783 \def\reflectbox{\bidiGscale@box-1[1]}
11784 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11785   \leavevmode
11786   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11787   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11788   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11789   \ifdim#2\p<\z@
11790     \ht\tw@-#2\dp\z@
11791     \dp\tw@-#2\ht\z@
11792   \else
11793     \ht\tw@#2\ht\z@
11794     \dp\tw@#2\dp\z@
11795   \fi
11796   \ifdim#1\p<\z@
11797     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11798   \else
11799     \wd\tw@#1\wd\z@
11800     \box\tw@
11801   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11802 \def\scalebox#1{%
11803   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11804 \def\resizebox{%
11805   \leavevmode
11806   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}

```



```

11807 \def\bidigscale@@box#1#2#3{%
11808   \let\@tempa\Gin@exclamation
11809   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11810   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11811   \ifx\@tempb\@tempa
11812     \ifx\@tempc\@tempa
11813       \toks@{\mbox}%
11814     \else
11815       \toks@{\bidigscale@box@odd{#3}#1}%
11816     \fi
11817   \else
11818     \ifx\@tempc\@tempa
11819       \toks@{\bidigscale@box@odd{#2}\width}%
11820     \else
11821       \toks@{\bidigscale@box@dddd{#2}\width{#3}#1}%
11822     \fi
11823   \fi
11824   \the\toks@}
11825 \long\def\bidigscale@box@odd#1#2#3{%
11826   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11827   \setlength\@tempdima{#1}%
11828   \setlength\@tempdimb{#2}%
11829   \Gscale@div\@tempa\@tempdima\@tempdimb
11830   \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11831   \@end@tempboxa}
11832 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
11833   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11834   \setlength\@tempdima{#1}%
11835   \setlength\@tempdimb{#2}%
11836   \Gscale@div\@tempa\@tempdima\@tempdimb
11837   \setlength\@tempdima{#3}%
11838   \setlength\@tempdimb{#4}%
11839   \Gscale@div\@tempb\@tempdima\@tempdimb
11840   \ifGin@iso
11841     \ifdim\@tempa\p@>\@tempb\p@
11842       \let\@tempa\@tempb
11843     \else
11844       \let\@tempb\@tempa
11845     \fi
11846   \fi
11847   \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11848   \@end@tempboxa}

```

67 File geometry-xetex-bidi.def

```

11849 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11850 \renewcommand*{\Gm@vrules@mpi}{%
11851   \if@RTLmain%
11852     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11853       \llap{\Gm@vrule}\ignorespaces

```



```

11854      \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11855      \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11856      \else%
11857      \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11858      \hskip \textwidth\Gm@vrule\hskip \marginparsep
11859      \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11860 \renewcommand*{\Gm@vrules@mpii}{%
11861 \if@RTLmain%
11862   \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11863   \hskip \textwidth\Gm@vrule\hskip \marginparsep
11864   \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11865 \else%
11866   \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11867   \llap{\Gm@vrule}\ignorespaces
11868   \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11869   \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11870 \bidi@patchcmd{\Gm@pageframes}{%
11871   \ifodd\count\z@
11872   \let\@themargin\oddsidemargin
11873   \else
11874   \let\@themargin\evensidemargin
11875   \fi
11876 }{%
11877   \ifodd\count\z@
11878   \if@RTLmain
11879   \let\@themargin\evensidemargin
11880   \else
11881   \let\@themargin\oddsidemargin
11882   \fi
11883   \else
11884   \if@RTLmain
11885   \let\@themargin\oddsidemargin
11886   \else
11887   \let\@themargin\evensidemargin
11888   \fi
11889   \fi
11890 }{}{}

```

68 File hvfloat-xetex-bidi.def

```

11891 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11892 \def\do@hvFloat[#1]#2#3{%
11893 \def\hv@shortCap{#1}
11894 \def\hv@longCap{#2}
11895 \def\hv@label{#3}
11896 %\newcommand*{\hvFloat}[5][[]]{%
11897 %  [#1]: keyvalues
11898 %  #2: type figure | table | ...
11899 %  #3: float contents
11900 %  [#4]: short caption

```



```

11901 % #5: caption
11902 % #6: label
11903 % \setDefault%
11904 % \def\@tempa{#1}%
11905 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11906 % \def\@tempa{90}%
11907 % \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11908 % \else \setlength{\hvMaxCapWidth}{\linewidth}
11909 % \fi
11910 %
11911 % First we save the object in \hvObjectBox
11912 %
11913 % \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11914 % \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11915 % \else
11916 % \savebox{\hvObjectBox}{%
11917 % \rotatebox{\hvSet@objectAngle}{%
11918 % \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11919 % \fi
11920 % \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11921 %
11922 % Now we save the caption with its defined \hvCapWidth
11923 %
11924 % \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11925 % \else
11926 % \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11927 % \else
11928 % \setlength{\hvCapWidth}{\hvObjectWidth}
11929 % \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11930 % \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11931 % \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11932 % \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11933 % \else
11934 % \setlength{\hvCapWidth}{\hvMaxCapWidth}
11935 % \fi
11936 % \fi
11937 % \fi
11938 %
11939 % now we have the object and the caption with the right
11940 % rotated angles saved in boxes
11941 %
11942 % \def\fps@figure{\hvSet@floatPos}
11943 % \ifhv@nonFloat\begin{group}% Start the nonfloat part
11944 % \else \begin{\hv@floatType}% Start the floating environment
11945 % \fi%
11946 % \saveCaptionSkip% we put this space ourselves
11947 % \ifx\hvSet@capAngle\hv@Width % need rotation?
11948 % \sbox{\hvCaptionBox}{%
11949 % \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11950 % \ifhv@nonFloat%

```



```

11951 \ifhv@onlyText#2%
11952 \else%
11953 \ifx\hv@floatType\hv@figure
11954 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11955 \else
11956 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11957 \fi
11958 \fi
11959 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11960 \fi%
11961 \label{#3}%
11962 \end{minipage}%
11963 }%
11964 \else%
11965 \sbox{\hvCaptionBox}{%
11966 \rotatebox{\hvSet@capAngle}{%
11967 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11968 \ifhv@nonFloat%
11969 \ifhv@onlyText#2%
11970 \else%
11971 \ifx\hv@floatType\hv@figure
11972 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11973 \else
11974 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11975 \fi
11976 \fi
11977 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11978 \fi%
11979 \label{#3}%
11980 \end{minipage}%
11981 }%
11982 }%
11983 \fi%
11984 %%
11985 \restoreCaptionSkip% save old values
11986 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11987 \else%
11988 \ifx\hvSet@objectPos\hv@Center
11989 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11990 \fi%
11991 \fi%
11992 %
11993 % to rotate object and caption together, we save all in another box
11994 % the caption comes first, if its on the left or the top
11995 %
11996 \savebox{\@tempboxa}{%
11997 \ifx\hvSet@capPos\hv@Left % caption on left side
11998 \if@RTL%
11999 \ifx\hvSet@capVPos\hv@Center%
12000 \ifhv@fbox

```




```

12001 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12002 \else
12003 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12004 \fi%
12005 \hspace{\hvSet@floatCapSep pt}%
12006 \ifhv@fbox
12007 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12008 \else
12009 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12010 \fi%
12011 \else%
12012 \ifx\hvSet@capVPos\hv@Top
12013 \ifhv@fbox
12014 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12015 \else
12016 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12017 \fi%
12018 \hspace{\hvSet@floatCapSep pt}%
12019 \ifhv@fbox
12020 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12021 \else
12022 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12023 \fi
12024 \else
12025 \ifhv@fbox
12026 \fbox{\usebox{\hvObjectBox}}%
12027 \else
12028 \usebox{\hvObjectBox}%
12029 \fi
12030 \hspace{\hvSet@floatCapSep pt}%
12031 \ifhv@fbox
12032 \fbox{\usebox{\hvCaptionBox}}%
12033 \else
12034 \usebox{\hvCaptionBox}%
12035 \fi%
12036 \fi%
12037 \fi%
12038 \else% not RTL
12039 \ifx\hvSet@capVPos\hv@Center%
12040 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12041 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12042 \fi%
12043 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12044 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12045 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12046 \fi%
12047 \else%
12048 \ifx\hvSet@capVPos\hv@Top % caption at top
12049 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12050 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%

```



```

12051 \fi
12052 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12053 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12054 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12055 \fi%
12056 \else% caption on bottom
12057 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12058 \else\usebox{\hvCaptionBox}
12059 \fi%
12060 \hspace{\hvSet@floatCapSep pt}%
12061 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12062 \else \usebox{\hvObjectBox}
12063 \fi%
12064 \fi%
12065 \fi% end of RTL
12066 \fi%
12067 \else
12068 \ifx\hvSet@capPos\hv@Top
12069 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12070 \begin{minipage}{\wd\hvCaptionBox}
12071 \else
12072 \begin{minipage}{\wd\hvObjectBox}
12073 \fi
12074 \centering
12075 \ifhv@fbox
12076 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12077 \fbbox{\usebox{\hvObjectBox}}
12078 \else
12079 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12080 \usebox{\hvObjectBox}
12081 \fi%
12082 \end{minipage}
12083 \else
12084 \ifx\hvSet@capPos\hv@Bottom
12085 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12086 \begin{minipage}{\wd\hvCaptionBox}
12087 \else
12088 \begin{minipage}{\wd\hvObjectBox}
12089 \fi
12090 \centering
12091 \ifhv@fbox
12092 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12093 \fbbox{\usebox{\hvCaptionBox}}
12094 \else
12095 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12096 \usebox{\hvCaptionBox}
12097 \fi%
12098 \end{minipage}
12099 \else% the last option: put the caption on the right
12100 \if@RTL%

```



```

12101 \ifx\hvSet@capVPos\hv@Center%
12102 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12103 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12104 \fi%
12105 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12106 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12107 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12108 \fi%
12109 \else%
12110 \ifx\hvSet@capVPos\hv@Top % caption at top
12111 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12112 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12113 \fi
12114 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12115 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12116 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12117 \fi%
12118 \else% caption on bottom
12119 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12120 \else\usebox{\hvCaptionBox}
12121 \fi%
12122 \hspace{\hvSet@floatCapSep pt}%
12123 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12124 \else \usebox{\hvObjectBox}
12125 \fi%
12126 \fi%
12127 \fi%
12128 \else% not RTL
12129 \ifx\hvSet@capVPos\hv@Center%
12130 \ifhv@fbox
12131 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12132 \else
12133 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12134 \fi%
12135 \hspace{\hvSet@floatCapSep pt}%
12136 \ifhv@fbox
12137 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12138 \else
12139 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12140 \fi%
12141 \else%
12142 \ifx\hvSet@capVPos\hv@Top
12143 \ifhv@fbox
12144 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12145 \else
12146 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12147 \fi%
12148 \hspace{\hvSet@floatCapSep pt}%
12149 \ifhv@fbox
12150 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%

```



```

12151 \else
12152 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12153 \fi
12154 \else
12155 \ifhv@fbox
12156 \fbox{\usebox{\hvObjectBox}}%
12157 \else
12158 \usebox{\hvObjectBox}%
12159 \fi
12160 \hspace{\hvSet@floatCapSep pt}%
12161 \ifhv@fbox
12162 \fbox{\usebox{\hvCaptionBox}}%
12163 \else
12164 \usebox{\hvCaptionBox}%
12165 \fi%
12166 \fi%
12167 \fi
12168 \fi% end of RTL
12169 \fi
12170 \fi
12171 \fi
12172 }% End savebox Object and caption
12173 %
12174 % now we rotate the object and caption, if needed
12175 %
12176 \ifx\hvSet@rotAngle\hv@Zero
12177 \usebox{\@tempboxa}
12178 \else
12179 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12180 \fi
12181 \ifhv@nonFloat
12182 \ifx\hvSet@objectPos\hv@Center
12183 \ifhv@nonFloat
12184 \hspace{\fill}
12185 \fi
12186 \fi
12187 \endgroup% End the nonfloat part
12188 \else
12189 \end{\hv@floatType}% End the floating environment
12190 \fi
12191 }

```

69 File hyperref-xetex-bidi.def

```

12192 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12193 \AtBeginDocument{%
12194 \def\contentsline#1#2#3#4{%
12195   \ifx\#4\%
12196     \csname l@#1\endcsname{#2}{#3}%
12197   \else

```



```

12198 \ifcase\Hy@linktoc % none
12199 \csname l@#1\endcsname{#2}{#3}%
12200 \or % section
12201 \csname l@#1\endcsname{%
12202 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12203 }{#3}%
12204 \or % page
12205 \csname l@#1\endcsname{#2}{#3}%
12206 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12207 }%
12208 \else % all
12209 \csname l@#1\endcsname{%
12210 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12211 }{#3}%
12212 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12213 }%
12214 \fi
12215 \fi
12216 }
12217 \ifHy@hyperfootnotes
12218 \let\H@@footnotetext\@footnotetext
12219 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
12220 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
12221 \def\@xfootnotenext[#1]{%
12222 \begingroup
12223 \csname c@\@mpfn\endcsname #1\relax
12224 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12225 \endgroup
12226 \ifx\@footnotetext\@mpfootnotetext
12227 \expandafter\H@@mpfootnotetext
12228 \else
12229 \expandafter\H@@footnotetext
12230 \fi
12231 }%
12232 \def\@xRTLfootnotenext[#1]{%
12233 \begingroup
12234 \csname c@\@mpfn\endcsname #1\relax
12235 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12236 \endgroup
12237 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12238 \expandafter\HRTL@@mpRTLfootnotetext
12239 \else
12240 \expandafter\HRTL@@RTLfootnotetext
12241 \fi
12242 }%
12243 \def\@xLTRfootnotenext[#1]{%
12244 \begingroup
12245 \csname c@\@mpfn\endcsname #1\relax
12246 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12247 \endgroup

```



```

12248 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12249 \expandafter\HLTR@\@mpLTRfootnotetext
12250 \else
12251 \expandafter\HLTR@\@LTRfootnotetext
12252 \fi
12253 }%
12254 \def\@xfootnotemark[#1]{%
12255 \begingroup
12256 \c@footnote #1\relax
12257 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12258 \endgroup
12259 \H@\@footnotemark
12260 }%
12261 \let\H@\@mpfootnotetext\@mpfootnotetext
12262 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
12263 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
12264 \long\def\@mpfootnotetext#1{%
12265 \H@\@mpfootnotetext{%
12266 \ifHy@nesting
12267 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12268 \else
12269 \Hy@raisedlink{%
12270 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12271 }#1%
12272 \fi
12273 }%
12274 }%
12275 \long\def\@mpRTLfootnotetext#1{%
12276 \HRTL@\@mpRTLfootnotetext{%
12277 \ifHy@nesting
12278 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12279 \else
12280 \Hy@raisedlink{%
12281 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12282 }#1%
12283 \fi
12284 }%
12285 }%
12286 \long\def\@mpLTRfootnotetext#1{%
12287 \HLTR@\@mpLTRfootnotetext{%
12288 \ifHy@nesting
12289 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12290 \else
12291 \Hy@raisedlink{%
12292 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12293 }#1%
12294 \fi
12295 }%
12296 }%
12297 \long\def\@footnotetext#1{%

```



```

12298 \H@@footnotetext{%
12299 \ifHy@nesting
12300 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12301 \else
12302 \Hy@raisedlink{%
12303 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12304 }%
12305 \let\@currentHlabel\Hy@footnote@currentHlabel
12306 \let\@currentHref\Hy@footnote@currentHref
12307 \let\@currentlabelname\@empty
12308 #1%
12309 \fi
12310 }%
12311 }%
12312 \long\def\@RTLfootnotetext#1{%
12313 \HRTL@RTLfootnotetext{%
12314 \ifHy@nesting
12315 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12316 \else
12317 \Hy@raisedlink{%
12318 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12319 }%
12320 \let\@currentHlabel\Hy@footnote@currentHlabel
12321 \let\@currentHref\Hy@footnote@currentHref
12322 \let\@currentlabelname\@empty
12323 #1%
12324 \fi
12325 }%
12326 }%
12327 \long\def\@LTRfootnotetext#1{%
12328 \HLTR@LTRfootnotetext{%
12329 \ifHy@nesting
12330 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12331 \else
12332 \Hy@raisedlink{%
12333 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12334 }%
12335 \let\@currentHlabel\Hy@footnote@currentHlabel
12336 \let\@currentHref\Hy@footnote@currentHref
12337 \let\@currentlabelname\@empty
12338 #1%
12339 \fi
12340 }%
12341 }%
12342 \@ifpackageloaded{tabularx}{%
12343 \let\HyOrg@TX@endtabularx\TX@endtabularx
12344 \def\Hy@tabularx@hook{%
12345 \let\@footnotetext\H@@footnotetext
12346 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12347 \let\@RTLfootnotetext\HRTL@RTLfootnotetext

```



```

12348 \let\@footnotemark\H@@footnotemark
12349 \let\@mpfootnotetext\H@@mpfootnotetext
12350 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12351 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12352 }%
12353 \begingroup
12354 \toks@\expandafter{\TX@endtabularx}%
12355 \xdef\Hy@gtemp{%
12356 \noexpand\Hy@tabularx@hook
12357 \the\toks@
12358 }%
12359 \endgroup
12360 \let\TX@endtabularx\Hy@gtemp
12361 }{}%
12362 \@ifpackageloaded{longtable}{%
12363 \CheckCommand*{\LT@p@LTRftntext}[1]{%
12364 \edef\@tempa{%
12365 \the\LT@p@ftn
12366 \noexpand\LTRfootnotetext[\the\c@footnote]%
12367 }%
12368 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12369 }%
12370 \long\def\LT@p@LTRftntext#1{%
12371 \edef\@tempa{%
12372 \the\LT@p@ftn
12373 \begingroup
12374 \noexpand\c@footnote=\the\c@footnote\relax
12375 \noexpand\protected@xdef\noexpand\@thefnmark{%
12376 \noexpand\thempfn
12377 }%
12378 \noexpand\Hy@LT@LTRfootnotetext{%
12379 \Hy@footnote@currentHref
12380 }%
12381 }%
12382 \global\LT@p@ftn\expandafter{%
12383 \@tempa{#1}%
12384 \endgroup
12385 }%
12386 }%
12387 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12388 \HLTR@@LTRfootnotetext{%
12389 \ifHy@nesting
12390 \hyper@@anchor{#1}{#2}%
12391 \else
12392 \Hy@raisedlink{%
12393 \hyper@@anchor{#1}{\relax}%
12394 }%
12395 \def\@currentHref{#1}%
12396 \let\@currentlabelname\@empty
12397 #2%

```




```

12398     \fi
12399   }%
12400 }%
12401 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12402   \edef\@tempa{%
12403     \the\LT@p@ftn
12404     \noexpand\RTLfootnotetext[\the\c@footnote]%
12405   }%
12406   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12407 }%
12408 \long\def\LT@p@RTLftntext#1{%
12409   \edef\@tempa{%
12410     \the\LT@p@ftn
12411     \begingroup
12412       \noexpand\c@footnote=\the\c@footnote\relax
12413       \noexpand\protected@xdef\noexpand\@thefnmark{%
12414         \noexpand\thempfn
12415       }%
12416       \noexpand\Hy@LT@RTLfootnotetext{%
12417         \Hy@footnote@currentHref
12418       }%
12419     }%
12420     \global\LT@p@ftn\expandafter{%
12421       \@tempa{#1}%
12422     }%
12423   }%
12424 }%
12425 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12426   \HRTL@RTLfootnotetext{%
12427     \ifHy@nesting
12428       \hyper@@anchor{#1}{#2}%
12429     \else
12430       \Hy@raisedlink{%
12431         \hyper@@anchor{#1}{\relax}%
12432       }%
12433       \def\@currentHref{#1}%
12434       \let\@currentlabelname\@empty
12435       #2%
12436     \fi
12437   }%
12438 }%
12439 }{}%
12440 \@ifpackageloaded{bidipoem}{%
12441   \long\def\bidipoem@p@ftntext#1{%
12442     \edef\@tempx{%
12443       \the\bidipoem@p@ftn
12444     }%
12445     \begingroup
12446       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12447       \noexpand\protected@xdef\noexpand\@thefnmark{%
12448         \noexpand\thempfn

```



```

12448     }%
12449     \noexpand\Hy@bidipoem@footnotetext{%
12450         \Hy@footnote@currentHref
12451     }%
12452 }%
12453 \global\bidipoem@p@ftn\expandafter{%
12454     \@temp{#1}%
12455 \endgroup
12456 }%
12457 }%
12458 \long\def\Hy@bidipoem@footnotetext#1#2{%
12459     \H@@footnotetext{%
12460         \ifHy@nesting
12461             \hyper@@anchor{#1}{#2}%
12462         \else
12463             \Hy@raisedlink{%
12464                 \hyper@@anchor{#1}{\relax}%
12465             }%
12466             \def\@currentHref{#1}%
12467             \let\@currentlabelname\@empty
12468             #2%
12469         \fi
12470     }%
12471 }%
12472 \long\def\bidipoem@p@LTRftntext#1{%
12473     \edef\@tempxi{%
12474         \the\bidipoem@p@ftn
12475     \begingroup
12476         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12477         \noexpand\protected@xdef\noexpand\@thefnmark{%
12478             \noexpand\thempfn
12479         }%
12480         \noexpand\Hy@bidipoem@LTRfootnotetext{%
12481             \Hy@footnote@currentHref
12482         }%
12483     }%
12484     \global\bidipoem@p@ftn\expandafter{%
12485         \@tempxi{#1}%
12486     \endgroup
12487 }%
12488 }%
12489 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12490     \HLTR@@LTRfootnotetext{%
12491         \ifHy@nesting
12492             \hyper@@anchor{#1}{#2}%
12493         \else
12494             \Hy@raisedlink{%
12495                 \hyper@@anchor{#1}{\relax}%
12496             }%
12497             \def\@currentHref{#1}%

```



```

12498         \let\@currentlabelname\@empty
12499         #2%
12500     \fi
12501 }%
12502 }%
12503     \long\def\bidipoem@p@RTLftntext#1{%
12504     \edef\@tempxi{%
12505     \the\bidipoem@p@ftn
12506     \begingroup
12507     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12508     \noexpand\protected@xdef\noexpand\@thefnmark{%
12509     \noexpand\thempfn
12510     }%
12511     \noexpand\Hy@bidipoem@RTLfootnotetext{%
12512     \Hy@footnote@currentHref
12513     }%
12514     }%
12515     \global\bidipoem@p@ftn\expandafter{%
12516     \@tempxi{#1}%
12517     \endgroup
12518     }%
12519 }%
12520 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12521     \HRTL@RTLfootnotetext{%
12522     \ifHy@nesting
12523     \hyper@@anchor{#1}{#2}%
12524     \else
12525     \Hy@raisedlink{%
12526     \hyper@@anchor{#1}{\relax}%
12527     }%
12528     \def\@currentHref{#1}%
12529     \let\@currentlabelname\@empty
12530     #2%
12531     \fi
12532     }%
12533 }%
12534 }{}%
12535 \let\HyOrg@maketitle\maketitle
12536 \def\maketitle{%
12537     \let\Hy@saved@footnotemark\@footnotemark
12538     \let\Hy@saved@footnotetext\@footnotetext
12539     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12540     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12541     \let\@footnotemark\H@@footnotemark
12542     \let\@footnotetext\H@@footnotetext
12543     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12544     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12545     \@ifnextchar[\Hy@maketitle@optarg{% ]
12546     \HyOrg@maketitle
12547     \Hy@maketitle@end

```



```

12548 }%
12549 }%
12550 \def\Hy@maketitle@optarg[#1]{%
12551   \HyOrg@maketitle[#{#1}]%
12552   \Hy@maketitle@end
12553 }%
12554 \def\Hy@maketitle@end{%
12555   \ifx\@footnotemark\H@@footnotemark
12556     \let\@footnotemark\Hy@saved@footnotemark
12557   \fi
12558   \ifx\@footnotetext\H@@footnotetext
12559     \let\@footnotetext\Hy@saved@footnotetext
12560   \fi
12561   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12562     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12563   \fi
12564   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12565     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12566   \fi
12567 }%
12568 \def\realfootnote{%
12569   \@ifnextchar[\@xfootnote{%
12570     \stepcounter{\@mpfn}%
12571     \protected@xdef\@thefnmark{\thempfn}%
12572     \H@@@footnotemark\H@@@footnotetext
12573   }%
12574 }%
12575 \fi
12576 \def\Hy@BeginAnnot#1{%
12577   \ifmmode\else\beginL\fi%
12578   \global\advance\c@Hy@AnnotLevel\@ne
12579   \ifnum\c@Hy@AnnotLevel=\@ne
12580     #1%
12581   \fi
12582 }
12583 \def\Hy@endAnnot{%
12584   \ifnum\c@Hy@AnnotLevel=\@ne
12585     \Hy@endcolorlink
12586     \@pdfm@mark{eann}%
12587   \fi
12588   \global\advance\c@Hy@AnnotLevel\m@ne
12589   \ifmmode\else\endL\fi%
12590 }
12591 \def\hyper@link#1#2#3{%
12592   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\endR%
12593 }
12594 \def\hyper@linkfile#1#2#3{%
12595   \leavevmode
12596   \Hy@BeginAnnot{%
12597     \def\Hy@pstringF{#2}%

```



```

12598 \Hy@CleanupFile\Hy@pstringF
12599 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12600 \Hy@pstringdef\Hy@pstringD{#3}%
12601 \Hy@MakeRemoteAction
12602 \@pdfm@mark{%
12603   bann<<%
12604     /Type/Annot%
12605     /Subtype/Link%
12606     \ifHy@pdfa /F 4\fi
12607     \Hy@setpdfborder
12608     \ifx\@filebordercolor\relax
12609     \else
12610       /C[\@filebordercolor]%
12611     \fi
12612     /A<<%
12613     /S/GoToR%
12614     /F(\Hy@pstringF)%
12615     /D%
12616     \ifx\#3\%
12617       [\Hy@href@page\@pdfremotestartview]%
12618     \else
12619       (\Hy@pstringD)%
12620     \fi
12621     \Hy@SetNewWindow
12622     \Hy@href@nextactionraw
12623   >>%
12624   >>%
12625   }%
12626   \Hy@colorlink\@filecolor
12627 }%
12628 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12629 \Hy@endAnnot
12630 }
12631 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12632 \leavevmode
12633 \Hy@BeginAnnot{%
12634   \Hy@pstringdef\Hy@pstringF{#1}%
12635   \Hy@pstringdef\Hy@pstringP{#3}%
12636   \@pdfm@mark{%
12637     bann<<%
12638       /Type/Annot%
12639       /Subtype/Link%
12640       \ifHy@pdfa /F 4\fi
12641       \Hy@setpdfborder
12642       \ifx\@runbordercolor\relax
12643       \else
12644         /C[\@runbordercolor]%
12645       \fi
12646       /A<<%
12647       /F(\Hy@pstringF)%

```



```

12648         /S/Launch%
12649         \Hy@SetNewWindow
12650         \ifx\|#3\%
12651         \else
12652             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12653         \fi
12654         \Hy@href@nextactionraw
12655     >>%
12656 >>%
12657 }%
12658 \Hy@colorlink\@runcolor
12659 }%
12660 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12661 \Hy@EndAnnot
12662 }
12663 \def\hyper@linkurl#1#2{%
12664     \leavevmode
12665     \Hy@BeginAnnot{%
12666         \Hy@pstringdef\Hy@pstringURI{#2}%
12667         \@pdfm@mark{%
12668             bann<<%
12669                 /Type/Annot%
12670                 /Subtype/Link%
12671                 \ifHy@pdfa /F 4\fi
12672                 \Hy@setpdfborder
12673                 \ifx\@urlbordercolor\relax
12674                 \else
12675                     /C[\@urlbordercolor]%
12676                 \fi
12677                 /A<<%
12678                 /S/URI%
12679                 /URI(\Hy@pstringURI)%
12680                 \ifHy@href@ismap
12681                 /IsMap true%
12682                 \fi
12683                 \Hy@href@nextactionraw
12684             >>%
12685         >>%
12686     }%
12687     \Hy@colorlink\@urlcolor
12688 }%
12689 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12690 \Hy@EndAnnot
12691 }
12692 \def\Acrobatmenu#1#2{%
12693     \Hy@Acrobatmenu{#1}{#2}{%
12694         \Hy@BeginAnnot{%
12695             \EdefEscapeName\Hy@temp@menu{#1}%
12696             \@pdfm@mark{%
12697                 bann<<%

```



```

12698      /Type/Annot%
12699      /Subtype/Link%
12700      \ifHy@pdfa /F 4\fi
12701      \Hy@setpdfborder
12702      \ifx\@menubordercolor\relax
12703      \else
12704      /C[\@menubordercolor]%
12705      \fi
12706      /A<<%
12707      /S/Named%
12708      /N/\Hy@temp@menu
12709      \Hy@href@nextactionraw
12710      >>%
12711      >>%
12712      }%
12713      \Hy@colorlink\@menucolor
12714      }%
12715      \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12716      \Hy@endAnnot
12717      }%
12718      }
12719      \def\hyper@natlinkstart#1{%
12720      \Hy@backout{#1}%
12721      \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12722      \def\hyper@nat@current{#1}%
12723      }
12724      \def\hyper@natlinkend{%
12725      \if@RTL\endR\fi\hyper@linkend
12726      }
12727      \def\hyper@natlinkbreak#1#2{%
12728      \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12729      }%
12730      }
12731      \pdfstringdefDisableCommands{%
12732      \let\LRE\@firstofone
12733      \let\LR\@firstofone
12734      \let\RLE\@firstofone
12735      \let\RL\@firstofone
12736      \def\XeTeX{Xe\TeX}
12737      \def\XeLaTeX{Xe\LaTeX}
12738      }
12739      \@ifpackageloaded{longtable}{%
12740      \begingroup
12741      \def\y{\LT@array}%
12742      \@ifundefined{scr@LT@array}{%
12743      \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12744      }\def\y{\scr@LT@array}%
12745      \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12746      \expandafter\endgroup
12747      \expandafter\def\y[##1]##2{%

```



```

12748      \H@refstepcounter{#1}%
12749      \hyper@makecurrent{table}%
12750      \let\Hy@LT@currentHref\@currentHref
12751      #2\@sharp####4%
12752    }%
12753  }%
12754  \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
12755  \begingroup
12756    \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12757      \endgroup
12758      \def\LT@start{%
12759        #1%
12760        \ifvoid\LT@foot#2\fi
12761        \let\@currentHref\Hy@LT@currentHref
12762        \Hy@raisedlink{%
12763          \hyper@anchorstart{\@currentHref}\hyper@anchorend
12764        }%
12765        #3%
12766      }%
12767    }%
12768    \expandafter\x\LT@start\@nil
12769  }{}

```

70 File `imsproc-xetex-bidi.def`

```

12770 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for ]
12771 \newenvironment{thebibliography}[1]{%
12772   \@bibtitlestyle
12773   \normalfont\bibliofont\labelsep .5em\relax
12774   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12775   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12776   \bidi@thebibliography@font@hook
12777   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12778     \leftmargin\labelwidth \advance\leftmargin\labelsep
12779     \usecounter{enumiv}}%
12780   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12781   \sfcode`\.=\@m
12782 }{%
12783   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12784   \endlist
12785 }
12786
12787 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12788   \columnseprule\z@ \columnsep 35\p@
12789   \@indextitlestyle
12790   \thispagestyle{plain}%
12791   \let\item\@idxitem
12792   \parindent\z@ \parskip\z@\@plus.3\p@\relax
12793   \if@RTL\raggedleft\else\raggedright\fi
12794   \hyphenpenalty\@M

```




```

12795 \footnotesize}
12796 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12797 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12798 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12799
12800 \def\right@footnoterule{%
12801 \kern-.4\p@
12802 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12803 \kern11\p@\kern-\footnotesep}
12804 \def\left@footnoterule{\kern-.4\p@
12805 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12806 \def\@makefnmark{%
12807 \leavevmode
12808 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12809 }
12810
12811 \def\part{\@startsection{part}{0}%
12812 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12813 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12814 \def\@tocline#1#2#3#4#5#6#7{\relax
12815 \ifnum #1>\c@tocdepth % then omit
12816 \else
12817 \par \addpenalty\@secpenalty\addvspace{#2}%
12818 \begingroup \hyphenpenalty\@M
12819 \@ifempty{#4}{%
12820 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12821 }{%
12822 \@tempdima#4\relax
12823 }%
12824 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12825 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12826 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12827 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12828 \nobreak
12829 \endgroup
12830 \fi}
12831 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12832 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12833 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12834 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12835 \def\maketitle{\par
12836 \@topnum\z@ % this prevents figures from falling at the top of page 1
12837 \@setcopyright
12838 \thispagestyle{firstpage}% this sets first page specifications
12839 \uppercase\nonmath\shorttitle
12840 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12841 \else \andify\shortauthors
12842 \fi
12843 \@maketitle@hook
12844 \begingroup

```



```

12845 \@maketitle
12846 \toks@{\xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
12847 \toks4{\def\\{\ \ignorespaces}}% defend against questionable usage
12848 \edef\@tempa{%
12849   \@nx\markboth{\the\toks4
12850     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12851 \@tempa
12852 \endgroup
12853 \c@footnote\z@
12854 \clearatopmattertags
12855 }

```

71 File leqno-xetex-bidi.def

```

12856 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12857 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12858 \rlap{\hskip -\displaywidth
12859 \normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

72 File letter-xetex-bidi.def

```

12860 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12861 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12862 \thispagestyle{firstpage}%
12863 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12864 \else % home address
12865 \thispagestyle{empty}%
12866 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12867 \fromaddress \*[2\parskip]%
12868 \@date \end{tabular}\par}%
12869 \fi
12870 \vspace{2\parskip}%
12871 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12872 \vspace{2\parskip}%
12873 #1\par\nobreak}
12874 \renewcommand\left@footnoterule{%
12875 \kern-\p@
12876 \hrule \@width .4\columnwidth
12877 \kern .6\p@}
12878 \renewcommand\right@footnoterule{%
12879 \kern-\p@
12880 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12881 \kern .6\p@}

```

73 File lettrine-xetex-bidi.def

```

12882 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package
12883 \def\@lettrine[#1]#2#3{%
12884 \setcounter{L@lines}{\theDefaultLines}%
12885 \setcounter{L@depth}{\theDefaultDepth}%

```



```

12886 \renewcommand*{\L@hang}{\DefaultLhang}%
12887 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12888 \renewcommand*{\L@raise}{\DefaultLraise}%
12889 \renewcommand*{\L@ante}{}%
12890 \setlength{\L@Findent}{\DefaultFindent}%
12891 \setlength{\L@Nindent}{\DefaultNindent}%
12892 \setlength{\L@slope}{\DefaultSlope}%
12893 \setlength{\L@novskip}{\DiscardVskip}%
12894 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12895 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12896 \if\DefaultOptionsFile\relax
12897 \else
12898 \begingroup
12899 \InputIfFileExists{\DefaultOptionsFile}%
12900 {}%
12901 {\PackageWarning{lettrine.sty}%
12902 {File \DefaultOptionsFile\space not found}}%
12903 }%
12904 \def\color##1##{\l@color{##1}}%
12905 \let\l@color\@gobbletwo
12906 \def\textcolor##1##{\l@textcolor{##1}}%
12907 \def\l@textcolor##1##2##3{##3}%
12908 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12909 \gdef\l@LOKeys{}%
12910 \else
12911 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12912 \fi
12913 \endgroup
12914 \def\KV@prefix{KV@L@}%
12915 \let\@tempc\relax
12916 \expandafter\KV@do\l@LOKeys,\relax,
12917 \sbox{\L@lbox}{\LettrineFont #2}%
12918 \setlength{\LettrineWidth}{\wd\L@lbox}%
12919 \def\KV@prefix{KV@L@}%
12920 \let\@tempc\relax
12921 \expandafter\KV@do\l@LOKeys,\relax,
12922 \fi
12923 \setkeys{L}{#1}%
12924 \ifL@image
12925 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12926 \else
12927 \sbox{\L@lbox}{\LettrineFont #2}%
12928 \fi
12929 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12930 \@tempdima=\baselineskip
12931 \ifnum\theL@lines=1
12932 \setlength{\L@first}{\ht\L@lbox}%
12933 \addtolength{\L@first}{-\ht\L@tbox}%
12934 \setlength{\L@lraise}{\z@}%
12935 \else

```



```

12936 \setlength{\L@first}{-\theL@lines\@tempdima}%
12937 \addtolength{\L@first}{\@tempdima}%
12938 \sbox{\@tempboxa}{\LettrineTextFont x}%
12939 \addtolength{\L@first}{-\ht\@tempboxa}%
12940 \setlength{\L@lraise}{-\L@raise\L@first}%
12941 \addtolength{\L@first}{\L@lraise}%
12942 \addtolength{\L@first}{\ht\L@lbox}%
12943 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12944 \addtolength{\L@lraise}{\@tempdima}%
12945 \fi
12946 \par
12947 \ifdim\L@first>\L@novskip
12948 \ifL@grid
12949 \@tempdima=\baselineskip
12950 \@tempdimb=\@tempdima
12951 \advance\@tempdimb by \L@novskip
12952 \@tempcnta=1
12953 \loop\ifdim\L@first>\@tempdimb
12954 \advance\@tempcnta by 1
12955 \advance\L@first by -\@tempdima
12956 \repeat
12957 \vskip\@tempcnta\baselineskip
12958 \else
12959 \vskip\L@first
12960 \fi
12961 \fi
12962 \setlength{\L@Pindent}{\wd\L@lbox}%
12963 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12964 \settowidth{\L@first}{\L@ante}%
12965 \addtolength{\L@Pindent}{\L@first}%
12966 \addtolength{\L@Pindent}{\L@Findent}%
12967 \setlength{\L@first}{\linewidth}%
12968 \addtolength{\L@first}{-\L@Pindent}%
12969 \addtolength{\L@Nindent}{\L@Pindent}%
12970 \setlength{\L@next}{\linewidth}%
12971 \addtolength{\L@next}{-\L@Nindent}%
12972 \addtolength{\L@Pindent}{\rightmargin}%
12973 \addtolength{\L@Nindent}{\rightmargin}%
12974 \setlength{\LettrineWidth}{\wd\L@lbox}%
12975 \setlength{\LettrineHeight}{\ht\L@lbox}%
12976 \setlength{\LettrineDepth}{\dp\L@lbox}%
12977 \addtocounter{L@lines}{1}%
12978 \addtocounter{L@lines}{\the\c@L@depth}%
12979 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12980 \@tempcnta=\tw@
12981 \@whilenum \@tempcnta<\c@L@lines\do{%
12982 \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \t
12983 \addtolength{\L@Nindent}{\L@slope}%
12984 \addtolength{\L@next}{-\L@slope}%
12985 \advance\@tempcnta\@ne}%

```



```

12986 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \
12987 \noindent
12988 \parshape=\L@parshape\relax
12989 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12990 \hskip \the\L@Findent}}%
12991 \usebox{\L@tbox}%
12992 }

```

74 File lineno-xetex-bidi.def

```

12993 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
12994 \bidi@patchcmd{\MakeLineNo}{%
12995 \hb@xt@{z@{\makeLineNumber}}%
12996 }{%
12997 \hboxL to {z@{\makeLineNumber}}%
12998 }{}{}
12999
13000 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13001 \if@RTL
13002 \hb@xt@{\linewidthwidth{\LineNumber\hss}}%
13003 \else
13004 \LineNumber
13005 \fi
13006 }{}{}
13007
13008 \bidi@patchcmd{\makeLineNumberRight}{%
13009 \hb@xt@{\linewidthwidth{\hss\LineNumber}}%
13010 }{%
13011 \if@RTL
13012 \LineNumber
13013 \else
13014 \hb@xt@{\linewidthwidth{\hss\LineNumber}}%
13015 \fi
13016 }{}{}
13017
13018 \bidi@AfterPreamble{%
13019 \if@RTLmain
13020 \rightlinenumbers*
13021 \else
13022 \leftlinenumbers*
13023 \fi
13024 \@ifpackagewith{lineno}{left}{%
13025 \leftlinenumbers*
13026 }{}
13027 \@ifpackagewith{lineno}{right}{%
13028 \rightlinenumbers*
13029 }{}
13030 }
13031

```



75 File listings-xetex-bidi.def

```

13032 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
13033 \lst@Key{captiondirection}{textdirection}{%
13034   \lstKV@SwitchCases{#1}%
13035   {textdirection&\\%
13036     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
13037     LTR&\chardef\bidi@lst@caption@direction\z@%
13038   }\PackageError{Listings}{direction #1 unknown}\@ehc}}
13039
13040 \lst@Key{captionscript}{textscript}{%
13041   \lstKV@SwitchCases{#1}%
13042   {textscript&\\%
13043     latin&\chardef\bidi@lst@caption@script\@ne\\%
13044     nonlatin&\chardef\bidi@lst@caption@script\z@%
13045   }\PackageError{Listings}{direction #1 unknown}\@ehc}}
13046
13047 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13048   \@ifundefined{bidi@lst@caption@direction}{\@%
13049     \ifnum\bidi@lst@caption@direction=\z@%
13050       #1%
13051     \else%
13052       \ifnum\bidi@lst@caption@direction=\@ne%
13053         #2%
13054       \fi%
13055     \fi%
13056   }}
13057
13058 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13059   \@ifundefined{bidi@lst@caption@script}{\@%
13060     \ifnum\bidi@lst@caption@script=\z@%
13061       #1%
13062     \else%
13063       \ifnum\bidi@lst@caption@script=\@ne%
13064         #2%
13065       \fi%
13066     \fi%
13067   }}
13068
13069 \long\def\bidi@lst@makecaption#1#2{%
13070   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13071   \vskip\abovecaptionskip
13072   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13073   \sbox\@tempboxa{%
13074     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13075     #1: #2%
13076     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13077   }%
13078   \ifdim \wd\@tempboxa >\hsize
13079     #1: #2\par

```



```

13080 \else
13081 \global \@minipagefalse
13082 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13083 \fi
13084 \vskip\belowcaptionskip}%
13085 \def\lst@makecaption{\@bidi@lst@makecaption}
13086 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13087 \bidi@AtEndPreamble{%
13088 \bidi@patchcmd{\lst@MakeCaption}{%
13089 \ifx #1%
13090 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13091 \expandafter\refstepcounter
13092 \fi {lstlisting}%
13093 }{%
13094 \ifx #1%
13095 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13096 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13097 \expandafter\refstepcounter
13098 \fi {lstlisting}%
13099 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13100 }{}}%
13101 \bidi@patchcmd{\lst@MakeCaption}{%
13102 \addcontentsline{lol}{lstlisting}%
13103 {\protect\numberline{\thelstlisting}\lst@@caption}%
13104 }{%
13105 \begingroup%
13106 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13107 \addcontentsline{lol}{lstlisting}%
13108 {\protect\numberline{\thelstlisting}\lst@@caption}%
13109 \endgroup%
13110 }{}}%
13111 }
13112 \@ifpackageloaded{caption}{%
13113 \AtBeginCaption{%
13114 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13115 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13116 }
13117 \let\@bidi@lst@makecaption\caption@makecaption%
13118 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13119 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13120 }{%
13121 \AtBeginDocument{%
13122 \@ifundefined{captionlabelfalse}{}%
13123 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13124 \@ifundefined{caption@startrue}{}%
13125 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
13126 }%
13127 }
13128 \AtBeginDocument{
13129 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{%

```



```

13130 \lst@ifnumberbychapter
13131     \gdef\thelstlisting%
13132         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13133 \else
13134     \gdef\thelstlisting{\@arabic\c@lstlisting}
13135 \fi}

```

76 File loadingorder-xetex-bidi.def

```

13136 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13137 \bidi@isloaded{amsmath}
13138 \bidi@isloaded{amstext}
13139 \bidi@isloaded{amsthm}
13140 \bidi@isloaded{animate}
13141 \bidi@isloaded{breqn}
13142 \bidi@isloaded{cals}
13143 \bidi@isloaded{caption}
13144 \bidi@isloaded{crop}
13145 \bidi@isloaded{cuted}
13146 \bidi@isloaded{cutwin}
13147 \bidi@isloaded{color}
13148 \bidi@isloaded{dblfnote}
13149 \bidi@isloaded{diagbox}
13150 \bidi@isloaded{xcolor}
13151 \bidi@isloaded{colortbl}
13152 \bidi@isloaded{float}
13153 \bidi@isloaded{floatrow}
13154 \bidi@isloaded{flowfram}
13155 \bidi@isloaded{framed}
13156 \bidi@isloaded{ftnright}
13157 \bidi@isloaded{xltextra}
13158 \bidi@isloaded{xunicode}
13159 \bidi@isloaded{wrapfig}
13160 \bidi@isloaded{graphicx}
13161 \bidi@isloaded{geometry}
13162 \bidi@isloaded{hvfloat}
13163 \bidi@isloaded{mdframed}
13164 \bidi@isloaded{midfloat}
13165 \bidi@isloaded{ntheorem}
13166 \bidi@isloaded{ntheorem-hyper}
13167 \bidi@isloaded{hyperref}
13168 \bidi@isloaded{fancybox}
13169 \bidi@isloaded{fancyhdr}
13170 \bidi@isloaded{fix2col}
13171 \bidi@isloaded{draftwatermark}
13172 \bidi@isloaded{empheq}
13173 \bidi@isloaded{overpic}
13174 \bidi@isloaded{pdfpages}
13175 \bidi@isloaded{listings}
13176 \bidi@isloaded{lettrine}

```




```

13177 \bidi@isloaded{lineno}
13178 \bidi@isloaded{media9}
13179 \bidi@isloaded{pstricks}
13180 \bidi@isloaded{pgf}
13181 \bidi@isloaded{picinpar}
13182 \bidi@isloaded{quotchap}
13183 \bidi@isloaded{tikz}
13184 \bidi@isloaded{titlesec}
13185 \bidi@isloaded{titletoc}
13186 \bidi@isloaded{array}
13187 \bidi@isloaded{soul}
13188 \bidi@isloaded{stabular}
13189 \bidi@isloaded{subfig}
13190 \bidi@isloaded{subfigure}
13191 \bidi@isloaded{supertabular}
13192 \bidi@isloaded{xtab}
13193 \bidi@isloaded{longtable}
13194 \bidi@isloaded{arydshln}
13195 \bidi@isloaded{multicol}
13196 \bidi@isloaded{multienum}
13197 \bidi@isloaded{minitoc}
13198 \bidi@isloaded{natbib}
13199 \bidi@isloaded{newfloat}
13200 \bidi@isloaded{ragged2e}
13201 \bidi@isloaded{rotating}
13202 \bidi@isloaded{tbls}
13203 \bidi@isloaded{tabulary}
13204 \bidi@isloaded{tocbasic}
13205 \bidi@isloaded{tocstyle}
13206 \bidi@isloaded{tocbibind}
13207 \bidi@isloaded{fontspec}
13208 \bidi@isloaded{arabxetex}
13209 \bidi@isloaded{polyglossia}
13210 \bidi@isloaded{fancyvrb}
13211 \AtBeginDocument{
13212   \if@bidi@amsmathloaded@ \else
13213     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13214   \fi%
13215   \if@bidi@amstextloaded@ \else
13216     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13217   \fi%
13218   \if@bidi@amsthmloaded@ \else
13219     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13220   \fi%
13221   \if@bidi@animateloaded@ \else
13222     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13223   \fi%
13224   \if@bidi@breqnloaded@ \else
13225     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13226   \fi%

```



```

13227 \if@bidi@calsloaded@else
13228 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.
13229 \fi%
13230 \if@bidi@captionloaded@else
13231 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packa
13232 \fi%
13233 \if@bidi@croplloaded@else
13234 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
13235 \fi%
13236 \if@bidi@colorloaded@else
13237 \@ifpackageloaded{hyperref}{-}{%
13238 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
13239 \fi%
13240 \if@bidi@cutwinloaded@else
13241 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package
13242 \fi%
13243 \if@bidi@cutedloaded@else
13244 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
13245 \fi%
13246 \if@bidi@dblfnoteloaded@else
13247 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi packa
13248 \fi%
13249 \if@bidi@diagboxloaded@else
13250 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi packa
13251 \fi%
13252 \if@bidi@xcolorloaded@else
13253 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package
13254 \fi%
13255 \if@bidi@colortblloaded@else
13256 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi packa
13257 \fi%
13258 \if@bidi@floatloaded@else
13259 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
13260 \fi%
13261 \if@bidi@floatrowloaded@else
13262 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13263 \fi%
13264 \if@bidi@flowframloaded@else
13265 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13266 \fi%
13267 \if@bidi@framedloaded@else
13268 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package
13269 \fi%
13270 \if@bidi@ftnrightloaded@else
13271 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13272 \fi%
13273 \if@bidi@xltxtraloaded@else
13274 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packa
13275 \fi%
13276 \if@bidi@xunicodeloaded@else

```



```

13277 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13278 \fi%
13279 \if@bidi@wrapfigloaded@else
13280 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13281 \fi%
13282 \if@bidi@graphicxloaded@else
13283 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13284 \fi%
13285 \if@bidi@geometryloaded@else
13286 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13287 \fi%
13288 \if@bidi@hvfloatloaded@else
13289 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
13290 \fi%
13291 \if@bidi@mdframedloaded@else
13292 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13293 \fi%
13294 \if@bidi@midfloatloaded@else
13295 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13296 \fi%
13297 \if@bidi@ntheoremloaded@else
13298 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13299 \fi%
13300 \if@bidi@hyperrefloaded@else
13301 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13302 \fi%
13303 \if@bidi@fancyboxloaded@else
13304 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13305 \fi%
13306 \if@bidi@fancyhdrloaded@else
13307 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13308 \fi%
13309 \if@bidi@draftwatermarkloaded@else
13310 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi
13311 \fi%
13312 \if@bidi@empheqloaded@else
13313 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13314 \fi%
13315 \if@bidi@overpicloaded@else
13316 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13317 \fi%
13318 \if@bidi@pdfpagesloaded@else
13319 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13320 \fi%
13321 \if@bidi@lettrineloaded@else
13322 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13323 \fi%
13324 \if@bidi@linenoloaded@else
13325 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13326 \fi%

```



```

13327 \if@bidi@listingsloaded@else
13328   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13329 \fi%
13330 \csname if@bidi@media9loaded@endcsname\else
13331   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13332 \fi%
13333 \if@bidi@pstricksloaded@else
13334   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13335 \fi%
13336 \if@bidi@pgfloaded@else
13337   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13338 \fi%
13339 \if@bidi@picinparloaded@else
13340   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13341 \fi%
13342 \if@bidi@quotchaploaded@else
13343   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13344 \fi%
13345 \if@bidi@tikzloaded@else
13346   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13347 \fi%
13348 \if@bidi@titlesecloaded@else
13349   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13350 \fi%
13351 \if@bidi@titletocloaded@else
13352   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13353 \fi%
13354 \if@bidi@arrayloaded@else
13355   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
13356 \fi%
13357 \if@bidi@stabularloaded@else
13358   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13359 \fi%
13360 \if@bidi@soulloaded@else
13361   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13362 \fi%
13363 \if@bidi@subfigloaded@else
13364   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package
13365 \fi%
13366 \if@bidi@subfigureloaded@else
13367   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13368 \fi%
13369 \if@bidi@supertabularloaded@else
13370   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13371 \fi%
13372 \if@bidi@xtabloaded@else
13373   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13374 \fi%
13375 \if@bidi@longtableloaded@else
13376   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack

```



```

13377 \fi%
13378 \if@bidi@arydshlnloaded@else
13379 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pack
13380 \fi%
13381 \if@bidi@multicolloaded@else
13382 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pack
13383 \fi%
13384 \if@bidi@multienumloaded@else
13385 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13386 \fi%
13387 \if@bidi@minitocloaded@else
13388 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13389 \fi%
13390 \if@bidi@natbibloaded@else
13391 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13392 \fi%
13393 \if@bidi@newfloatloaded@else
13394 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13395 \fi%
13396 \csname if@bidi@ragged2eloaded@endcsnameelse
13397 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13398 \fi%
13399 \if@bidi@rotatingloaded@else
13400 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13401 \fi%
13402 \if@bidi@tblsloaded@else
13403 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13404 \fi%
13405 \if@bidi@tabularyloaded@else
13406 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13407 \fi%
13408 \if@bidi@tocbasicloaded@else
13409 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13410 \fi%
13411 \if@bidi@tocstyleloaded@else
13412 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13413 \fi%
13414 \if@bidi@tocbibindloaded@else
13415 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13416 \fi%
13417 \if@bidi@fontspecloaded@else
13418 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13419 \fi%
13420 \if@bidi@arabxetexloaded@else
13421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13422 \fi%
13423 \if@bidi@polyglossialloaded@else
13424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13425 \fi%
13426 \if@bidi@fancyvrbloaded@else

```



```

13427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13428 \fi%
13429 }

```

77 File longtable-xetex-bidi.def

```

13430 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13431 \def\LT@array[#1]#2{%
13432 \refstepcounter{table}\stepcounter{LT@tables}%
13433 \if l#1%
13434 \if RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13435 \else\if r#1%
13436 \if RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13437 \else\if c#1%
13438 \LTleft\fill \LTright\fill
13439 \fi\fi\fi
13440 \let\LT@mc\multicolumn
13441 \let\LT@tabarray\@tabarray
13442 \let\LT@hline\hline
13443 \def\@tabarray{%
13444 \let\hline\LT@hline
13445 \LT@tabarray}%
13446 \let\LT@tabularcr\let\tabularnewline\%
13447 \def\newpage{\noalign{\break}}%
13448 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13449 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13450 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13451 \@tempdima\ht\strutbox
13452 \let\@endpbox\LT@endpbox
13453 \ifx\extrarowheight\@undefined
13454 \let\@acol\@tabacol
13455 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13456 \def\@startpbox{\vtop\LT@startpbox}%
13457 \let\@@startpbox\@startpbox
13458 \let\@@endpbox\@endpbox
13459 \let\LT@LL@FM@cr\@tabularcr
13460 \else
13461 \advance\@tempdima\extrarowheight
13462 \col@sep\@tabcolsep
13463 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13464 \fi
13465 \setbox\@arstrutbox\hbox{\vrule
13466 \@height \arraystretch \@tempdima
13467 \@depth \arraystretch \dp \strutbox
13468 \@width \z@}%
13469 \let\@sharp#\let\protect\relax
13470 \begingroup
13471 \mkpream{#2}%
13472 \xdef\LT@bchunk{%
13473 \global\advance\c@LT@chunks\@ne

```



```

13474 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13475 \LT@setprevdepth
13476 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13477 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
13478 \endgroup
13479 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13480 \LT@make@row
13481 \m@th\let\par\@empty
13482 \everycr{}\lineskip\z@\baselineskip\z@
13483 \LT@bchunk}
13484 \def\LT@makecaption#1#2#3{%
13485 \LT@mc\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
13486 \sbox\@tempboxa{\ifRTL\beginR\fi#1{#2: }#3\ifRTL\endR\fi}%
13487 \ifdim\wd\@tempboxa>\hsize
13488 #1{#2: }#3%
13489 \else
13490 \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
13491 \fi
13492 \endgraf\vskip\baselineskip}%
13493 \hss}}
13494 \ifpackageloaded{caption}{%
13495 \renewcommand\LT@makecaption[3]{%
13496 \caption@LT@make{%
13497 \caption@settype*\LTcaptype
13498 \ifdim\LTcapwidth=4in \else
13499 \setcaptionwidth\LTcapwidth
13500 \fi
13501 \caption@setoptions{longtable}%
13502 \caption@setoptions{@longtable}%
13503 \caption@LT@setup
13504 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13505 \caption@startrue#1\caption@starfalse
13506 \caption@prepare@stepcounter\LTcaptype{LT}%
13507 \caption@begin\LTcaptype
13508 \caption@normalsize
13509 \vskip-\ht\strutbox
13510 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13511 \caption@@make{#2}{#3}\endgraf
13512 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13513 \caption@end}}%
13514 }{}
13515 \def\LT@startpbox#1{%
13516 \bgroup
13517 \let\@footnotetext\LT@p@ftntext
13518 \let\@LTRfootnotetext\LT@p@LTRftntext
13519 \let\@RTLfootnotetext\LT@p@RTLftntext
13520 \setlength\hsize{#1}%
13521 \@arrayparboxrestore
13522 \vrule \@height \ht\@arstrutbox \@width \z@}
13523 \def\LT@p@LTRftntext#1{%

```



```

13524 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13525 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13526 \def\LT@p@RTLftntext#1{%
13527 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13528 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13529
13530
13531 \def\LT@output{%
13532 \ifnum\outputpenalty <-\@Mi
13533 \ifnum\outputpenalty > -\LT@end@pen
13534 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13535 \else
13536 \setbox\z@\vbox{\unvbox\@cclv}%
13537 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13538 \dimen@ \pagegoal
13539 \advance\dimen@-\ht\LT@lastfoot
13540 \ifdim\dimen@<\ht\z@
13541 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13542 \makecol
13543 \outputpage
13544 \setbox\z@\vbox{\box\LT@head}%
13545 \fi
13546 \fi
13547 \global\@colroom\@colht
13548 \global\vsizel\colht
13549 \vbox
13550 { \ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13551 \fi
13552 \else
13553 \setbox\@cclv\vbox{\ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13554 \makecol
13555 \outputpage
13556 \global\vsizel\colroom
13557 \copy\LT@head\nobreak
13558 \fi}

```

78 File mathtools-xetex-bidi.def

```

13559 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13560 \MHInternalSyntaxOn
13561 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13562 \namedef{MT_tagform_#1:n}##1
13563 {\maketag@@@{\ifnonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13564 }
13565 \renewtagform{default}{\{()\}}
13566 \MHInternalSyntaxOff

```

79 File mdframed-xetex-bidi.def

```

13567 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]

```




```

13568 \newif\if@bidi@mdf@RTL
13569 \def\mdf@lrbox#1{%
13570   \mdf@patchamsthm\patch amsthm
13571   \if@RTL\@bidi@mdf@RTLtrue\fi%
13572   \@RTLfalse%
13573   \setbox#1\vbox\bgroup%
13574   \color@begingroup%
13575   \if@bidi@mdf@RTL\@RTLtrue\fi%
13576   \mdf@horizontalmargin@equation%
13577   \columnwidth=\hsize%
13578   \textwidth=\hsize%
13579   \let\if@nobreak\iffalse%
13580   \let\if@noskipsec\iffalse%
13581   \let\par@@@par%
13582   \let\-\@dischyph%
13583   \let'\@acci\let\` \@accii\let\=\@acciii%
13584   \parindent\z@ \parskip\z@skip%
13585   \linewidth\hsize%
13586   \@totalleftmargin\z@%
13587   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13588   \parfillskip\@flushglue \lineskip\normallineskip%
13589   \baselineskip\normalbaselineskip%
13590 %% \sloppy%
13591   \let\\\@normalcr%
13592   \mdf@par@local%New feature to restore parskip/parindent local in save box
13593   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13594   \@afterindentfalse%
13595   %\@afterheading%
13596 }
13597 \renewrobustcmd\mdfframedtitleenv[1]{%
13598   \mdf@lrbox{\mdf@frametitlebox}%
13599   \mdf@frametitlealignment%
13600   \leavevmode{\color{\mdf@frametitlefontcolor}%
13601     \normalfont\mdf@frametitlefont{#1}
13602     \ifbool{mdf@ignorelastdescenders}%
13603       {%
13604         \par\strut\par
13605         \unskip\unskip\setbox0=\lastbox
13606         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13607       }{}}%
13608   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13609   \endmdf@lrbox\relax%
13610   \mdf@ignorevbadness%
13611   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13612   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13613   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13614   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13615   \mdfframetitleboxtotalheight=\dimexpr
13616     \ht\mdf@frametitlebox
13617     +\dp\mdf@frametitlebox%

```



```

13618             +\mdf@frametitleaboveskip@length
13619             +\mdf@frametitlebelowskip@length
13620             \relax%
13621 }
13622
13623 \renewrobustcmd*\mdf@footnoteoutput{%
13624     \ifvoid\@mpfootins\else%
13625         \nobreak%
13626         \vskip\mdf@footnotedistance@length%
13627         \normalcolor%
13628         \bidi\@mpfootnoterule%
13629         \unvbox\@mpfootins%
13630     \fi%
13631 }
13632
13633
13634 \renewrobustcmd*\mdf@footnoteinput{%
13635     \def\@mpfn{\mpfootnote}%
13636     \def\thempfn{\thempfootnote}%
13637     \c@mpfootnote\z@%
13638     \let\@footnotetext\@mpfootnotetext%
13639     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13640     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13641 }

```

80 File bidi-media9.sty

```

13642 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13643 {bidi fixes for media9 package for the XeTeX engine}
13644
13645 \keys_define:nn{media9/mbtn}{
13646     draft .code:n = {},
13647     final .code:n = {},
13648
13649     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13650     tooltip .value_required:n = {true},
13651
13652     overface .code:n = {
13653         \sbox\l_mix_poster_box{
13654             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13655         \mix_pdfxform:n{\l_mix_poster_box}
13656         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13657     },
13658     overface .value_required:n = {true},
13659
13660     downface .code:n = {
13661         \sbox\l_mix_poster_box{
13662             \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13663         \mix_pdfxform:n{\l_mix_poster_box}
13664         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}

```



```

13665 },
13666 downface .value_required:n = {true},
13667
13668 3Dgotoview .code:n = {
13669   \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
13670   \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
13671   \tl_trim_spaces:N\l_tmpa_tl
13672   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13673     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13674       \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
13675       \regex_replace_once:nnN{([~:~]+:~?)}{\1}\l_tmpb_tl
13676       \tl_trim_spaces:N\l_tmpb_tl
13677       \tl_if_blank:VF\l_tmpb_tl{
13678         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13679           \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13680         }{
13681           \regex_match:nVTF{^[d+~$]\l_tmpb_tl{
13682             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13683           }{
13684             \regex_replace_once:nnN{^[~\s*]}{\1}\l_tmpb_tl
13685             \regex_replace_once:nnN{[s*~]\$}{\1}\l_tmpb_tl
13686             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13687           }
13688         }
13689       }
13690       \mix_pdfobj:nnn{}{dict}{
13691         /S/JavaScript/JS~(
13692           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13693           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13694             annotRM['\l_tmpa_tl']=
13695               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13696           }
13697           annotRM['\l_tmpa_tl'].activated=true;
13698         )
13699         \tl_if_blank:VF\l_tmpb_tl{
13700           /Next~<<
13701           /S/GoTo3DView
13702           /TA~\tl_use:c{ann@\l_tmpa_tl}
13703           /V\l_mix_vidx_tl
13704         >>
13705       }
13706     }
13707     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13708   }
13709   }{
13710     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13711     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13712       \tl_new:N\g_mix_refundefwarned_tl
13713       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13714     }

```



```

13715     }
13716   },
13717   3Dgotoview .value_required:n = {true},
13718
13719   mediacommand .code:n = {
13720     \tl_set:Nx\l_tmpa_tl{#1}
13721     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
13722     \tl_trim_spaces:N\l_tmpa_tl
13723     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13724       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13725         \tl_set:Nx\l_tmpb_tl{#1}
13726         \regex_replace_once:nnN{([^\:]+\:)?}{\1}\l_tmpb_tl
13727         \tl_trim_spaces:N\l_tmpb_tl
13728         \regex_replace_all:nnN{^{\|}\$}{\1}\l_tmpb_tl
13729         \tl_set:Nx\l_mix_cmd_tl{
13730           \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13731         \tl_trim_spaces:N\l_mix_cmd_tl
13732         \tl_set:Nx\l_mix_arg_tl{
13733           \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13734         \tl_trim_spaces:N\l_mix_arg_tl
13735         \mix_pdfobj:nnn{}{dict}{
13736           /S/JavaScript/JS~(
13737             if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13738             if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13739               annotRM['\l_tmpa_tl']=
13740                 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13741             }
13742             annotRM['\l_tmpa_tl'].activated=true;
13743           )
13744           \tl_if_blank:VF\l_mix_cmd_tl{
13745             /Next~<<
13746             /S/RichMediaExecute
13747             /TA~\tl_use:c{ann@\l_tmpa_tl}
13748             /TI~\tl_use:c{main@\l_tmpa_tl}
13749             /CMD~<<
13750             /C~(\l_mix_cmd_tl)
13751             \tl_if_blank:VF\l_mix_arg_tl{
13752               /A~[\l_mix_arg_tl]
13753             }
13754             >>
13755             >>
13756           }
13757         }
13758         \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13759       }
13760     }{
13761       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13762       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13763         \tl_new:N\g_mix_refundefwarned_tl
13764         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}

```



```

13765     }
13766   }
13767 },
13768 mediacommand .value_required:n = {true},
13769
13770 jsaction .code:n = {
13771   \tl_set:Nx\l_tmpa_tl{#1}
13772   \regex_match:nVTF{^[^[:]+:.*$}\l_tmpa_tl{
13773     \regex_replace_once:nnN{([[:]+):??.*}{\1}\l_tmpa_tl %extract ref
13774     \tl_trim_spaces:N\l_tmpa_tl
13775   }\tl_clear:N\l_tmpa_tl}
13776   \tl_set:Nx\l_tmpb_tl{#1}
13777   \tl_if_blank:VF\l_tmpa_tl{
13778     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13779       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13780       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13781         \tl_new:N\g_mix_refundefwarned_tl
13782         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13783       }
13784     }
13785     \regex_replace_once:nnN{[[:]+\:}{ }\l_tmpb_tl
13786   }
13787   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13788   \tl_trim_spaces:N\l_tmpb_tl
13789   \tl_if_blank:VF\l_tmpb_tl{
13790     \mix_pdfobj:nnn{}{dict}{
13791       /S/JavaScript/JS~(
13792         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13793   \bool_lazy_and:nnT{
13794     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13795   }{
13796     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13797   }{
13798     \mix_pdfobj:nnn{}{dict}{
13799       /S/JavaScript/JS~(
13800         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13801         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13802           annotRM['\l_tmpa_tl']=
13803             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13804         }
13805         annotRM['\l_tmpa_tl'].activated=true;
13806       )
13807     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13808   }
13809 }
13810 \bool_if:nT{
13811   \bool_lazy_and_p:nn{
13812     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13813   }{
13814     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}

```



```

13815     }
13816     || !\tl_if_blank_p:V\l_tmpb_tl
13817   }{
13818     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13819   }
13820 },
13821 jsaction .value_required:n = {true},
13822
13823 unknown .code:n = {
13824   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13825 }
13826 }
13827
13828 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
13829   \mix_uriend:
13830   \group_begin:
13831   \mix_beginLTR:
13832   \leavevmode
13833   %empty stream as appearance dummy
13834   \cs_if_exist:NF\g_mix_appearance_tl{
13835     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13836     \mix_pdfxform:n{\l_mix_poster_box}
13837     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13838   }
13839   \mix_reset:
13840   \mix_uribegin: %treat URI characters correctly
13841   \keys_set:nn{media9/user}{#1}
13842   \mix_uriend:
13843   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13844   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13845   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13846   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}{=}
13847   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13848
13849   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13850
13851   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13852   %\hbox_set:Nn\l_mix_poster_box{#2}
13853   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13854   \mix_scale:n{\l_mix_poster_box}
13855   \bool_if:nT{
13856     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13857     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13858   }{
13859     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13860   }
13861   \bool_if:NTF\g_mix_usrdraft_bool{
13862     \tl_if_empty:NF\g_mix_usrlabel_tl{
13863       \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13864     }

```



```

13865 \tl_if_blank:oTF{#2}{
13866   \mix_uribegin: %treat URI characters correctly
13867   \mix_draftbox:n{\tl_to_str:n{#3}}
13868   \mix_uriend:
13869 }{
13870   \hbox_to_wd:nn{\g_mix_wd_tl}{
13871     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13872     \box_use:N\l_mix_poster_box\hss
13873   }
13874 }
13875 }{
13876   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13877     %attach script that switches off play button overlay upon activation
13878     \mix_pdfobj:nnn{}{stream}{
13879       {}{
13880         var~ocgs=host.getOCGs(host.pageNum);
13881         for(var~i=0;i<ocgs.length;i++){
13882           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13883             ocgs[i].state=false;
13884           }
13885         }
13886       }
13887     }
13888     \mix_pdfobj:nnn{}{dict}{
13889       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13890     }
13891     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13892     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13893     %enforce plain playbutton overlay for XeTeX
13894     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13895   }
13896   %embed main asset
13897   \mix_uribegin:
13898   \mix_embedasset:n{#3}
13899   \bool_if:nTF{
13900     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13901   }{
13902     \bool_gset_true:N\g_mix_iiid_bool
13903     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13904   }{
13905     \str_case_x:nnF{\l_mix_base_tl}{
13906       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13907       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13908       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13909       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13910       {StrobeMediaPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13911     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
13912   }
13913   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13914   \mix_uriend:

```



```

13915 %secondary assets (added by addresource)
13916 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13917 \seq_map_inline:Nn\g_mix_script_seq{
13918   \mix_embedasset:n{##1}
13919   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13920 }
13921 %attach 3D calculation script
13922 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13923   \mix_embedasset:n{3Dmenu.js}
13924   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13925 }
13926 %create 3D views from file (option 3Dviews)
13927 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13928   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
13929   \int_zero:N\l_mix_viewcnt_int
13930   \int_zero:N\l_mix_lineno_int
13931
13932   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13933   \ior_map_inline:Nn\l_mix_vfile_stream{
13934     \int_incr:N\l_mix_lineno_int
13935     \keys_set:nn{media9/views}{##1} %process input line
13936   }
13937   \ior_close:N\l_mix_vfile_stream
13938 }
13939 \bool_if:nT{ %create default 3D view if required
13940   \g_mix_iiid_bool &&
13941   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13942 }{
13943   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13944   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13945   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13946   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13947   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13948   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13949   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13950
13951   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13952   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13953   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13954   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13955
13956   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13957   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13958   \tl_clear:N\l_mix_naarray_tl
13959
13960   \bool_if:NF\l_mix_ciiw_bool{
13961     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13962     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13963   }
13964

```




```

13965 \tl_clear:N\l_mix_naarray_tl
13966 \tl_clear:N\l_mix_saarray_tl
13967 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13968
13969 \mix_view:n{Default}
13970 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13971
13972 }
13973 \mix_pdfobj:nnn{}{dict}{
13974 /Type/RichMediaInstance
13975 /Subtype/\g_mix_mainassetsub_tl
13976 /Asset~\g_mix_mainasset_tl
13977 \bool_if:NF\g_mix_iiid_bool{
13978 /Params~<<
13979 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13980 /Foreground
13981 }{
13982 /Background
13983 }
13984 \tl_if_blank:VF\g_mix_flashvars_tl{
13985 /FlashVars~(\g_mix_flashvars_tl)
13986 }
13987 >>
13988 }
13989 }
13990 \tl_if_empty:NF\g_mix_usrlabel_tl{
13991 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13992 }
13993 \mix_pdfobj:nnn{}{dict}{
13994 /Type/RichMediaConfiguration
13995 /Subtype/\g_mix_mainassetsub_tl
13996 /Instances~[\mix_pdflastobj:]
13997 }
13998 \mix_pdfobj:nnn{}{dict}{
13999 /Type/RichMediaContent
14000 /Assets~<</Names~[\g_mix_assets_tl]>>
14001 /Configurations~[\mix_pdflastobj:]
14002 \bool_if:nT{
14003 \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14004 }{
14005 /Views~[\l_mix_iiidviewarray_tl]
14006 }
14007 }
14008 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14009 \bool_if:nT{
14010 \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{0oscillating}
14011 }{
14012 \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14013 }
14014 %determine floating window size

```



```

14015 \bool_if:NT\g_mix_opt_windowed_bool{
14016 \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14017 }
14018 \mix_pdfobj:nnn{}{dict}{
14019 /Activation~<<
14020 /Condition\g_mix_act_tl
14021 \bool_if:nT{
14022 \g_mix_iiid_bool &&
14023 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14024 }{%seems to work only with 3D content
14025 /Animation~<<
14026 /Subtype/\g_mix_playtpe_tl
14027 /PlayCount~\g_mix_playcnt_tl
14028 /Speed~\g_mix_playspd_tl
14029 >>
14030 }
14031 \bool_if:nT{
14032 \g_mix_iiid_bool && (
14033 \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14034 )
14035 }{/View~\l_mix_dfltview_tl}
14036 /Presentation~<<
14037 /Transparent~\g_mix_transp_tl
14038 \bool_if:NTF\g_mix_opt_windowed_bool{
14039 /Style/Windowed
14040 /Window~<<
14041 /Width~<</Default~\tl_mix_fltd>>
14042 /Height~<</Default~\tl_mix_fltht>>
14043 /Position~<<
14044 /HOffset~0/VOffset~0
14045 \str_case_x:nnF{\g_mix_winpos_tl}{
14046 {tl}{/VAlign/Near/HAlign/Near}
14047 {cl}{/VAlign/Center/HAlign/Near}
14048 {bl}{/VAlign/Far/HAlign/Near}
14049 {bc}{/VAlign/Far/HAlign/Center}
14050 {br}{/VAlign/Far/HAlign/Far}
14051 {cr}{/VAlign/Center/HAlign/Far}
14052 {tr}{/VAlign/Near/HAlign/Far}
14053 {tc}{/VAlign/Near/HAlign/Center}
14054 }{/HAlign/Center/VAlign/Center}
14055 >>
14056 >>
14057 }{
14058 /Style/Embedded
14059 }
14060 \bool_if:NTF\g_mix_iiid_bool{
14061 /Toolbar~\g_mix_tools_tl
14062 /NavigationPane~\g_mix_nav_tl
14063 }{
14064 /PassContextClick~\g_mix_contextclick_tl

```



```

14065     }
14066     >>
14067     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14068     >>
14069     /Deactivation~<</Condition\g_mix_deact_tl>>
14070   }
14071   \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14072   \tl_if_empty:NF\g_mix_usrlabel_tl{
14073     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14074   }
14075   % #1:width, #2:height, #3:depth, #4:content (key-value)
14076   \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14077     /Subtype/RichMedia
14078     /F~4
14079     /BS~<</W~0/S/S>>
14080     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14081     /NM~(\g_mix_label_tl)
14082     /AP~<</N~\g_mix_appearance_tl>>
14083     /RichMediaSettings~\l_mix_settings_tl
14084     /RichMediaContent~\l_mix_content_tl
14085   }
14086   \tl_if_empty:NF\g_mix_usrlabel_tl{
14087     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14088     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14089       \noexpand\the\g@mix@page@int}
14090   }
14091   \mix_pdfobj:nnn{}{dict}{
14092     /S/JavaScript/JS~(
14093       try{
14094         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14095         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14096           annotRM['\g_mix_label_tl']=
14097             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14098         }
14099         \str_if_eq:x:nnF{\g_mix_usrpbtn_tl}{none}{
14100           if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14101             var~ocgs=this.getOCGs(this.pageNum);
14102             for(var~i=0;i<ocgs.length;i++){
14103               if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14104                 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14105               }
14106             }
14107           }
14108           if(
14109             !annotRM['\g_mix_label_tl'].activated&&(
14110               app.viewerType=='Reader' ||
14111               app.viewerType=='Exchange' ||
14112               app.viewerType=='Exchange-Pro'
14113             )&&app.viewerVersion>=9
14114           ){

```



```

14115         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14116     }
14117 }
14118 }catch(e){}
14119 this.dirty=false;
14120 )
14121 }
14122 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14123   /Subtype/Widget
14124   /FT/Btn/Ff~65537/F~2
14125   /BS~<</W~0>>
14126   /T~(fd@\g_mix_label_tl)
14127   /AA~<</P0~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14128 }
14129 \mix_appendtofields:n{\mix_pdflastann:}
14130 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14131 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14132   \hbox_to_wd:nn{\g_mix_wd_tl}{
14133     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14134   }
14135 }{%insert play button overlay
14136   \mix_insert_btnocg: %create OCG
14137   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14138   \group_begin:
14139   \cs_if_exist:NT\textdir{\textdir TLT}
14140   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14141   \box_move_down:nn{\g_mix_dp_tl}{
14142     \hbox_to_wd:nn{\g_mix_wd_tl}{
14143       \vbox_to_ht:nn{\g_mix_tt_tl}{
14144         \vss
14145         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14146         \box_use:N\l_mix_pbtn_box
14147         \ocgbase_oc_emc:
14148       }
14149     }
14150   }
14151   \group_end:
14152 }
14153 \int_gincr:N\g_mix_rmcnt_int
14154 }
14155 \mix_endLTR:
14156 \group_end:
14157 }
14158 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14159 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14160
14161 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14162   \mix_urien:
14163   \group_begin:
14164   \mix_beginLTR:

```



```

14165 \leavevmode
14166 %reset various variables
14167 \tl_gclear:N\g_mix_overbtn_tl
14168 \tl_gclear:N\g_mix_downbtn_tl
14169 \tl_gclear:N\g_mix_btnactions_tl
14170 \tl_gclear:N\g_mix_tooltip_tl
14171 %process options
14172 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14173 \mix_uribegin: %treat URI characters correctly
14174 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14175 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14176 \mix_uriend:
14177 %normal button appearance
14178 %\hbox_set:Nn\l_mix_poster_box{#2}
14179 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14180 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14181 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14182 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14183 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14184   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14185     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14186   \mix_pdfxform:n{\l_mix_poster_box}
14187   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14188   %insert widget annotation
14189   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14190     /Subtype/Widget
14191     /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
14192     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14193     /FT/Btn/Ff~65536
14194     \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
14195     /AP~<<
14196     /N~\g_mix_normalbtn_tl
14197     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14198     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14199     >>
14200     /MK~<<
14201     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14202     /I~\g_mix_normalbtn_tl
14203     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14204     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14205     >>
14206     /A~<<
14207     /S/JavaScript/JS~(app.focusRect=false;)
14208     %sequence of actions to perform
14209     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14210     >>
14211   }
14212   \mix_appendtofields:n{\mix_pdflastann:}
14213   \hbox_to_wd:nn{\width}{
14214     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss

```



```

14215     }
14216     \int_gincr:N\g_mix_mbtncnt_int
14217   }
14218   \mix_endLTR:
14219   \group_end:
14220 }
14221
14222 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14223 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14224
14225

```

81 File memoir-xetex-bidi.def

```

14226 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeLaTeX]
14227 \renewcommand{\keepthetitle}{%
14228   \@bsmtitleempty
14229   \global\let\thanks\relax
14230   \global\let\LTRthanks\relax
14231   \global\let\RTLthanks\relax
14232   \global\let\and\relax
14233   \global\let\andnext\relax
14234   \global\let\@thanks\@empty
14235   \global\let\@title\@empty
14236   \global\let\@author\@empty
14237   \global\let\@date\@empty}
14238 \renewcommand{\maketitle}{\par
14239   \begingroup
14240     \@bsmarkseries
14241     \def\@makefnmark{\@textsuperscript{%
14242       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14243     \long\def\@makefntext##1{\makethanksmark ##1}
14244     \if@twocolumn
14245       \ifnum \col@number=\@ne
14246         \@maketitle
14247       \else
14248         \twocolumn[\@maketitle]%
14249       \fi
14250     \else
14251       \ifdim\pagetotal>\z@
14252         \newpage
14253       \fi
14254       \global\@topnum\z@
14255       \@maketitle
14256     \fi
14257     \thispagestyle{title}\@thanks
14258   \endgroup
14259   \@bscontmark % \setcounter{footnote}{0}%
14260 }
14261 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}

```



```

14262 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14263 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14264 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14265 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14266 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14267 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14268 \renewcommand*{\thesubsection}{\%
14269 \thesection\@SepMark\@arabic\c@subsection}
14270 \renewcommand*{\thesubsubsection}{\%
14271 \thesubsection\@SepMark\@arabic\c@subsubsection}
14272 \renewcommand*{\theparagraph}{\%
14273 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14274 \renewcommand*{\thesubparagraph}{\%
14275 \theparagraph\@SepMark\@arabic\c@subparagraph}
14276 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14277 \renewcommand{\theequation}{\%
14278 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14279 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14280 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14281 \ifartopt
14282 \chapterstyle{article}
14283 \counterwithout{figure}{chapter}
14284 \counterwithout{table}{chapter}
14285 \counterwithout{footnote}{chapter}
14286 \counterwithout{equation}{chapter}
14287 \renewcommand{\chaptername}{\%
14288 \renewcommand{\maketitlehookb}{\%
14289 \vskip -1.5\topsep\vskip -1.5\partopsep}
14290 \renewcommand{\maketitlehookc}{\%
14291 \vskip -1.5\topsep\vskip -1.5\partopsep}
14292 \fi
14293 \long\def\@makecaption#1#2{\let\@memtempa\relax
14294 \ifdim\prevdepth>-99\p@ \vskip\abovcaptionskip
14295 \else \def\@memtempa{\vbox to\topskip{}}\fi
14296 \let\@contfnote\footnote \renewcommand{\footnote}[2][{}]{
14297 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
14298 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14299 \let\footnote\@contfnote
14300 \let\footnotemark\@contfmark
14301 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14302 \if@contcw
14303 \centering
14304 \parbox{\@contcwidth}{\%
14305 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14306 \fi
14307 \ifdim\wd\@tempboxa<\linewidth
14308 \@contpre
14309 {\@contnfont #1\@contdelim}\@memtempa
14310 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14311 \else

```



```

14312 \if@conthang
14313 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14314 \@contpre%
14315 {\@contcstyle\hangindent=\wd\@tempboxa
14316 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14317 \else
14318 \if@contindent
14319 \@contpre%
14320 {\@contnfont #1\@contdelim}\@memtempa
14321 {\@contcstyle\hangindent=\@contindw
14322 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14323 \else
14324 \@contpre%
14325 {\@contnfont #1\@contdelim}\@memtempa
14326 {\@contcstyle \@conttfont #2\@contfinal\par}
14327 \fi
14328 \fi
14329 \fi
14330 \@contpost
14331 \if@contcw
14332 \par
14333 } % end of the \parbox
14334 \fi
14335 \vskip\belowcaptionskip}
14336 \ifpackageloaded{caption}{%
14337 \AtBeginPackage{caption}{
14338 \ClassWarningNoLine{memoir}{%
14339 You are using the caption package with the memoir \MessageBreak
14340 class. This may cause unexpected or inconsistent \MessageBreak
14341 results if you use any of memoir's captioning facilities}
14342
14343 \long\def\@makecaption##1##2{%
14344 \vskip\abovecaptionskip
14345 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14346 \ifdim \wd\@tempboxa >\hsize
14347 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14348 \else
14349 \global \@minipagefalse
14350 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14351 \fi
14352 \vskip\belowcaptionskip}
14353
14354 \def\caption{%
14355 \ifx\@capytype\@undefined
14356 \latex@error{\noexpand\caption outside float}\@ehd
14357 \expandafter\@gobble
14358 \else
14359 \refstepcounter\@capytype
14360 \expandafter\@firstofone
14361 \fi

```




```

14362   {\@dblarg{\@caption\@capttype}}%
14363 }
14364
14365 \long\def\@caption##1[##2]##3{%
14366   \par
14367   \addcontentsline{\csname ext@##1\endcsname}{##1}%
14368   {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14369   \begingroup
14370     \@parboxrestore
14371     \if@minipage
14372       \setminipage
14373     \fi
14374     \normalsize
14375     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14376   \endgroup}
14377 }}{}
14378 \renewenvironment{thebibliography}[1]{%
14379   \bibsection
14380   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14381   \bidi@thebibliography@font@hook%
14382   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

82 File midfloat-xetex-bidi.def

```

14383 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14384 \def\RTL@outputdblcol{%
14385   \if@firstcolumn
14386     \global \@firstcolumnfalse
14387     \global\setbox\@leftcolumn\copy\@outputbox
14388     \splitmaxdepth\maxdimen
14389     \vbadness\maxdimen
14390     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14391     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14392     \toks@\expandafter{\topmark}%
14393     \xdef\@firstcoltopmark{\the\toks@}%
14394     \toks@\expandafter{\splitfirstmark}%
14395     \xdef\@firstcolfirstmark{\the\toks@}%
14396     \ifx\@firstcolfirstmark\@empty
14397       \global\let\@setmarks\relax
14398     \else
14399       \gdef\@setmarks{%
14400         \let\firstmark\@firstcolfirstmark
14401         \let\topmark\@firstcoltopmark}%
14402     \fi
14403     \global\c@colht\@colht\global\c@addvipersep\z@
14404     \ifnum\jua@sk>0
14405       \remove@strip\jua@sar
14406       \global\@colht\the\jua@pr
14407       \ifdim\right@cor>\z@
14408         \global\advance\@colht by\right@cor

```



```

14409         \fi
14410         \global\advance\@colht by\cor@height
14411         \global\cor@height=0pt
14412     \fi
14413     \global \setbox\@rightcolumn \vbox{%
14414 \else
14415     \ifdim\c@colht>\@colht
14416         \@tempdima\@colht
14417         \ifdim\@colht>\z@
14418             \global\setbox\@rightcolumn \vbox{%
14419                 \unvbox\@rightcolumn
14420                 \vbox to\@tempdima{%
14421                     \vskip\c@addvipersep\unvbox\@outputbox}%
14422                 \vskip\stripsep
14423                 \vrule height\the\juo@ht width Opt depth Opt
14424                 \vskip\stripsep
14425                 }%
14426             \global\c@addvipersep\m@addvipersep
14427         \else
14428             \global\setbox\@rightcolumn \vbox{%
14429                 \unvbox\@rightcolumn
14430                 \vrule height\the\juo@ht width Opt depth Opt
14431                 \vskip\stripsep
14432                 }%
14433         \fi
14434         \ifnum\juo@sk>0
14435             \remove@strip\juo@sar
14436             \global\@colht\the\juo@pr
14437             \global\advance\@colht by -\ht\@rightcolumn
14438             \global\advance\@colht by\cor@height
14439             \global\cor@height=0pt
14440         \else
14441             \global\advance\c@colht by-\ht\@rightcolumn
14442             \global\@colht\c@colht
14443         \fi
14444     \else
14445     \global\@firstcolumntrue
14446     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14447         \unvbox\@rightcolumn
14448         \vskip\c@addvipersep
14449         \unvbox\@outputbox
14450         }%
14451     \setbox\@outputbox \vbox {%
14452         \hb@xt@\textwidth {%
14453             \hskip \columnwidth
14454             \hfil
14455             \vrule \@width\columnseprule
14456             \hfil
14457             \hb@xt@\columnwidth {%
14458                 \bidi@firstcolumn@status@write%

```



```

14459             \box\@leftcolumn \hss}%
14460             \hskip-\textwidth
14461             \hb@xt@\columnwidth {%
14462                 \bidi@lastcolumn@status@write%
14463                 \box\@outputbox \hss}%
14464             \hskip\columnwidth
14465             \hskip\columnsep}%
14466         }%
14467     \@combinedblfloats
14468     \@setmarks
14469     \@outputpage
14470     \begingroup
14471         \@dblfloatplacement
14472         \@startdblcolumn
14473         \@whiles\if@fcolmade \fi
14474         {\@outputpage
14475         \@startdblcolumn}%
14476     \endgroup
14477     \global\jua@sk=0\global\jua@sar={}
14478     \global\cor@height\z@\global\c@advvipersep\z@
14479     \fi
14480 \fi
14481 }
14482
14483
14484 \def\LTR@outputdblcol{%
14485     \if@firstcolumn
14486         \global \@firstcolumnfalse
14487         \global\setbox\@leftcolumn\copy\@outputbox
14488         \splitmaxdepth\maxdimen
14489         \vbadness\maxdimen
14490         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14491         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14492         \toks@\expandafter{\topmark}%
14493         \xdef\@firstcoltopmark{\the\toks@}%
14494         \toks@\expandafter{\splitfirstmark}%
14495         \xdef\@firstcolfirstmark{\the\toks@}%
14496         \ifx\@firstcolfirstmark\@empty
14497             \global\let\@setmarks\relax
14498         \else
14499             \gdef\@setmarks{%
14500                 \let\firstmark\@firstcolfirstmark
14501                 \let\topmark\@firstcoltopmark}%
14502         \fi
14503         \global\c@colht\@colht\global\c@advvipersep\z@
14504         \ifnum\jua@sk>0
14505             \remove@strip\jua@sar
14506             \global\@colht\the\jua@pr
14507             \ifdim\right@cor>\z@
14508                 \global\advance\@colht by\right@cor

```



```

14509         \fi
14510         \global\advance\@colht by\cor@height
14511         \global\cor@height=0pt
14512     \fi
14513     \global \setbox\@rightcolumn \vbox{%
14514 \else
14515     \ifdim\c@colht>\@colht
14516         \@tempdima\@colht
14517         \ifdim\@colht>\z@
14518             \global\setbox\@rightcolumn \vbox{%
14519                 \unvbox\@rightcolumn
14520                 \vbox to\@tempdima{%
14521                     \vskip\c@addvipersep\unvbox\@outputbox}%
14522                 \vskip\stripsep
14523                 \vrule height\the\juo@ht width 0pt depth 0pt
14524                 \vskip\stripsep
14525             }%
14526             \global\c@addvipersep\m@addvipersep
14527         \else
14528             \global\setbox\@rightcolumn \vbox{%
14529                 \unvbox\@rightcolumn
14530                 \vrule height\the\juo@ht width 0pt depth 0pt
14531                 \vskip\stripsep
14532             }%
14533         \fi
14534         \ifnum\juo@sk>0
14535             \remove@strip\juo@sar
14536             \global\@colht\the\juo@pr
14537             \global\advance\@colht by -\ht\@rightcolumn
14538             \global\advance\@colht by\cor@height
14539             \global\cor@height=0pt
14540         \else
14541             \global\advance\c@colht by-\ht\@rightcolumn
14542             \global\@colht\c@colht
14543         \fi
14544     \else
14545         \global\@firstcolumntrue
14546         \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14547             \unvbox\@rightcolumn
14548             \vskip\c@addvipersep
14549             \unvbox\@outputbox
14550             }%
14551         \setbox\@outputbox \vbox {%
14552             \hb@xt@\textwidth {%
14553                 \hb@xt@\columnwidth {%
14554                     \bidi@firstcolumn@status@write%
14555                     \box\@leftcolumn \hss}%
14556                 \hfil
14557                 \vrule \@width\columnseprule
14558                 \hfil

```



```

14559             \hb@xt@\columnwidth {%
14560                 \bidi@lastcolumn@status@write%
14561                 \box\@outputbox \hss}%
14562                 }%
14563             }%
14564     \@combinedblfloats
14565     \@setmarks
14566     \@outputpage
14567     \beginngroup
14568         \@dblfloatplacement
14569         \@startdblcolumn
14570         \@whiles\if@fcolmade \fi
14571         {\@outputpage
14572          \startdblcolumn}%
14573     \endgroup
14574     \global\jua@sk=0\global\jua@sar={}%
14575     \global\cor@height\z@\global\c@addvipersep\z@
14576     \fi
14577 \fi
14578 }
14579
14580
14581 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14582   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14583     \hsize\textwidth
14584     \@parboxrestore
14585     \col@number \@ne
14586     \vrule height\topskip width0pt depth0pt
14587 }
14588
14589 \def\endstrip{%
14590     \egroup\egroup
14591     \if@firstcolumn
14592         \ifdim\pagetotal>\z@
14593             \vskip\stripsep
14594             \global\ht@strip\pagegoal
14595             \global\advance\ht@strip by-\pagetotal
14596             \global\advance\ht@strip by-\stripsep
14597             \global\advance\ht@strip by-\ht\@viper
14598             \global\advance\ht@strip by-\stripsep
14599             \global\jua@ht=\ht\@viper
14600         \else
14601             \global\ht@strip\z@
14602         \fi
14603         \ifdim\ht@strip>\z@
14604             \unvbox\@viper
14605             \vskip\stripsep
14606             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14607             \global\advance\jua@sk by1
14608         \else

```



```

14609             \@latex@error{Strip needs more place!}\@ehc
14610             \if@vihproof
14611               \framebox[\columnwidth]{??? Strip ???}%
14612             \fi
14613           \fi
14614         \else
14615           \@latex@error{Strip is used only on left column!}\@ehc
14616           \if@vihproof
14617             \framebox[\columnwidth]{??? Strip ???}%
14618           \fi
14619         \fi
14620 }

```

83 File minitoc-xetex-bidi.def

```

14621 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14622 \def\@undottedtocline#1#2#3#4#5{%
14623   \ifnum #1>\c@tocdepth\relax \else
14624     \vskip \z@ plus.2\p@
14625     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14626     \parindent #2\relax\@afterindenttrue
14627     \interlinepenalty\@M
14628     \leavevmode
14629     \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
14630     \hskip -\if@RTL\rightskip\else\leftskip\fi
14631     #4\nobreak\hfill \nobreak
14632     \null\par}%
14633   \fi}
14634 \def\@Undottedtocline#1#2#3#4#5{%
14635   \ifnum #1>\c@tocdepth\relax \else
14636     \vskip \z@ \@plus.2\p@
14637     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14638     \parindent #2\relax\@afterindenttrue
14639     \interlinepenalty\@M
14640     \leavevmode
14641     \@tempdima #3\relax
14642     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14643     {\coffefont #4}\nobreak \nobreak\null
14644     \par}%
14645   \fi}
14646 \def\@Undottedtoclinep#1#2#3#4#5{%
14647   \ifnum #1>\c@tocdepth\relax \else
14648     \vskip \z@ \@plus.2\p@
14649     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14650     \parindent #2\relax\@afterindenttrue
14651     \interlinepenalty\@M
14652     \leavevmode
14653     \@tempdima #3\relax
14654     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14655     {#4}\nobreak \hfill \nobreak\null

```



```

14656     \hb@xt@{\@pnumwidth{\hfil\normalfont \normalcolor #5}}}%
14657     \par}%
14658 \fi}

```

84 File multicol-xetex-bidi.def

```

14659 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14660 \def\page@sofar{%
14661   \process@cols\mult@rightbox
14662   {\ifvoid\count@
14663     \setbox\count@\hbox to\hsize{}}%
14664   \else
14665     \wd\count@\hsize
14666   \fi}%
14667 \count@\col@number \advance\count@\m@ne
14668 \mult@info\z@
14669 {Column spec: \the\full@width\space = indent
14670               + columns + sep =\MessageBreak
14671               \the\multicol@leftmargin\space
14672               + \the\col@number\space
14673               x \the\hsize\space
14674               + \the\count@\space
14675               x \the\columnsep
14676   }%
14677 \ifvmode\else\errmessage{Multicol Error}\fi
14678 \nointerlineskip
14679 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14680 \moveright\multicol@leftmargin
14681 \hbox to\full@width{%
14682   \bidi@multicol@align@columns
14683   \rlap{\phantom p}%
14684 }%
14685 \prevdepth\z@
14686 \kern-\dimen\tw@
14687 \ifdim\dimen\tw@ > \mc@gridwarn
14688   \PackageWarning{multicol}%
14689     {Very deep columns!\MessageBreak
14690     Grid alignment might be broken}%
14691 \fi
14692 }
14693 \def\LTR@column@boxes{%
14694   \process@cols\mult@gfirstbox{%
14695     \ifdim\dp\count@>\dimen\tw@
14696       \global\dimen\tw@\dp\count@ \fi
14697     \mc@col@status@write
14698     \box\count@
14699     \hss{\columnseprulecolor\vrule
14700           \@width\columnseprule}\hss}%
14701   \ifdim\dp\mult@rightbox>\dimen\tw@
14702     \global\dimen\tw@\dp\mult@rightbox \fi

```



```

14703 \mc@lastcol@status@write
14704 \box\mult@rightbox
14705 }
14706
14707 \def\RTL@column@boxes{%
14708 \ifnum\col@number<\tw@
14709 \LTR@column@boxes
14710 \else
14711 \process@cols\mult@gfirstbox{%
14712 \hskip\hsize
14713 \hss{\columnseprulecolor\vrule
14714 \@width\columnseprule}\hss
14715 }%
14716 \hskip\hsize
14717 \process@cols\mult@gfirstbox{%
14718 \ifdim\dp\count@>\dimen\tw@
14719 \global\dimen\tw@\dp\count@ \fi
14720 \hskip-\hsize
14721 \mc@col@status@write
14722 \box\count@
14723 \hskip-\hsize
14724 \hskip-\columnsep
14725 }%
14726 \ifdim\dp\mult@rightbox>\dimen\tw@
14727 \global\dimen\tw@\dp\mult@rightbox \fi
14728 \hskip-\hsize
14729 \mc@lastcol@status@write
14730 \box\mult@rightbox
14731 \hskip-\hsize
14732 \hskip\full@width
14733 \fi
14734 }
14735 \newcommand\RTLmulticolcolumns
14736 {\let\bidimulticol@align@columns
14737 \RTL@column@boxes}
14738 \newcommand\LTRmulticolcolumns
14739 {\let\bidimulticol@align@columns
14740 \LTR@column@boxes}
14741 \newcommand\bidimulticol@align@columns
14742 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14743 \def\multicols#1{\col@number#1\relax
14744 \ifnum\col@number<\tw@
14745 \PackageWarning{multicol}%
14746 {Using `number\col@number'
14747 columns doesn't seem a good idea.^J
14748 I therefore use two columns instead}%
14749 \col@number\tw@ \fi
14750 \ifnum\col@number>10
14751 \PackageError{multicol}%
14752 {Too many columns}%

```




```

14753 {Current implementation doesn't
14754 support more than 10 columns.%
14755 \MessageBreak
14756 I therefore use 10 columns instead}%
14757 \col@number10 \fi
14758 \ifx\@footnotetext\mult@footnotetext\else
14759 \let\orig@footnotetext\@footnotetext
14760 \let\@footnotetext\mult@footnotetext
14761 \fi
14762 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14763 \let\orig@LTRfootnotetext\@LTRfootnotetext
14764 \let\@LTRfootnotetext\mult@LTRfootnotetext
14765 \fi
14766 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14767 \let\orig@RTLfootnotetext\@RTLfootnotetext
14768 \let\@RTLfootnotetext\mult@RTLfootnotetext
14769 \fi
14770 \@ifnextchar[\mult@cols{\mult@cols[]}]
14771 \long\def\mult@footnotetext#1{\begingroup
14772 \hsize\textwidth
14773 \columnwidth\textwidth
14774 \orig@footnotetext{#1}\endgroup}
14775 \long\def\mult@LTRfootnotetext#1{\begingroup
14776 \hsize\textwidth
14777 \columnwidth\textwidth
14778 \orig@LTRfootnotetext{#1}\endgroup}
14779 \long\def\mult@RTLfootnotetext#1{\begingroup
14780 \hsize\textwidth
14781 \columnwidth\textwidth
14782 \orig@RTLfootnotetext{#1}\endgroup}
14783 \def\right@footnoterule{%
14784 \kern-3\p@
14785 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14786 \kern2.6\p@}
14787 \def\textwidth@footnoterule{\kern-3\p@
14788 \hrule \@width \textwidth \kern 2.6\p@}

```

85 File multienum-xetex-bidi.def

```

14789 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14790 \renewcommand{\itemx}[1]{\parbox[t]{%
14791 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14792 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14793 \renewcommand{\itemxx}[2]{\parbox[t]{%
14794 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14795 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14796 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14797 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
14798 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14799 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%

```



```

14800 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
14801 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14802 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
14803 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14804 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14805 \renewcommand{\itemxxxx}[4]{\parbox[t]%
14806 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14807 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
14808 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14809 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14810 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14811 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14812 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14813 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14814 \renewcommand{\itemxxxx}[5]{\parbox[t]%
14815 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14816 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
14817 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14818 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
14819 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14820 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
14821 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14822 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
14823 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14824 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
14825 \renewcommand{\itemxox}[2]{\parbox[t]%
14826 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14827 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14828 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14829 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14830 \renewcommand{\itemxox}[2]{\parbox[t]%
14831 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14832 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14833 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14834 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14835 \renewcommand{\itemxox}[3]{\parbox[t]%
14836 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14837 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14838 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14839 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14840 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14841 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14842 \renewcommand{\itemxox}[3]{\parbox[t]%
14843 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14844 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14845 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14846 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
14847 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14848 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14849 \renewcommand{\itemxxxx}[3]{\parbox[t]%

```



```

14850 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14851 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14852 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14853 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14854 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14855 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

86 File natbib-xetex-bidi.def

```

14856 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
14857 \renewenvironment{thebibliography}[1]{%
14858   \bibsection
14859   \parindent\z@
14860   \bibpreamble
14861   \bibfont
14862   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14863   \bidi@thebibliography@font@hook%
14864   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14865   \ifNAT@openbib
14866     \renewcommand\newblock{\par}%
14867   \else
14868     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14869   \fi
14870   \sloppy\clubpenalty4000\widowpenalty4000
14871   \sfcode`\.\@m
14872   \let\NAT@bibitem@first@sw\@firstoftwo
14873     \let\citeN\cite \let\shortcite\cite
14874     \let\citeasnoun\cite
14875 }{%
14876   \bibitem@fin
14877   \bibpostamble
14878   \def\@noitemerr{%
14879     \PackageWarning{natbib}{Empty `thebibliography' environment}%
14880   }%
14881   \endlist
14882   \bibcleanup
14883 }%

```

87 File newfloat-xetex-bidi.def

```

14884 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for X
14885 \renewcommand*\newfloat@setwithin[2]{%
14886   \ifcsname c@chapter\endcsname
14887     \@removefromreset{#1}{chapter}%
14888   \fi
14889   \@removefromreset{#1}{section}%
14890   \edef\@tempa{#2}%
14891   \ifx\@tempa\@empty
14892     \def\@tempa{none}%
14893   \fi

```



```

14894 \def\@tempb{none}%
14895 \ifx\@tempa\@tempb
14896 \ifcsname c@chapter\endcsname
14897 \chapterlistsgap@off{#1}%
14898 \fi
14899 \newfloat@@setwithin{#1}{}{}%
14900 \else
14901 \def\@tempb{chapter}%
14902 \ifx\@tempa\@tempb
14903 \@addtoreset{#1}{chapter}%
14904 \chapterlistsgap@on{#1}%
14905 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14906 \else
14907 \def\@tempb{section}%
14908 \ifx\@tempa\@tempb
14909 \@addtoreset{#1}{section}%
14910 \ifcsname c@chapter\endcsname
14911 \@addtoreset{#1}{chapter}%
14912 \chapterlistsgap@on{#1}%
14913 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14914 \else
14915 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14916 \fi
14917 \else
14918 \newfloat@Error{Invalid value `#2' for option `within'}%
14919 \fi
14920 \fi
14921 \fi}

```

88 File ntheorem-xetex-bidi.def

```

14922 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14923 \gdef\@thm#1#2#3{%
14924 \if@thmmarks
14925 \stepcounter{end\InTheoType ctr}%
14926 \fi
14927 \renewcommand{\InTheoType}{#1}%
14928 \if@thmmarks
14929 \stepcounter{curr#1ctr}%
14930 \setcounter{end#1ctr}{0}%
14931 \fi
14932 \refstepcounter{#2}%
14933 \theorem@prework
14934 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14935 \ifvmode \advance\thm@topsepadd\partopsep\fi
14936 \trivlist
14937 \@topsep \theorempreskipamount
14938 \@topsepadd \thm@topsepadd % used by \@endparenv
14939 \advance\linewidth -\theorem@indent
14940 \advance\@totalleftmargin \theorem@indent

```



```

14941 \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14942 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File ntheorem-hyper-xetex-bidi.def

```

14943 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14944 \gdef\@thm#1#2#3{%
14945   \if@thmmarks
14946     \stepcounter{end\InTheoType ctr}%
14947   \fi
14948   \renewcommand{\InTheoType}{#1}%
14949   \if@thmmarks
14950     \stepcounter{curr#1ctr}%
14951     \setcounter{end#1ctr}{0}%
14952   \fi
14953   \refstepcounter{#2}%
14954   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14955   \ifvmode \advance\thm@topsepadd\partopsep\fi
14956   \trivlist
14957   \@topsep \theorempreskipamount
14958   \@topsepadd \thm@topsepadd % used by \@endparenv
14959   \advance\linewidth -\theoremindent
14960   \advance\@totalleftmargin \theoremindent
14961   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14962   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File overpic-xetex-bidi.def

```

14963 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package fo
14964 \renewenvironment{overpic}[2][\]{%
14965   \sbox{\z@}{\includegraphics[#1]{#2}}%
14966   \settodepth{\@tempcnta}{\usebox{\z@}}%
14967   \settoheight{\@tempcntb}{\usebox{\z@}}%
14968   \advance\@tempcntb\@tempcnta%
14969   \settowidth{\@tempcnta}{\usebox{\z@}}%
14970   \setlength{\@tempdima}{\unitlength}%
14971   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14972 %
14973   \OVP@calc%
14974 %
14975   \begin{picture}(\@tempcnta,\@tempcntb)%
14976     \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14977     \ifGin@grid%
14978       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14979         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14980     \fi\fi%
14981     % reset the graphics parameter
14982     \let\Gin@outer@scalex\relax
14983     \let\Gin@outer@scaley\relax
14984     \let\Gin@angle\relax

```



```

14985 \let\Gin@ewidth\Gin@exclamation
14986 \let\Gin@eheight\Gin@ewidth
14987 \def\Gin@scalex{1}
14988 \let\Gin@scaley\Gin@exclamation
14989 }{%
14990 \if@RTL\ifGin@grid%
14991 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14992 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14993 \fi%
14994 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14995 \end{picture}%
14996 }%

```

91 File pdfbase-xetex-bidi.def

```

14997 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14998 \ExplSyntaxOn
14999 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15000 \cs_set_nopar:Npn\@outputpage{
15001 \int_gincr:N\g_pbs_page_int
15002 \iow_now:Nx\@mainaux{
15003 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15004 }
15005 \box_if_vertical:cTF{\@outputbox}{
15006 \bool_set_true:N\l_pbs_is_vertical_bool
15007 }{
15008 \bool_set_false:N\l_pbs_is_vertical_bool
15009 }
15010 \hbox_set:Nn\@outputbox{
15011 %begin of page
15012 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15013 \box_use_clear:N\@outputbox
15014 %end of page
15015 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15016 %end of dvi
15017 \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
15018 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
15019 }
15020 }
15021 \bool_if:NT\l_pbs_is_vertical_bool{
15022 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15023 }
15024 %insert /Properties into current page's resources
15025 \pbs_insert_properties_entry:
15026 \pbs_outputpage_orig:
15027 }
15028 \ExplSyntaxOff

```

92 File pdfpages-xetex-bidi.def



```

15029 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15030 \renewcommand*{\includepdf}[2][{}]{%
15031   \begingroup
15032   \RTLfalse
15033   \let\AM@threadname\relax
15034   \AM@split@options{pdfpages}{#1}%
15035   \edef\AM@temp{\{pdfpages\}\the\@temptokena}%
15036   \expandafter\setkeys\AM@temp
15037   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15038     \let\AM@currentdocname\relax
15039     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15040     \def\AM@pagecount{0}%
15041   }{%
15042     \AM@findfile{#2}%
15043     \if\AM@threadname\relax
15044       \def\AM@threadname{\AM@currentdocname}%
15045     \fi
15046   }%
15047   \ifAM@survey
15048     \def\AM@pagestemp{}%
15049     \@tempcnta=0
15050     \def\foo{%
15051       \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15052         {\let\foo\relax}
15053       {\expandafter\ifx\expandafter\\AM@pagestemp\\
15054         \edef\AM@pagestemp{%
15055           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15056         \else
15057           \edef\AM@pagestemp{\AM@pagestemp,%
15058             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15059         \fi
15060         \advance\@tempcnta 1\relax
15061       }%
15062     \foo
15063   }%
15064   \foo
15065   \expandafter\ifx\expandafter\\AM@pagestemp\\
15066     \def\AM@pagestemp{1}%
15067   \fi
15068 \fi
15069 \ifAM@output
15070   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15071   \AM@output{#1}%
15072 \fi
15073 \AM@CheckAtEnd
15074 \endgroup
15075 \AM@ClearShipoutPicture
15076 }

```



93 File pgfcorescopes.code-xetex-bidi.def

```

15077 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15078 \def\pgfpicture{%
15079   \begingroup%
15080   \ifmmode\else\@RTLfalse\beginL\fi%
15081   \pgfpicturetrue%
15082   \global\advance\pgf@picture@serial@count by1\relax%
15083   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
15084   \let\pgf@nodecallback=\pgfutil@gobble%
15085   \pgf@picmaxx=-16000pt\relax%
15086   \pgf@picminx=16000pt\relax%
15087   \pgf@picmaxy=-16000pt\relax%
15088   \pgf@picminy=16000pt\relax%
15089   \pgf@relevantforpicturesizetrue%
15090   \pgf@resetpathsizes%
15091   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15092 \def\endpgfpicture{%
15093   \ifpgfrememberpicturepositiononpage%
15094     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15095   \fi%
15096   % ok, now let's position the box
15097   \ifdim\pgf@picmaxx=-16000pt\relax%
15098     % empty picture. make size 0.
15099     \global\pgf@picmaxx=0pt\relax%
15100     \global\pgf@picminx=0pt\relax%
15101     \global\pgf@picmaxy=0pt\relax%
15102     \global\pgf@picminy=0pt\relax%
15103   \fi%
15104   % Shift baseline outside:
15105   \pgf@relevantforpicturesizefalse%
15106   \pgf@process{\pgf@baseline}%
15107   \xdef\pgf@shift@baseline{\the\pgf@y}%
15108   %
15109   \pgf@process{\pgf@trimleft}%
15110   \global\advance\pgf@x by-\pgf@picminx
15111   % prepare \hskip\pgf@trimleft@final.
15112   % note that \pgf@trimleft@final is also queried
15113   % by the pgf image externalization.
15114   \xdef\pgf@trimleft@final{-\the\pgf@x}%
15115   %
15116   \pgf@process{\pgf@trimright}%
15117   \global\advance\pgf@x by-\pgf@picmaxx
15118   % prepare \hskip\pgf@trimright@final.
15119   % note that \pgf@trimright@final is also queried
15120   % by the pgf image externalization.
15121   \xdef\pgf@trimright@final{\the\pgf@x}%
15122   %
15123   \pgf@remember@layerlist@globally
15124   \endgroup%

```




```

15125         \hss%
15126         \egroup%
15127         \pgf@restore@layerlist@from@global
15128         \pgf@insertlayers%
15129         \endgroup%
15130         \pgfsys@discardpath%
15131         \endgroup%
15132         \pgfsys@endscope%
15133         \pgfsys@endpicture%
15134         \endgroup%
15135         \hss
15136     \egroup%
15137     \pgfsys@typesetpicturebox\pgfpic%
15138     \ifmmode\else\endL\fi%
15139 \endgroup%
15140 }

```

94 File `picinpar-xetex-bidi.def`

```

15141 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15142 \long\def\@makewincaption#1#2{%
15143     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15144     \ifdim\wd\@tempboxa>\picwd
15145         {\footnotesize{\bf #1:\enspace}{#2\par}}
15146     \else
15147         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15148     \fi}
15149 \def\endwindow{%
15150     \global\tcd=\tcdsav
15151     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15152     \vbadness=10000
15153     \splittopskip=0pt
15154 %
15155 % Typeset the lines above the window
15156 %
15157 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15158 \tcn=\tcd
15159 \loop\advance\tcn -1
15160 \setbox\fslice=\vsplit\holder to\baselineskip
15161 \prune\fslice\linewidth
15162 \topheight=0pt
15163 \ifnum\dp\fslice>\dp\wstrutbox
15164     \advance\topheight-\dp\fslice
15165     \advance\topheight\dp\wstrutbox
15166     \advance\topheight\ilg\fi
15167 \hbox to\linewidth{\box\fslice}
15168 \vskip-\topheight
15169 \ifdim\ht\holder>0pt\repeat
15170 \fi
15171 %

```



```

15172 % Now we build the boxes beside the window
15173 %
15174 \global\topheight=\tcl\baselineskip
15175 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15176     \global\topheight=\vpic
15177 \fi
15178 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15179 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15180 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15181 \tcn=\tcl \na=0 \nb=0
15182 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15183 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15184 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15185 \ifnum\na=0\ifnum\nb=0
15186     \setbox\waslice=\vbox to\vpic{\vss}
15187     \setbox\wbslice=\vbox to\vpic{\vss}
15188     \bl=1\br=1
15189     \vskip\ilg
15190 \fi\fi
15191 %
15192 % both sides
15193 %
15194 \ifnum\na>0 \ifnum\nb>0
15195 \loop\advance\nb -1
15196 \advance\na -1
15197 \if@RTL%
15198 \setbox\bslice=\vsplit\holder to\baselineskip
15199 \prune\bslice\rtside
15200 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15201 to\rtside{\box\bslice\hfil}}
15202 \setbox\aslice=\vsplit\holder to\baselineskip
15203 \prune\aslice\lftside
15204 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15205 to\lftside{\box\aslice\hfil}}
15206 \else%
15207 \setbox\aslice=\vsplit\holder to\baselineskip
15208 \prune\aslice\lftside
15209 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15210 to\lftside{\box\aslice\hfil}}
15211 \setbox\bslice=\vsplit\holder to\baselineskip
15212 \prune\bslice\rtside
15213 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15214 to\rtside{\box\bslice\hfil}}
15215 \fi%
15216 \ifnum\nb>0\repeat
15217 \fi\fi
15218 %
15219 % only text on the left side
15220 %
15221 \ifnum\na>0

```



```

15222 \loop\advance\na -1
15223 \setbox\aslice=\vsplit\holder to\baselineskip
15224 \prune\aslice\lftside
15225 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15226 to\lftside{\box\aslice\hfil}}
15227 \ifdim\ht\holder>0pt\repeat
15228 \fi
15229 %
15230 % only text on the right side
15231 %
15232 \ifnum\nb>0
15233 \loop\advance\nb -1
15234 \setbox\bslice=\vsplit\holder to\baselineskip
15235 \prune\bslice\rtside
15236 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15237 to\rtside{\box\bslice\hfil}}
15238 \ifdim\ht\holder>0pt\repeat
15239 \fi
15240 %
15241 % fixing the dimensions of the window part
15242 %
15243 \ifnum\bl=0\topheight=\ht\wbslice
15244 \else\ifnum\br=0\topheight=\ht\waslice
15245 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15246 \else\topheight=\ht\wbslice\fi\fi\fi
15247 %
15248 % ship out the window material to the main vertical list
15249 %
15250 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15251 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15252 \fi\fi\fi
15253 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15254 \ifnum\bl>0\box\waslice\hfill\fi%
15255 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15256 \vfill\unvbox\picbox%
15257 \ifnum\picwd>0\vfill\fi%
15258 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15259 \unvbox>windowbox%
15260 \loop
15261 \setbox\bslice=\vsplit\rawtext to\baselineskip
15262 \prune\bslice\linewidth
15263 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15264 \unvbox\wbslice
15265 \ifdim\ht\rawtext>0pt
15266 \repeat
15267 }% FINITO

```

95 File plain-xetex-bidi.def

```

15268 \def\TeXeTOn{\TeXeTstate=1 }

```



```

15269 \def\TeXeTOff{\TeXeTstate=0 }
15270 \TeXeTOn
15271 \def\usebox#1{\leavevmode\copy #1\relax}
15272 \def\bidirectional@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15273   \let\bidirectional@everypar=\everypar
15274   \newtoks\bidirectional@everypar
15275   \bidirectional@everypar\expandafter{\the\bidirectional@everypar}
15276   \bidirectional@everypar{\bidirectional@everypar\the\bidirectional@everypar}
15277   \let\everypar=\bidirectional@everypar
15278 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15279 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15280 \protected\def\hboxR{\hbox\bgroup
15281   \everyhbox{%
15282     \aftergroup\egroup
15283     \everyhbox{}}%
15284   \beginR
15285   \@hboxRconstructtrue
15286   \bgroup
15287   \aftergroup\endR
15288   \aftergroup\egroup
15289 } \hbox}
15290 \protected\def\hboxL{\hbox\bgroup
15291   \everyhbox{%
15292     \aftergroup\egroup
15293     \everyhbox{}}%
15294   \beginL
15295   \@hboxRconstructfalse
15296   \bgroup
15297   \aftergroup\endL
15298   \aftergroup\egroup
15299 } \hbox}
15300 \protected\def\vboxR{\vbox\bgroup
15301   \everyvbox{%
15302     \aftergroup\egroup
15303     \everyvbox{}}%
15304   \@RTLtrue
15305   \bgroup
15306   \aftergroup\egroup
15307 } \vbox}
15308 \protected\def\vboxL{\vbox\bgroup
15309   \everyvbox{%
15310     \aftergroup\egroup
15311     \everyvbox{}}%
15312   \@RTLfalse
15313   \bgroup
15314   \aftergroup\egroup
15315 } \vbox}
15316 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15317 \def\endLTR{\par}
15318 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}

```



```

15319 \def\endRTL{\par}
15320 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15321 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15322 \let\unsetRTL=\setLTR
15323 \let\unsetLTR=\setRTL
15324 \let\LR=\LRE
15325 \let\RL=\RLE
15326 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15327 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15328 \let\@ensure@RL=\@ensure@RTL
15329 \let\@ensure@LR=\@ensure@LTR
15330 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15331 \let\@ensure@maindir=\@ensure@dir
15332 \def\@RTL{RTL}
15333 \def\@LTR{LTR}
15334 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15335 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
15336 \let\@TeX\TeX
15337 \def\TeX{\@ensure@LTR{\@TeX}}
15338 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
15339 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15340 \ifvoid\footins\else % footnote info is present
15341 \vskip\skip\footins
15342 \footnoterule
15343 \unvbox\footins\fi
15344 \ifrggedbottom \kern-\dimen@ \vfil \fi
15345 \ifvoid\@bidi@copyins@
15346 \else
15347 \vskip\skip\@bidi@copyins@
15348 \unvbox\@bidi@copyins@
15349 \fi
15350 }
15351 \long\def\bidi@reflect@box#1{%
15352 \leavevmode
15353 \setbox\z@\hbox{#1}%
15354 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15355 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15356 }
15357 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15358 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15359 \let\setRL=\setRTL
15360 \let\setLR=\setLTR
15361 \let\unsetRL=\setLTR
15362 \let\bidi@samed@eqno=\eqno
15363 \let\bidi@samed@leqno=\leqno
15364 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
15365 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
15366 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15367 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15368 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```



96 File pstricks-xetex-bidi.def

```

15369 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15370 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15371 \def\endpspicture{%
15372   \ifshowgrid\ifnum\showgridp>0
15373     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15374   \pst@killglue
15375 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15376   \endgroup
15377   \egroup
15378   \ifdim\wd\pst@hbox=\z@ \else
15379     %\@pstrickserr{Extraneous space in the pspicture environment}%
15380     %\Type \space <return> \space to proceed.}%
15381   \fi
15382   \ht\pst@hbox=\pst@dimd
15383   \dp\pst@hbox=-\pst@dimb
15384   \setbox\pst@hbox=\hbox{%
15385     \kern-\pst@dimd
15386 %   Orig version -----
15387 %   \ifx\pst@tempa\@empty\else
15388 %   \advance\pst@dimd-\pst@dimb
15389 %   \pst@dimd=\pst@tempa\pst@dimd
15390 %   \advance\pst@dimd\pst@dimb
15391 %   \lower\pst@dimd
15392 %   \fi
15393 %   ----- end Orig
15394   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15395   \advance\pst@dimd-\pst@dimb
15396   \pst@dimd=0.5\pst@dimd
15397   \else\pst@dimd-\pst@shift\fi
15398   \advance\pst@dimd\pst@dimb
15399   \lower\pst@dimd
15400   \box\pst@hbox
15401   \kern\pst@dimc}%
15402   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15403   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15404   \fboxsep=0pt
15405   \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15406   \ifmmode\else\endL\fi
15407   \endgroup%
15408   \psset[pstricks]{shift=0}% reset value
15409 }

```

97 File quotchap-xetex-bidi.def

```

15410 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15411 \renewcommand{\qauthor}[1]{%
15412   \par\smallskip
15413   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}

```



```

15414 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15415   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15416     {\chapnumfont
15417       \ifnum \c@secnumdepth >\m@ne%
15418       \if@mainmatter\thechapter%
15419       \fi\fi
15420       \par\nobreak}%
15421     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10pt}
15422     \nobreak\chapterheadendvskip}}
15423 \renewcommand*{\@iprintcites}{%
15424   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15425   \global\let\@printcites\relax}

```

98 File ragged2e-xetex-bidi.def

```

15426 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15427 \renewcommand{\Centering}{%
15428   \ifx\\ \@raggedtwoe@savedcr
15429     \let\\ \@centercr
15430   \fi
15431   \let\@gnewline\@raggedtwoe@gnewline
15432   \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
15433   \@rightskip\CenteringRightskip
15434   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15435   \parfillskip\CenteringParfillskip
15436   \parindent\CenteringParindent
15437   \@raggedtwoe@spaceskiptrue
15438   \@raggedtwoe@everyselectfont
15439 }
15440 \renewcommand{\RaggedLeft}{%
15441   \ifx\\ \@raggedtwoe@savedcr
15442     \let\\ \@centercr
15443   \fi
15444   \let\@gnewline\@raggedtwoe@gnewline
15445   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedLeftLeftskip
15446   \@rightskip\RaggedLeftRightskip
15447   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15448   \parfillskip\RaggedLeftParfillskip
15449   \parindent\RaggedLeftParindent
15450   \@raggedtwoe@spaceskiptrue
15451   \@raggedtwoe@everyselectfont
15452 }
15453 \renewcommand{\RaggedRight}{%
15454   \ifx\\ \@raggedtwoe@savedcr
15455     \let\\ \@centercr
15456   \fi
15457   \let\@gnewline\@raggedtwoe@gnewline
15458   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedRightLeftskip
15459   \@rightskip\RaggedRightRightskip
15460   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip

```



```

15461 \parfillskip\RaggedRightParfillskip
15462 \parindent\RaggedRightParindent
15463 \@raggedtwoe@spaceskiptrue
15464 \@raggedtwoe@everyselectfont
15465 }
15466 \renewcommand{\justifying}{%
15467 \let\\@raggedtwoe@savedcr
15468 \let\@gnewline\@raggedtwoe@saved@gnewline
15469 \if@RTL\rightright\else\leftskip\fi\z@
15470 \@rightskip\z@
15471 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15472 \parfillskip\JustifyingParfillskip
15473 \parindent\JustifyingParindent
15474 \@raggedtwoe@spaceskipfalse
15475 \@raggedtwoe@everyselectfont
15476 }
15477 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
15478 \CheckCommand*{\@arrayparboxrestore}{%
15479 \let\if@nobreak\iffalse
15480 \let\if@noskipsec\iffalse
15481 \let\par\@par
15482 \let\-\@dischph
15483 \let'\@acci\let'\@accii\let\=\@acciii
15484 \parindent\z@ \parskip\z@skip
15485 \everypar{}%
15486 \linewidth\hsize
15487 \@totalleftmargin\z@
15488 \if@RTL\rightright\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
15489 \parfillskip\@flushglue \lineskip\normallineskip
15490 \baselineskip\normalbaselineskip
15491 \sloppy}%
15492 \renewcommand{\@arrayparboxrestore}{%
15493 \let\if@nobreak\iffalse
15494 \let\if@noskipsec\iffalse
15495 \let\par\@par
15496 \let\-\@dischph
15497 \let'\@acci\let'\@accii\let\=\@acciii
15498 \parskip\z@skip
15499 \everypar{}%
15500 \linewidth\hsize
15501 \@totalleftmargin\z@
15502 \RaggedRight
15503 \lineskip\normallineskip
15504 \baselineskip\normalbaselineskip
15505 \sloppy}%
15506 \let\@raggedtwoe@raggedrightboxes@opt\relax
15507 }
15508 \let\origin@RaggedLeft=\RaggedLeft
15509 \let\origin@RaggedRight=\RaggedRight
15510 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}

```




```
15511 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}
```

99 File rapport1-xetex-bidi.def

```
15512 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15513 \renewenvironment{theindex}{%
15514   \if@twocolumn
15515     \@restonecolfalse
15516   \else
15517     \@restonecoltrue
15518   \fi
15519   \columnseprule \z@
15520   \columnsep 35\p@
15521   \twocolumn[\@makeschapterhead{\indexname}]{%
15522     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15523     \thispagestyle{plain}\parindent\z@
15524     \parskip\z@ \@plus .3\p@\relax
15525     \let\item\@idxitem
15526   }{%
15527     \if@restonecol\onecolumn\else\clearpage\fi}
15528 \renewcommand*{\head@style}{%
15529   \interlinepenalty \@M
15530   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15531   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15532 \if@titlepage
15533   \renewenvironment{abstract}{%
15534     \titlepage
15535     \null\vfil
15536     \section*{\SectFont\abstractname}%
15537     \noindent\ignorespaces}
15538   {\par\vfil\null\endtitlepage}
15539 \else
15540   \renewenvironment{abstract}{%
15541     \if@twocolumn
15542       \section*{\abstractname}%
15543     \else
15544       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15545       \section*{\small\SectFont\abstractname}%
15546       \noindent\ignorespaces
15547     \fi}
15548   {\if@twocolumn\else\par\egroup\fi}
15549 \fi
15550 \renewcommand*{\@regtocline}[3]{%
15551   \ifnum #1>\c@tocdepth
15552   \else
15553     \vskip\z@ \@plus .2\p@
15554     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15555     \if@RTL\rightskip\else\leftskip\fi=\unitindent
15556     \if@RTL\leftskip\else\rightskip\fi=\unitindent\@plus 1fil
15557     \parfillskip\z@}
```



```

15558 \@tempdima\unitindent
15559 \parindent\z@
15560 \leavevmode
15561 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15562 \hskip 1em \nobreak{\slshape #3}\par
15563 }%
15564 \fi}
15565 \if@oldtoc
15566 \renewcommand*\l@part[2]{%
15567 \ifnum \c@tocdepth >-2\relax
15568 \addpenalty{-\@highpenalty}%
15569 \addvspace{2.25em \@plus\p@}%
15570 \begingroup
15571 \setlength\@tempdima{3em}%
15572 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15573 \parfillskip -\@pnumwidth
15574 {\leavevmode
15575 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15576 \nobreak
15577 \global\@nobreaktrue
15578 \everypar{\global\@nobreakfalse\everypar{}}}%
15579 \endgroup
15580 \fi}
15581 \else
15582 \renewcommand*\l@part{%
15583 \ifnum \c@tocdepth >-2\relax
15584 \addpenalty{-\@highpenalty}%
15585 \addvspace{2.25em \@plus\p@}%
15586 \@regtocline{0}%
15587 \fi}
15588 \fi
15589 \if@oldtoc
15590 \renewcommand*\l@chapter[2]{%
15591 \addpenalty{-\@highpenalty}%
15592 \vskip 1.0em \@plus\p@
15593 \setlength\@tempdima{1.5em}%
15594 \begingroup
15595 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15596 \parfillskip -\@pnumwidth
15597 \leavevmode \bfseries
15598 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
15599 \hskip -\if@RTL\righskip\else\leftskip\fi
15600 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15601 \penalty\@highpenalty
15602 \endgroup}
15603 \else
15604 \renewcommand*\l@chapter{\@regtocline{0}}
15605 \fi
15606 \renewcommand*\left@footnoterule{%
15607 \kern-3\p@

```



```

15608 \kern.5\baselineskip
15609 \hrule\@width\unitindent
15610 \kern.4\baselineskip
15611 }
15612 \renewcommand*\right@footnoterule{%
15613 \kern-3\p@
15614 \kern.5\baselineskip
15615 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15616 \kern.4\baselineskip}
15617 \renewenvironment{thebibliography}[1]
15618 {
15619 \chapter*\bibname}%
15620 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15621 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
15622 \bidi@thebibliography@font@hook%
15623 \list{\@biblabel{\@arabic\c@enumiv}}%
15624 {\settowidth\labelwidth{\@biblabel{#1}}%
15625 \leftmargin\labelwidth
15626 \advance\leftmargin\labelsep
15627 \openbib@code
15628 \usecounter{enumiv}%
15629 \let\p@enumiv\@empty
15630 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15631 \sloppy\clubpenalty4000\widowpenalty4000%
15632 \sfcode\.\@m}
15633 {\def\@noitemerr
15634 {\@latex@warning{Empty `thebibliography' environment}}}%
15635 \endlist}
15636 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15637 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15638 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15639 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15640 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15641 \renewcommand*\theequation{%
15642 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15643 \renewcommand*\thefigure{%
15644 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
15645 \renewcommand*\thetable{%
15646 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
15647 \if@titlepage
15648 \renewcommand*\TitleFont{\rmfamily}
15649 \renewcommand*\maketitle{%
15650 \begin{titlepage}%
15651 \let\footnotesize\small
15652 \let\right@footnoterule\relax
15653 \let\left@footnoterule\relax
15654 \let\textwidth\footnoterule\relax
15655 \let\footnote\thanks
15656 \long\def\@makefnmark##1{\parindent\z@
15657 \def\labelitemi{\textendash}\@revlabeltrue
\leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

15658 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15659 \if@compatibility\setcounter{page}{0}\fi
15660 \null\vfil
15661 \vskip 60\p@
15662 \begin{center}%
15663 \TitleFont
15664 {\LARGE \def\{\penalty -\@M}
15665 \if@allcaps
15666 \expandafter\uc@nothanks\@title\thanks\relax
15667 \else
15668 \@title
15669 \fi\par}%
15670 \vskip 3em%
15671 {\large
15672 \lineskip .75em \parindent\z@
15673 \begin{tabular}[t]{c}%
15674 \if@allcaps
15675 \expandafter\uc@authornothanks\@author\and\relax
15676 \else
15677 \@author
15678 \fi
15679 \end{tabular}\par}%
15680 \vskip 1.5em%
15681 {\large
15682 \if@allcaps
15683 \uppercase\expandafter{\@date}%
15684 \else
15685 \@date
15686 \fi\par}%
15687 \end{center}\par
15688 \@thanks
15689 \vfil\null
15690 \end{titlepage}%
15691 \setcounter{footnote}{0}%
15692 \global\let\thanks\relax
15693 \global\let\maketitle\relax
15694 \global\let\@thanks\@empty
15695 \global\let\@author\@empty
15696 \global\let\@title\@empty
15697 \global\let\@date\@empty
15698 \global\let\title\relax
15699 \global\let\author\relax
15700 \global\let\date\relax
15701 \global\let\and\relax
15702 }
15703 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15704 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15705 \futurelet\@tempa\uc@ax}
15706 \def\uc@ax{%
15707 \ifx\@tempa\relax

```



```

15708 \else
15709     \ \ \andname \ \ \expandafter\uc@authornothanks
15710 \fi}
15711 \def\uc@tx{\ifx\@tempa\relax
15712     \else \expandafter\uc@ty \fi}
15713 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15714 \else
15715 \renewcommand*\maketitle{\par
15716 \begin{group}
15717 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15718 \def\@makefnmark{\rlap{%
15719     \@textsuperscript{\normalfont\@thefnmark}}}%
15720 \long\def\@makefnmark{\@xmakefnmark}%
15721 \@textsuperscript{\normalfont\@thefnmark}}}%
15722 \if@twocolumn
15723     \ifnum \col@number=\@ne
15724         \@maketitle
15725     \else
15726         \twocolumn[\@maketitle]%
15727     \fi
15728 \else
15729     \newpage
15730     \global\@topnum\z@
15731     \@maketitle
15732 \fi
15733 \thispagestyle{plain}\@thanks
15734 \end{group}
15735 \setcounter{footnote}{0}%
15736 \global\let\thanks\relax
15737 \global\let\maketitle\relax
15738 \global\let\@maketitle\relax
15739 \global\let\@thanks\@empty
15740 \global\let\@author\@empty
15741 \global\let\@title\@empty
15742 \global\let\@date\@empty
15743 \global\let\title\relax
15744 \global\let\author\relax
15745 \global\let\date\relax
15746 \global\let\and\relax
15747 }
15748 \def\@maketitle{%
15749 \newpage
15750 \null
15751 \vskip 2em%
15752 \begin{center}%
15753     \let \footnote \thanks
15754     {\LARGE \TitleFont \@title \par}%
15755     \vskip 1.5em%
15756     {\large \TitleFont
15757         \lineskip .5em%

```



```

15758     \begin{tabular}[t]{c}%
15759         \@author
15760     \end{tabular}\par}%
15761     \vskip 1em%
15762     {\large \TitleFont \@date}%
15763 \end{center}%
15764 \par
15765 \vskip 1.5em}
15766 \fi

```

100 File rapport3-xetex-bidi.def

```

15767 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15768 \renewenvironment{theindex}{%
15769     \if@twocolumn
15770         \@restonecolfalse
15771     \else
15772         \@restonecoltrue
15773     \fi
15774     \columnseprule \z@
15775     \columnsep 35\p@
15776     \twocolumn[\@makeschapterhead{\indexname}]%
15777     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15778     \thispagestyle{plain}\parindent\z@
15779     \parskip\z@ \@plus .3\p@\relax
15780     \let\item\@idxitem
15781     }{%
15782     \if@restonecol\onecolumn\else\clearpage\fi}
15783 \if@titlepage
15784 \renewcommand*\TitleFont{\rmfamily}
15785 \renewcommand*\maketitle{%
15786     \begin{titlepage}%
15787         \let\footnotesize\small
15788         \let\right@footnoterule\relax
15789         \let\left@footnoterule\relax
15790         \let\textwidth@footnoterule\relax
15791         \let \footnote \thanks
15792         \let \LTRfootnote \LTRthanks
15793         \let \RTLfootnote \RTLthanks
15794         \long\def\@makefntext##1{\parindent\z@
15795             \def\labelitemi{\textendash}\@revlabeltrue
15796             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15797     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15798     \if@compatibility\setcounter{page}{0}\fi
15799     \null\vfil
15800     \vskip 60\p@
15801     \begin{center}%
15802         \TitleFont
15803         {\LARGE \def\\{\penalty -\@M}
15804         \if@allcaps

```



```

15805         \expandafter\uc@nothanks \@title\thanks\relax
15806     \else
15807         \@title
15808     \fi\par}%
15809     \vskip 3em%
15810     {\large
15811     \lineskip .75em \parindent\z@
15812     \begin{tabular}[t]{c}%
15813         \if@allcaps
15814             \expandafter\uc@authornothanks \@author\and\relax
15815         \else
15816             \@author
15817         \fi
15818     \end{tabular}\par}%
15819     \vskip 1.5em%
15820     {\large
15821     \if@allcaps
15822         \uppercase\expandafter{\@date}%
15823     \else
15824         \@date
15825     \fi\par}%
15826     \end{center}\par
15827     \@thanks
15828     \vfil\null
15829 \end{titlepage}%
15830 \setcounter{footnote}{0}%
15831 \global\let\thanks\relax
15832 \global\let\LTRthanks\relax
15833 \global\let\RTLthanks\relax
15834 \global\let\maketitle\relax
15835 \global\let\@thanks\@empty
15836 \global\let\@author\@empty
15837 \global\let\@title\@empty
15838 \global\let\@date\@empty
15839 \global\let\title\relax
15840 \global\let\author\relax
15841 \global\let\date\relax
15842 \global\let\and\relax
15843 }
15844 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15845 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15846     \futurelet\@tempa\uc@ax}
15847 \def\uc@ax{%
15848     \ifx\@tempa\relax
15849     \else
15850         \ \ \andname \ \ \expandafter\uc@authornothanks
15851     \fi}
15852 \def\uc@tx{\ifx\@tempa\relax
15853     \else \expandafter\uc@ty \fi}
15854 \def\uc@ty#1{\thanks{#1}\uc@nothanks}

```



```

15855 \else
15856 \renewcommand*\maketitle{\par
15857   \begingroup
15858     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15859     \def\@makefnmark{\rlap{%
15860       \@textsuperscript{\normalfont\@thefnmark}}}%
15861     \long\def\@makefnmark{\@xmakefnmark{%
15862       \@textsuperscript{\normalfont\@thefnmark}}}%
15863     \if@twocolumn
15864       \ifnum \col@number=\@ne
15865         \@maketitle
15866       \else
15867         \twocolumn[\@maketitle]%
15868       \fi
15869     \else
15870       \newpage
15871       \global\@topnum\z@
15872       \@maketitle
15873     \fi
15874     \thispagestyle{plain}\@thanks
15875   \endgroup
15876   \setcounter{footnote}{0}%
15877   \global\let\thanks\relax
15878   \global\let\LTRthanks\relax
15879   \global\let\RTLthanks\relax
15880   \global\let\maketitle\relax
15881   \global\let\@maketitle\relax
15882   \global\let\@thanks\@empty
15883   \global\let\@author\@empty
15884   \global\let\@title\@empty
15885   \global\let\@date\@empty
15886   \global\let\title\relax
15887   \global\let\author\relax
15888   \global\let\date\relax
15889   \global\let\and\relax
15890 }
15891 \def\@maketitle{%
15892   \newpage
15893   \null
15894   \vskip 2em%
15895   \if@titlecentered
15896     \begin{center}%
15897       \let \footnote \thanks
15898       \let \LTRfootnote \LTRthanks
15899       \let \RTLfootnote \RTLthanks
15900       {\LARGE \TitleFont \@title \par}%
15901       \vskip 1.5em%
15902       {\large \TitleFont
15903         \lineskip .5em%
15904         \begin{tabular}[t]{c}%

```




```

15905         \@author
15906         \end{tabular}\par}%
15907         \vskip 1em%
15908         {\large \TitleFont \@date}%
15909     \end{center}%
15910 \else
15911     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
15912     {\large \TitleFont \lineskip .5em \tabcolsep\z@
15913         \def\and{%% \begin{tabular} has already started
15914             \end{tabular}\hskip 1em plus .17fil
15915             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15916             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15917     \vskip 1em {\large \TitleFont \@date}
15918 \fi
15919 \par
15920 \vskip 1.5em}
15921 \fi
15922 \renewcommand*\@regtocline[3]{%
15923     \ifnum #1>\c@tocdepth
15924     \else
15925         \vskip\z@\@plus.2\p@
15926         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15927             \if@RTL\righskip\else\leftskip\fi\unitindent
15928             \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15929             \parfillskip\z@
15930             \@tempdima\unitindent
15931             \parindent\z@
15932             \leavevmode
15933             \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15934             \hskip 1em \nobreak{\slshape #3}\par
15935         }%
15936     \fi}
15937 \if@oldtoc
15938 \renewcommand*\l@part[2]{%
15939     \ifnum \c@tocdepth >-2\relax
15940         \addpenalty{-\@highpenalty}%
15941         \addvspace{2.25em \@plus\p@}%
15942         \begingroup
15943             \setlength\@tempdima{3em}%
15944             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15945             \parfillskip -\@pnumwidth
15946             {\leavevmode
15947                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15948             \nobreak
15949             \global\@nobreaktrue
15950             \everypar{\global\@nobreakfalse\everypar{}}%
15951         \endgroup
15952     \fi}
15953 \else
15954     \renewcommand*\l@part{%

```



```

15955 \ifnum \c@tocdepth >-2\relax
15956 \addpenalty{-\@highpenalty}%
15957 \addvspace{2.25em \@plus \p@}%
15958 \@regtocline{0}%
15959 \fi}
15960 \fi
15961 \if@oldtoc
15962 \renewcommand*\l@chapter[2]{%
15963 \addpenalty{-\@highpenalty}%
15964 \vskip 1.0em \@plus\p@
15965 \setlength\@tempdima{1.5em}%
15966 \begingroup
15967 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15968 \parfillskip -\@pnumwidth
15969 \leavevmode \bfseries
15970 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15971 \hskip -\if@RTL\rightskip\else\leftskip\fi
15972 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15973 \penalty\@highpenalty
15974 \endgroup}
15975 \else
15976 \renewcommand*\l@chapter{\@regtocline{0}}
15977 \fi
15978 \renewcommand*\head@style{%
15979 \interlinepenalty \@M
15980 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15981 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15982 \if@titlepage
15983 \renewenvironment{abstract}{%
15984 \titlepage
15985 \null\vfil
15986 \section*{\SectFont\abstractname}%
15987 \noindent\ignorespaces}
15988 {\par\vfil\null\endtitlepage}
15989 \else
15990 \renewenvironment{abstract}{%
15991 \if@twocolumn
15992 \section*{\abstractname}%
15993 \else
15994 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15995 \section*{\small\SectFont\abstractname}%
15996 \noindent\ignorespaces
15997 \fi}
15998 {\if@twocolumn\else\par\egroup\fi}
15999 \fi
16000 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16001 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16002 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16003 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16004 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

16005 \renewcommand*\thefigure{%
16006   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16007 \renewcommand*\thetable{%
16008   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16009 \renewcommand*\theequation{%
16010   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
16011 \renewenvironment{thebibliography}[1]
16012   {\chapter*{\bibname}%
16013    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16014    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16015    \bidi@thebibliography@font@hook%
16016    \list{\@biblabel{\@arabic\c@enumiv}}%
16017      {\settowidth\labelwidth{\@biblabel{#1}}%
16018       \leftmargin\labelwidth
16019       \advance\leftmargin\labelsep
16020       \@openbib@code
16021       \usecounter{enumiv}%
16022       \let\p@enumiv\@empty
16023       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16024     \sloppy\clubpenalty4000\widowpenalty4000%
16025     \sfcode`\.\@m}
16026   {\def\@noitemerr
16027     {\@latex@warning{Empty `thebibliography' environment}}%
16028    \endlist}
16029 \renewcommand*\left@footnoterule{%
16030   \kern-3\p@
16031   \kern.5\baselineskip
16032   \hrule\@width\unitindent
16033   \kern.4\baselineskip
16034 }
16035 \renewcommand*\right@footnoterule{%
16036   \kern-3\p@
16037   \kern.5\baselineskip
16038   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16039   \kern.4\baselineskip}
16040 \renewcommand*\head@style{%
16041   \interlinepenalty \@M
16042   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16043   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

101 File refrep-xetex-bidi.def

```

16044 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for XeLaTeX]
16045 \if@titlepage
16046   \renewcommand\maketitle{\begin{titlepage}%
16047     \let\footnotesize\small
16048     \let\right@footnoterule\relax
16049     \let\left@footnoterule\relax
16050     \let\textwidth\footnoterule\relax
16051     \let\footnote\thanks

```



```

16052 \let\LTRfootnote\LTRthanks
16053 \let\RTLfootnote\RTLthanks
16054 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16055 \def\@makefnmark%
16056   {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16057 \long\def\@makefntext##1{%
16058   \setpar{\@par
16059     \tempdima = \hsize
16060     \advance\tempdima -1em
16061     \parshape \one 1em \tempdima}%
16062   \par\parindent 1em \noindent
16063   \hbext@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16064 \null\vfil
16065 \vskip 60\p@
16066 \begin{center}%
16067   {\LARGE \@title \par}%
16068   \vskip 3em%
16069   {\large
16070     \lineskip .75em%
16071     \begin{tabular}[t]{c}%
16072       \@author
16073     \end{tabular}\par}%
16074   \vskip 1.5em%
16075   {\large \@date \par}%           % Set date in \large size.
16076 \end{center}\par
16077 \@thanks
16078 \vfil\null
16079 \end{titlepage}%
16080 \setcounter{footnote}{0}%
16081 \global\let\thanks\relax
16082 \global\let\LTRthanks\relax
16083 \global\let\RTLthanks\relax
16084 \global\let\maketitle\relax
16085 \global\let\@thanks\@empty
16086 \global\let\@author\@empty
16087 \global\let\@date\@empty
16088 \global\let\@title\@empty
16089 \global\let\title\relax
16090 \global\let\author\relax
16091 \global\let\date\relax
16092 \global\let\and\relax
16093 }
16094 \else
16095 \renewcommand\maketitle{\par
16096   \begingroup
16097     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16098     \def\@makefnmark%
16099       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16100     \long\def\@makefntext##1{%
16101       \setpar{\@par

```



```

16102         \@tempdima = \hsize
16103         \advance\@tempdima -1em
16104         \parshape \@ne 1em \@tempdima}%
16105     \par\parindent 1em \noindent
16106     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16107 \if@twocolumn
16108     \ifnum \col@number=\@ne
16109         \@maketitle
16110     \else
16111         \twocolumn[\@maketitle]%
16112     \fi
16113 \else
16114     \newpage
16115     \global\@topnum\z@    % Prevents figures from going at top of page.
16116     \@maketitle
16117 \fi
16118 \thispagestyle{empty}\@thanks
16119 \endgroup
16120 \setcounter{footnote}{0}%
16121 \global\let\thanks\relax
16122 \global\let\LTRthanks\relax
16123 \global\let\RTLthanks\relax
16124 \global\let\maketitle\relax
16125 \global\let\@maketitle\relax
16126 \global\let\@thanks\@empty
16127 \global\let\@author\@empty
16128 \global\let\@date\@empty
16129 \global\let\@title\@empty
16130 \global\let\title\relax
16131 \global\let\author\relax
16132 \global\let\date\relax
16133 \global\let\and\relax
16134 }
16135 \def\@maketitle{%
16136     \newpage
16137     \null
16138     \longthickrule\vskip1.5em%
16139     \let \footnote \thanks
16140     \let \LTRfootnote \LTRthanks
16141     \let \RTLfootnote \RTLthanks
16142     {\secshape \parskip\z@ \parindent\z@
16143     \Large\bfseries \@title \par}%
16144     \vskip1.5em\longthickrule\vskip1.5em%
16145     {\normalsize
16146         \lineskip .5em%
16147         \begin{flushright}%
16148             {\slshape\@author\par}
16149             \vskip 1em%
16150             {\@date}%
16151         \end{flushright}\par}%

```



```

16152 \vskip 1.5em}
16153 \fi
16154 \renewcommand*\l@part[2]{%
16155 \ifnum \c@tocdepth >-2\relax
16156 \addpenalty{-\@highpenalty}%
16157 \addvspace{2.25em \@plus\p@}%
16158 \begingroup
16159 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16160 \parfillskip -\@pnumwidth
16161 {\leavevmode
16162 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16163 \nobreak
16164 \global\@nobreaktrue
16165 \everypar{\global\@nobreakfalse\everypar{}}%
16166 \endgroup
16167 \fi}
16168 \renewcommand*\l@chapter[2]{%
16169 \ifnum \c@tocdepth >\m@ne
16170 \addpenalty{-\@highpenalty}%
16171 \vskip 1.0em \@plus\p@
16172 \setlength\@tempdima{1.5em}%
16173 \begingroup
16174 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16175 \parfillskip -\@pnumwidth
16176 \leavevmode \bfseries
16177 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16178 \hskip -\if@RTL\rightskip\else\leftskip\fi
16179 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16180 \penalty\@highpenalty
16181 \endgroup
16182 \fi}
16183 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16184 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16185 \hyphenpenalty=2000}
16186 \renewcommand\left@footnoterule{%
16187 \kern-3\p@
16188 \hrule\@width.4\columnwidth
16189 \kern 2.6\p@}
16190 \renewcommand\right@footnoterule{%
16191 \kern-3\p@
16192 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16193 \kern2.6\p@}
16194 \renewcommand\theequation
16195 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16196 \renewcommand\thefigure
16197 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16198 \renewcommand\thetable%
16199 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16200 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16201 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

16202 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16203 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16204 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16205 \renewenvironment{thebibliography}[1]
16206     {\chapter*{\bibname
16207         \@mkboth{\bibname}{\bibname}}%
16208         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16209         \bidi@@thebibliography@font@hook%
16210         \list{\@biblabel{\@arabic\c@enumiv}}%
16211             {\settowidth\labelwidth{\@biblabel{#1}}%
16212             \leftmargin\labelwidth
16213             \advance\leftmargin\labelsep
16214             \@openbib@code
16215             \usecounter{enumiv}%
16216             \let\p@enumiv\@empty
16217             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16218             \sloppy
16219             \clubpenalty4000
16220             \@clubpenalty \clubpenalty
16221             \widowpenalty4000%
16222         \sfcode`\.=\@m}
16223 {\def\@noitemerr
16224     {\@latex@warning{Empty `thebibliography' environment}}}%
16225 \endlist}

```

102 File report-xetex-bidi.def

```

16226 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16227 \renewenvironment{theindex}
16228     {\if@twocolumn
16229         \@restonecolfalse
16230         \else
16231             \@restonecoltrue
16232         \fi
16233         \columnseprule \z@
16234         \columnsep 35\p@
16235         \twocolumn[\@makeschapterhead{\indexname}]%
16236         \@mkboth{\MakeUppercase\indexname}%
16237             {\MakeUppercase\indexname}%
16238         \thispagestyle{plain}\parindent\z@
16239         \parskip\z@ \@plus .3\p@\relax
16240         \let\item\@idxitem}
16241     {\if@restonecol\onecolumn\else\clearpage\fi}
16242 \if@titlepage
16243 \renewcommand\maketitle{\begin{titlepage}%
16244 \let\footnotesize\small
16245 \let\right@footnoterule\relax
16246 \let\left@footnoterule\relax
16247 \let\textwidth\footnoterule\relax
16248 \let \footnote \thanks

```



```

16249 \let \LTRfootnote \LTRthanks
16250 \let \RTLfootnote \RTLthanks
16251 \null\vfil
16252 \vskip 60\p@
16253 \begin{center}%
16254   {\LARGE \@title \par}%
16255   \vskip 3em%
16256   {\large
16257     \lineskip .75em%
16258     \begin{tabular}[t]{c}%
16259       \@author
16260     \end{tabular}\par}%
16261     \vskip 1.5em%
16262     {\large \@date \par}%           % Set date in \large size.
16263 \end{center}\par
16264 \@thanks
16265 \vfil\null
16266 \end{titlepage}%
16267 \setcounter{footnote}{0}%
16268 \global\let\thanks\relax
16269 \global\let\LTRthanks\relax
16270 \global\let\RTLthanks\relax
16271 \global\let\maketitle\relax
16272 \global\let\@thanks\@empty
16273 \global\let\@author\@empty
16274 \global\let\@date\@empty
16275 \global\let\@title\@empty
16276 \global\let\title\relax
16277 \global\let\author\relax
16278 \global\let\date\relax
16279 \global\let\and\relax
16280 }
16281 \else
16282 \renewcommand\maketitle{\par
16283   \begingroup
16284     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16285     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16286     \long\def\@makefntext##1{\parindent 1em\noindent
16287       \hb@xt@1.8em{%
16288         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16289     \if@twocolumn
16290       \ifnum \col@number=\@ne
16291         \@maketitle
16292       \else
16293         \twocolumn[\@maketitle]%
16294       \fi
16295     \else
16296       \newpage
16297       \global\@topnum\z@      % Prevents figures from going at top of page.
16298       \@maketitle

```




```

16299 \fi
16300 \thispagestyle{plain}\@thanks
16301 \endgroup
16302 \setcounter{footnote}{0}%
16303 \global\let\thanks\relax
16304 \global\let\LTRthanks\relax
16305 \global\let\RTLthanks\relax
16306 \global\let\maketitle\relax
16307 \global\let\@maketitle\relax
16308 \global\let\@thanks\@empty
16309 \global\let\@author\@empty
16310 \global\let\@date\@empty
16311 \global\let\@title\@empty
16312 \global\let\title\relax
16313 \global\let\author\relax
16314 \global\let\date\relax
16315 \global\let\and\relax
16316 }
16317 \def\@maketitle{%
16318 \newpage
16319 \null
16320 \vskip 2em%
16321 \begin{center}%
16322 \let \footnote \thanks
16323 \let \LTRfootnote \LTRthanks
16324 \let \RTLfootnote \RTLthanks
16325 {\LARGE \@title \par}%
16326 \vskip 1.5em%
16327 {\large
16328 \lineskip .5em%
16329 \begin{tabular}[t]{c}%
16330 \@author
16331 \end{tabular}\par}%
16332 \vskip 1em%
16333 {\large \@date}%
16334 \end{center}%
16335 \par
16336 \vskip 1.5em}
16337 \fi
16338 \renewcommand*\l@part[2]{%
16339 \ifnum \c@tocdepth >-2\relax
16340 \addpenalty{-\@highpenalty}%
16341 \addvspace{2.25em \@plus\p}%
16342 \setlength\@tempdima{3em}%
16343 \begingroup
16344 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
16345 \parfillskip -\@pnumwidth
16346 {\leavevmode
16347 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16348 \nobreak

```



```

16349         \global\@nbreaktrue
16350         \everypar{\global\@nbreakfalse\everypar{}}%
16351     \endgroup
16352 \fi}
16353 \renewcommand*\l@chapter[2]{%
16354     \ifnum \c@tocdepth >\m@ne
16355         \addpenalty{-\@highpenalty}%
16356         \vskip 1.0em \@plus\p@
16357         \setlength\@tempdima{1.5em}%
16358         \begingroup
16359             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16360             \parfillskip -\@pnumwidth
16361             \leavevmode \bfseries
16362             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16363             \hskip -\if@RTL\rightskip\else\leftskip\fi
16364             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16365             \penalty\@highpenalty
16366         \endgroup
16367 \fi}
16368 \renewcommand\left@footnoterule{%
16369     \kern-3\p@
16370     \hrule\@width.4\columnwidth
16371     \kern2.6\p@}
16372 \renewcommand\right@footnoterule{%
16373     \kern-3\p@
16374     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16375     \kern2.6\p@}
16376 \renewcommand\theequation
16377     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16378 \renewcommand \thefigure
16379     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16380 \renewcommand \thetable
16381     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16382 \renewcommand \thechapter {\@arabic\c@chapter}
16383 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16384 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16385 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16386 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
16387 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
16388 \def\@makechapterhead#1{%
16389     \vspace*{50\p@}%
16390     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16391         \ifnum \c@secnumdepth >\m@ne
16392             \huge\bfseries \@chapapp\space \thechapter
16393             \par\nobreak
16394             \vskip 20\p@
16395         \fi
16396         \interlinepenalty\@M
16397         \Huge \bfseries #1\par\nobreak
16398         \vskip 40\p@

```



```

16399 }}
16400 \def\@makeschapterhead#1{%
16401   \vspace*{50\p@}%
16402   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16403     \normalfont
16404     \interlinepenalty\@M
16405     \Huge \bfseries #1\par\nobreak
16406     \vskip 40\p@
16407   }}
16408 \renewenvironment{thebibliography}[1]
16409   {\chapter*{\bibname}%
16410    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16411    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16412    \bidi@thebibliography@font@hook%
16413    \list{\@biblabel{\@arabic\c@enumiv}}%
16414      {\settowidth\labelwidth{\@biblabel{#1}}%
16415       \leftmargin\labelwidth
16416       \advance\leftmargin\labelsep
16417       \@openbib@code
16418       \usecounter{enumiv}%
16419       \let\p@enumiv\@empty
16420       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16421    \sloppy
16422    \clubpenalty4000
16423    \@clubpenalty \clubpenalty
16424    \widowpenalty4000%
16425    \sfcode`\.\@m}
16426 {\def\@noitemerr
16427   {\@latex@warning{Empty `thebibliography' environment}}%
16428 \endlist}

```

103 File rotating-xetex-bidi.def

```

16429 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16430 \def\end@rotfloat{%
16431   \end{minipage}\end{lrbox}%
16432   \stepcounter{r@tfl@t}%
16433   \rot@label{RF\ther@tfl@t}%
16434   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16435   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16436   \rot@mess@toks\expandafter{\@tempa}
16437   \wd\rot@float@box\z@
16438   \ht\rot@float@box\z@
16439   \dp\rot@float@box\z@
16440   \vboxL to \textheight{%
16441     \setkeys{Grot}{units=360}%
16442     \if@rot@twoside
16443       \else
16444         \let\R@@page\rot@LR
16445       \fi

```



```

16446 \ifthenelse{\isodd{\R@@page}}{%
16447 \if@rot@twoside
16448 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16449 \fi
16450 \vfill
16451 \@@line{%
16452 \hskip\rotFPtop
16453 \rotatebox{90}{\box\rot@float@box}%
16454 \hskip\rotFPbot
16455 }%
16456 }{%
16457 \if@rot@twoside
16458 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16459 \fi
16460 \@@line{%
16461 \hskip\rotFPbot
16462 \rotatebox{-90}{\box\rot@float@box}%
16463 \hskip\rotFPtop
16464 }%
16465 \vfill
16466 }%
16467 \rot@message{\the\rot@mess@toks}
16468 }%
16469 \end@float
16470 }
16471 \let\endsidewaysfigure\end@rotfloat
16472 \let\endsidewaysstable\end@rotfloat
16473 \def\end@rotdblfloat{%
16474 \end{minipage}\end{lrbox}%
16475 \stepcounter{r@tfl@t}%
16476 \rot@label{RF\ther@tfl@t}%
16477 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16478 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16479 \rot@mess@toks\expandafter{\@tempa}
16480 \@tempdima\ht\rot@float@box
16481 \advance\@tempdima by \dp\rot@float@box
16482 \wd\rot@float@box\z@
16483 \ht\rot@float@box\z@
16484 \dp\rot@float@box\z@
16485 \vboxL to \textheight{%
16486 \setkeys{Grot}{units=360}%
16487 \if@rot@twoside
16488 \else
16489 \let\R@@page\rot@LR
16490 \fi
16491 \ifthenelse{\isodd{\R@@page}}{%
16492 \ifrot@messages
16493 \if@rot@twoside
16494 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16495 \fi

```



```

16496     \fi
16497     \vfill
16498     \@@line{%
16499         \hskip\rotFPtop
16500         \rotatebox{90}{\box\rot@float@box}%
16501         \hskip\rotFPbot
16502     }%
16503 }{%
16504     \ifrot@messages
16505     \ifrot@twoside
16506     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16507 \fi
16508     \fi%
16509     \@@line{%
16510         \hskip\rotFPbot
16511         \rotatebox{-90}{\box\rot@float@box}%
16512         \hskip\rotFPtop
16513     }%
16514     \vfill
16515 }%
16516     \rot@message{\the\rot@mess@toks}%
16517 }%
16518 \end@dblfloat
16519 }
16520 \def\turn#1{%
16521     \Grot@setangle{#1}%
16522     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16523 \def\endturn{%
16524     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16525     \unskip\color@endbox
16526     \Grot@x\z@
16527     \Grot@y\z@
16528     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16529 }
16530 \def\rotate#1{%
16531     \Grot@setangle{#1}%
16532     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16533 \def\endrotate{%
16534     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16535     \unskip\color@endbox
16536     \Grot@x\z@
16537     \Grot@y\z@
16538     \wd0\z@\dp0\z@\ht0\z@
16539     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16540 }
16541 \def\turnbox#1#2{%
16542     \Grot@setangle{#1}%
16543     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16544     \Grot@x\z@\Grot@y\z@
16545     \wd0\z@\dp0\z@\ht0\z@

```



```

16546 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16547 }
16548 \def\sideways{%
16549 \Grot@setangle{90}%
16550 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16551 \def\endsideways{%
16552 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16553 \unskip\color@endbox
16554 \Grot@x\z@
16555 \Grot@y\z@
16556 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16557 }

```

104 File scrartcl-xetex-bidi.def

```

16558 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16559 \newcommand{\scr@saved@LTRfootnotetext}{}
16560 \newcommand{\scr@saved@RTLfootnotetext}{}
16561 \let\scr@saved@footnotetext\@footnotetext
16562 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16563 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16564 \renewcommand{\@footnotetext}[1]{%
16565 \scr@saved@footnotetext{#1}%
16566 \csname FN@mfp@prepare\endcsname
16567 }
16568 \renewcommand{\@LTRfootnotetext}[1]{%
16569 \scr@saved@LTRfootnotetext{#1}%
16570 \csname FN@mfp@prepare\endcsname
16571 }
16572 \renewcommand{\@RTLfootnotetext}[1]{%
16573 \scr@saved@RTLfootnotetext{#1}%
16574 \csname FN@mfp@prepare\endcsname
16575 }
16576 \renewcommand\deffootnote[4][1]{%
16577 \long\def\@makefnintext##1{%
16578 \setlength{\@tempdimc}{#3}%
16579 \def\@tempa{#1}\ifx\@tempa\@empty
16580 \setpar{\@par
16581 \@tempdima = \hsize
16582 \addtolength{\@tempdima}{-#2}%
16583 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16584 \else
16585 \addtolength{\@tempdimc}{#2}%
16586 \addtolength{\@tempdimc}{-#1}%
16587 \setpar{\@par
16588 \@tempdima = \hsize
16589 \addtolength{\@tempdima}{-#1}%
16590 \@tempdimb = \hsize
16591 \addtolength{\@tempdimb}{-#2}%
16592 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #

```



```

16593     }%
16594     \fi
16595     \par
16596     \parindent\@tempdimc\noindent
16597     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16598 }%
16599 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16600 }
16601 \def\footnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16602 \renewcommand*\left@footnoterule{%
16603   \normalsize\ftn@rule@test@values
16604   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16605   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16606   {\usekomafont{footnoterule}{%
16607     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16608   \kern 2.6\p@}
16609 \renewcommand*\right@footnoterule{%
16610   \normalsize\ftn@rule@test@values
16611   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16612   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16613   {\usekomafont{footnoterule}{%
16614     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16615     \kern 2.6\p@}
16616 \renewcommand*\maketitle[1][1]{%
16617   \if@titlepage
16618     \begin{titlepage}
16619       \setcounter{page}{%
16620         #1%
16621       }%
16622       \let\footnotesize\small
16623       \let\right@footnoterule\relax
16624       \let\left@footnoterule\relax
16625       \let\textwidth@footnoterule\relax
16626       \let\footnote\thanks
16627       \let\LTRfootnote\LTRthanks
16628       \let\RTLfootnote\RTLthanks
16629       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16630       \let\@oldmakefnmark\@makefnmark
16631       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16632       \ifx\@extratitle\@empty \else
16633         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16634         \thispagestyle{empty}%
16635       \fi
16636       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16637       \ifx\@titlehead\@empty \else
16638         \begin{minipage}[t]{\textwidth}%
16639           \@titlehead
16640         \end{minipage}\par
16641       \fi
16642       \null\vfill

```



```

16643 \begin{center}
16644 \ifx\@subject\@empty \else
16645   {\subject@font \@subject \par}%
16646   \vskip 3em
16647 \fi
16648 {\titlefont\huge \@title\par}%
16649 \vskip 1em
16650 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16651 \vskip 2em
16652 {\Large \lineskip 0.75em
16653   \begin{tabular}[t]{c}
16654     \@author
16655   \end{tabular}\par
16656   }%
16657   \vskip 1.5em
16658   {\Large \@date \par}%
16659   \vskip \z@ \@plus3fill
16660   {\Large \@publishers \par}%
16661   \vskip 3em
16662 \end{center}\par
16663 \@thanks
16664 \vfill\null
16665 \if@twoside\next@tpage
16666   \begin{minipage}[t]{\textwidth}
16667     \@uppertitleback
16668   \end{minipage}\par
16669   \vfill
16670   \begin{minipage}[b]{\textwidth}
16671     \@lowertitleback
16672   \end{minipage}
16673 \fi
16674 \ifx\@dedication\@empty \else
16675   \next@tpage\null\vfill
16676   {\centering \Large \@dedication \par}%
16677   \vskip \z@ \@plus3fill
16678   \if@twoside \next@tpage\cleardoubleemptypage \fi
16679 \fi
16680 \end{titlepage}
16681 \else
16682 \par
16683 \@tempcnta=%
16684 #1%
16685 \relax\ifnum\@tempcnta=1\else
16686 \ClassWarning{\KOMAClassName}{%
16687   Optional argument of \string\maketitle\space ignored
16688   at\MessageBreak
16689   notitlepage-mode%
16690 }%
16691 \fi
16692 \begingroup

```




```

16693 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16694 \let\@oldmakefnmark\@makefnmark
16695 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16696 \if@twocolumn
16697 \ifnum \col@number=\@ne
16698 \maketitle
16699 \else
16700 \twocolumn[\maketitle]%
16701 \fi
16702 \else
16703 \newpage
16704 \global\@topnum\z@
16705 \maketitle
16706 \fi
16707 \thispagestyle{\titlepagestyle}\@thanks
16708 \endgroup
16709 \fi
16710 \setcounter{footnote}{0}%
16711 \let\thanks\relax
16712 \let\LTRthanks\relax
16713 \let\RTLthanks\relax
16714 \let\maketitle\relax
16715 \let\@maketitle\relax
16716 \global\let\@thanks\@empty
16717 \global\let\@author\@empty
16718 \global\let\@date\@empty
16719 \global\let\@title\@empty
16720 \global\let\@subtitle\@empty
16721 \global\let\@extratitle\@empty
16722 \global\let\@titlehead\@empty
16723 \global\let\@subject\@empty
16724 \global\let\@publishers\@empty
16725 \global\let\@uppertitleback\@empty
16726 \global\let\@lowertitleback\@empty
16727 \global\let\@dedication\@empty
16728 \global\let\author\relax
16729 \global\let\title\relax
16730 \global\let\extratitle\relax
16731 \global\let\titlehead\relax
16732 \global\let\subject\relax
16733 \global\let\publishers\relax
16734 \global\let\uppertitleback\relax
16735 \global\let\lowertitleback\relax
16736 \global\let\dedication\relax
16737 \global\let\date\relax
16738 \global\let\and\relax
16739 }%
16740 \renewcommand*{\@maketitle}{%
16741 \clearpage
16742 \let\footnote\thanks

```



```

16743 \let\LTRfootnote\LTRthanks
16744 \let\RTLfootnote\RTLthanks
16745 \ifx\@extratitle\@empty \else
16746   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16747 \fi
16748 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16749 \ifx\@titlehead\@empty \else
16750   \begin{minipage}[t]{\textwidth}
16751     \@titlehead
16752   \end{minipage}\par
16753 \fi
16754 \null
16755 \vskip 2em%
16756 \begin{center}%
16757   \ifx\@subject\@empty \else
16758     {\subject@font \@subject \par}
16759     \vskip 1.5em
16760   \fi
16761   {\titlefont\huge \@title \par}%
16762   \vskip .5em
16763   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16764   \vskip 1em
16765   {\Large
16766     \lineskip .5em%
16767     \begin{tabular}[t]{c}
16768       \@author
16769     \end{tabular}\par
16770   }%
16771   \vskip 1em%
16772   {\Large \@date \par}%
16773   \vskip \z@ \@plus 1em
16774   {\Large \@publishers \par}
16775   \ifx\@dedication\@empty \else
16776     \vskip 2em
16777     {\Large \@dedication \par}
16778   \fi
16779 \end{center}%
16780 \par
16781 \vskip 2em
16782 }%
16783 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16784 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16785 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16786 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
16787 \renewcommand*\thesubsubsection{\fi}
16788 \thesubsection\@SepMark\@arabic\c\subsubsection
16789 }
16790 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c\paragraph}
16791 \renewcommand*\thesubparagraph{\fi}
16792 \theparagraph\@SepMark\@arabic\c\subparagraph

```



```

16793 }
16794 \renewenvironment{thebibliography}[1]{%
16795   \if@bib@break@
16796     \bib@beginhook
16797   \else
16798     \bib@heading
16799     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16800       \noindent\bibpreamble\par\nobreak
16801     \fi\fi
16802     \bib@beginhook
16803     \bib@before@hook
16804   \fi
16805   \renewcommand{\BreakBibliography}[1]{%
16806     \@bib@break
16807     \end{thebibliography}%
16808     \begingroup ##1\endgroup
16809     \begin{thebibliography}{#1}
16810   }%
16811   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16812   \bidi@thebibliography@font@hook%
16813   \list{%
16814     \@biblabel{\@arabic\c@enumiv}%
16815   }{%
16816     \settowidth\labelwidth{\@biblabel{#1}}%
16817     \leftmargin\labelwidth
16818     \advance\leftmargin\labelsep
16819     \@openbib@code
16820     \if@bib@break@
16821       \edef\@tempa{%
16822         \noexpand\usecounter{enumiv}%
16823         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16824       }\@tempa
16825       \no@bib@break
16826     \else
16827       \usecounter{enumiv}%
16828     \fi
16829     \let\p@enumiv\@empty
16830     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16831   }%
16832   \sloppy\clubpenalty4000 \widowpenalty4000
16833   \sfcode`\.=\@m
16834 }{%
16835   \if@bib@break@
16836     \def\@noitemerr{%
16837       \@latex@warning{%
16838         \string\BreakBibliography\space at begin of `thebibliography'
16839         environment\MessageBreak
16840         or following \string\BreakBibliography}%
16841     }%
16842   \else

```



```

16843 \def\@noitemerr{%
16844 \latex@warning{%
16845 Empty `thebibliography' environment or
16846 \string\BreakBibliography\MessageBreak
16847 before end of `thebibliography' environment}%
16848 }%
16849 \fi
16850 \endlist
16851 \if@bib@break@
16852 \else
16853 \bib@after@hook
16854 \let\bib@before@hook\@empty
16855 \let\bib@after@hook\@empty
16856 \fi
16857 \bib@endhook
16858 }
16859 \renewcommand*\left@footnoterule{%
16860 \kern-3\p@
16861 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16862 \hrule\@width.4\columnwidth
16863 \kern 2.6\p@}
16864 \renewcommand*\right@footnoterule{%
16865 \kern-3\p@
16866 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16867 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16868 \kern2.6\p@}
16869 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16870 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16871 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16872 \renewcommand\marginline[1]{%
16873 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16874 }
16875 \renewcommand{\@makecaption}[3]{%
16876 \cap@margin
16877 \ifonelinecaptions
16878 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16879 \let\scr@tmp@footnotetext=\@footnotetext
16880 \let\@footnotetext=\@gobble
16881 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16882 \let\@LTRfootnotetext=\@gobble
16883 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16884 \let\@RTLfootnotetext=\@gobble
16885 \sbox\@tempboxa{%
16886 {\capfont{\strut\ignorespaces
16887 #1{\caplabelfont{#2\captionformat}}}%
16888 #3\unskip\strut}}%
16889 }%
16890 \let\@footnotetext=\scr@tmp@footnotetext
16891 \let\scr@tmp@footnotetext=\undefined
16892 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext

```



```

16893 \let\scr@tmp@LTRfootnotetext=\undefined
16894 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16895 \let\scr@tmp@RTLfootnotetext=\undefined
16896 \setcounter{footnote}{\@tempcntb}%
16897 \setcounter{mpfootnote}{\@tempcnta}%
16898 \else
16899 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16900 \fi
16901 \beginingroup%
16902 \setlength{\@tempdima}{\cap@width}%
16903 \ifdim \wd\@tempboxa >\@tempdima
16904 \hb@xt@\hsize{%
16905 \setbox\@tempboxa\vbox{\hsize=\cap@width
16906 \ifdoofullc@p
16907 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16908 #1{\caplabelfont{#2\captionformat}}}}}%
16909 {#3\unskip\strut\par}}}%
16910 \else%
16911 \ifdim\cap@indent<\z@
16912 {\capfont{\strut\ignorespaces
16913 #1{\caplabelfont{#2\captionformat\par}}}%
16914 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
16915 \else%
16916 \if@capbreak
16917 {\capfont{\strut\ignorespaces
16918 #1{\caplabelfont{#2\captionformat\par}}}%
16919 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16920 \else
16921 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
16922 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16923 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16924 \fi
16925 \fi
16926 \fi
16927 }%
16928 \setlength{\@tempdima}{\ht\@tempboxa}%
16929 \addtolength{\@tempdima}{\dp\@tempboxa}%
16930 \addtolength{\@tempdima}{-\ht\strutbox}%
16931 \ht\@tempboxa\ht\strutbox
16932 \dp\@tempboxa\@tempdima
16933 \strut\cap@left
16934 \box\@tempboxa
16935 \cap@right\strut
16936 }%
16937 \else
16938 \global \@minipagefalse
16939 \sbox\@tempboxa{%
16940 {\capfont{\scr@smashdp{\strut\ignorespaces
16941 #1{\caplabelfont{#2\captionformat}}}}}%
16942 #3}%

```



```

16943     }%
16944     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap@right}}
16945     \fi
16946     \endgroup
16947 }
16948 \renewcommand{\@makecaption}[2]{%
16949   \if@captionabove
16950     \vskip\belowcaptionskip
16951   \else
16952     \vskip\abovecaptionskip
16953   \fi
16954   @@makecaption\@firstofone{#1}{#2}%
16955   \if@captionabove
16956     \vskip\abovecaptionskip
16957   \else
16958     \vskip\belowcaptionskip
16959   \fi
16960 }
16961 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16962   \@ifpackageloaded{caption2}{\@komalongtablefalse
16963     \scr@caption@before@longtable@warning{caption2}%
16964   }{}%
16965   \if@komalongtable
16966     \renewcommand{\LT@makecaption}[3]{%
16967       \noalign{%
16968         \if@captionabove
16969           \vskip\belowcaptionskip
16970         \else
16971           \vskip\abovecaptionskip
16972         \fi
16973       }%
16974       \LT@mcol\LT@cols c{%
16975         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16976           @@makecaption{#1}{#2}{#3}%
16977         }\endgraf
16978         \if@captionabove
16979           \vskip\abovecaptionskip
16980         \else
16981           \vskip\belowcaptionskip
16982         \fi
16983       }%
16984       \hss
16985     }%
16986   }%
16987 }%
16988 \renewcommand*{\scr@LT@array}{}%
16989 \let\scr@LT@array=\LT@array
16990 \renewcommand*{\LT@array}{%
16991   \let\scr@caption=\LT@caption
16992   \def\captionabove{\noalign{\global\@captionabovetrue}%

```



```

16993         \scr@caption}%
16994     \def\captionbelow{\noalign{\global\@captionabovefalse}%
16995         \scr@caption}%
16996     \if@tablecaptionabove
16997         \let\LT@caption=\captionabove
16998     \else
16999         \let\LT@caption=\captionbelow
17000     \fi
17001     \scr@LT@array
17002 }%
17003 \ClassInfo{\KOMAClassName}{%
17004     longtable captions redefined%
17005 }%
17006 \fi
17007 }
17008
17009 \CloneTOCEntryStyle{tocline}{part}
17010 \TOCEntryStyleStartInitCode{part}{%
17011     \expandafter\renewcommand%
17012     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17013     \expandafter\renewcommand%
17014     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17015     \expandafter\renewcommand%
17016     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17017         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17018     \expandafter\renewcommand\expandafter*%
17019     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17020 }
17021
17022 \CloneTOCEntryStyle{tocline}{section}
17023 \TOCEntryStyleStartInitCode{section}{%
17024     \expandafter\renewcommand%
17025     \csname scr@tso@#1@linefill\endcsname{%
17026         \if@sectionentrywithdots
17027             \TOCLineLeaderFill\relax
17028         \else
17029             \hfill
17030         \fi
17031     }%
17032     % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
17033     \expandafter\renewcommand%
17034     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17035     \expandafter\renewcommand%
17036     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sectionentrypagenumber}{##1}}}%
17037     \expandafter\renewcommand\expandafter*%
17038     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
17039 }
17040
17041 \CloneTOCEntryStyle{tocline}{subsection}
17042 \TOCEntryStyleStartInitCode{subsection}{%

```



```

17043 \expandafter\renewcommand%
17044 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17045 }
17046
17047 \CloneTOCEntryStyle{subsection}{default}
17048
17049 \DeclareSectionCommand[%
17050   style=part,%
17051   level=\z@,%
17052   tocstyle=part,%
17053   toplevel=\m@ne,%
17054   tocindent=\z@,%
17055   tocnumwidth=2em%
17056 ]{part}
17057 \DeclareSectionCommand[%
17058   style=section,%
17059   level=1,%
17060   indent=\z@,%
17061   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17062   afterskip=2.3ex \@plus .2ex,%
17063   tocstyle=section,%
17064   tocindent=0pt,%
17065   tocnumwidth=1.5em%
17066 ]{section}
17067 \DeclareSectionCommand[%
17068   style=section,%
17069   level=2,%
17070   indent=\z@,%
17071   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17072   afterskip=1.5ex \@plus .2ex,%
17073   tocstyle=subsection,%
17074   tocindent=1.5em,%
17075   tocnumwidth=2.3em%
17076 ]{subsection}
17077 \DeclareSectionCommand[%
17078   style=section,%
17079   level=3,%
17080   indent=\z@,%
17081   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17082   afterskip=1.5ex \@plus .2ex,%
17083   tocstyle=subsection,%
17084   tocindent=3.8em,%
17085   tocnumwidth=3.2em%
17086 ]{subsubsection}
17087 \DeclareSectionCommand[%
17088   style=section,%
17089   level=4,%
17090   indent=\z@,%
17091   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17092   afterskip=-1em,%

```




```

17093   tocstyle=subsection,%
17094   tocindent=7.0em,%
17095   tocnumwidth=4.1em%
17096 }{paragraph}
17097 \DeclareSectionCommand[%
17098   style=section,%
17099   level=5,%
17100   indent=\scr@parindent,%
17101   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17102   afterskip=-1em,%
17103   tocstyle=subsection,%
17104   tocindent=10em,%
17105   tocnumwidth=5em%
17106 ]{subparagraph}

```

105 File scrbook-xetex-bidi.def

```

17107 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17108 \newcommand{\scr@saved@LTRfootnotetext}{}
17109 \newcommand{\scr@saved@RTLfootnotetext}{}
17110 \let\scr@saved@footnotetext\@footnotetext
17111 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17112 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17113 \renewcommand{\@footnotetext}[1]{%
17114   \scr@saved@footnotetext{#1}%
17115   \csname FN@mfb@prepare\endcsname
17116 }
17117 \renewcommand{\@LTRfootnotetext}[1]{%
17118   \scr@saved@LTRfootnotetext{#1}%
17119   \csname FN@mfb@prepare\endcsname
17120 }
17121 \renewcommand{\@RTLfootnotetext}[1]{%
17122   \scr@saved@RTLfootnotetext{#1}%
17123   \csname FN@mfb@prepare\endcsname
17124 }
17125 \renewcommand\deffootnote[4][1]{%
17126   \long\def\@makefnmark##1{%
17127     \setlength{\@tempdimc}{#3}%
17128     \def\@tempa{#1}\ifx\@tempa\@empty
17129       \setpar{\@par
17130         \@tempdima = \hsize
17131         \addtolength{\@tempdima}{-#2}%
17132         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17133     \else
17134       \addtolength{\@tempdimc}{#2}%
17135       \addtolength{\@tempdimc}{-#1}%
17136       \setpar{\@par
17137         \@tempdima = \hsize
17138         \addtolength{\@tempdima}{-#1}%
17139         \@tempdimb = \hsize

```



```

17140      \addtolength{\@tempdimb}{-#2}%
17141      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17142      }%
17143      \fi
17144      \par
17145      \parindent\@tempdimc\noindent
17146      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17147      }%
17148      \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17149      }
17150      \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17151      \renewcommand*\left@footnoterule{%
17152      \normalsize\ftn@rule@test@values
17153      \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17154      \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17155      {\usekomafont{footnoterule}{%
17156      \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17157      \kern 2.6\p@}
17158      \renewcommand*\right@footnoterule{%
17159      \normalsize\ftn@rule@test@values
17160      \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17161      \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17162      {\usekomafont{footnoterule}{%
17163      \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17164      \kern 2.6\p@}
17165      \renewcommand*\maketitle[1][1]{%
17166      \if@titlepage
17167      \begin{titlepage}
17168      \setcounter{page}{%
17169      #1%
17170      }%
17171      \let\footnotesize\small
17172      \let\right@footnoterule\relax
17173      \let\left@footnoterule\relax
17174      \let\textwidth\footnoterule\relax
17175      \let\footnote\thanks
17176      \let\LTRfootnote\LTRthanks
17177      \let\RTLfootnote\RTLthanks
17178      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17179      \let\@oldmakefnmark\@makefnmark
17180      \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17181      \ifx\@extratitle\@empty \else
17182      \noindent\@extratitle\next@tpage\cleardoubleemptypage
17183      \thispagestyle{empty}%
17184      \fi
17185      \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17186      \ifx\@titlehead\@empty \else
17187      \begin{minipage}[t]{\textwidth}%
17188      \@titlehead
17189      \end{minipage}\par

```



```

17190 \fi
17191 \null\vfill
17192 \begin{center}
17193 \ifx\@subject\@empty \else
17194   {\subject@font \@subject \par}%
17195   \vskip 3em
17196 \fi
17197 {\titlefont\huge \@title\par}%
17198 \vskip 1em
17199 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17200 \vskip 2em
17201 {\Large \lineskip 0.75em
17202   \begin{tabular}[t]{c}
17203     \@author
17204   \end{tabular}\par
17205   }%
17206 \vskip 1.5em
17207 {\Large \@date \par}%
17208 \vskip \z@ \@plus3fill
17209 {\Large \@publishers \par}%
17210 \vskip 3em
17211 \end{center}\par
17212 \@thanks
17213 \vfill\null
17214 \if@twoside\next@tpage
17215   \begin{minipage}[t]{\textwidth}
17216     \@uppertitleback
17217   \end{minipage}\par
17218 \vfill
17219 \begin{minipage}[b]{\textwidth}
17220   \@lowertitleback
17221 \end{minipage}
17222 \fi
17223 \ifx\@dedication\@empty \else
17224   \next@tpage\null\vfill
17225   {\centering \Large \@dedication \par}%
17226   \vskip \z@ \@plus3fill
17227   \if@twoside \next@tpage\cleardoubleemptypage \fi
17228 \fi
17229 \end{titlepage}
17230 \else
17231 \par
17232 \@tempcnta=
17233 #1%
17234 \relax\ifnum\@tempcnta=1\else
17235   \ClassWarning{KOMAClassName}{%
17236     Optional argument of \string\maketitle\space ignored
17237     at\MessageBreak
17238     notitlepage-mode%
17239   }%

```



```

17240 \fi
17241 \beginingroup
17242 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17243 \let\@oldmakefnmark\@makefnmark
17244 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17245 \if@twocolumn
17246 \ifnum \col@number=\@one
17247 \@maketitle
17248 \else
17249 \twocolumn[\@maketitle]%
17250 \fi
17251 \else
17252 \newpage
17253 \global\@topnum\z@
17254 \@maketitle
17255 \fi
17256 \thispagestyle{\titlepagestyle}\@thanks
17257 \endgroup
17258 \fi
17259 \setcounter{footnote}{0}%
17260 \let\thanks\relax
17261 \let\LTRthanks\relax
17262 \let\RTLthanks\relax
17263 \let\maketitle\relax
17264 \let\@maketitle\relax
17265 \global\let\@thanks\@empty
17266 \global\let\@author\@empty
17267 \global\let\@date\@empty
17268 \global\let\@title\@empty
17269 \global\let\@subtitle\@empty
17270 \global\let\@extratitle\@empty
17271 \global\let\@titlehead\@empty
17272 \global\let\@subject\@empty
17273 \global\let\@publishers\@empty
17274 \global\let\@uppertitleback\@empty
17275 \global\let\@lowertitleback\@empty
17276 \global\let\@dedication\@empty
17277 \global\let\author\relax
17278 \global\let\title\relax
17279 \global\let\extratitle\relax
17280 \global\let\titlehead\relax
17281 \global\let\subject\relax
17282 \global\let\publishers\relax
17283 \global\let\uppertitleback\relax
17284 \global\let\lowertitleback\relax
17285 \global\let\dedication\relax
17286 \global\let\date\relax
17287 \global\let\and\relax
17288 }%
17289 \renewcommand*{\@maketitle}{%

```



```

17290 \clearpage
17291 \let\footnote\thanks
17292 \let\LTRfootnote\LTRthanks
17293 \let\RTLfootnote\RTLthanks
17294 \ifx\@extratitle\@empty \else
17295   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17296 \fi
17297 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
17298 \ifx\@titlehead\@empty \else
17299   \begin{minipage}[t]{\textwidth}
17300     \@titlehead
17301   \end{minipage}\par
17302 \fi
17303 \null
17304 \vskip 2em%
17305 \begin{center}%
17306   \ifx\@subject\@empty \else
17307     {\subject@font \@subject \par}
17308     \vskip 1.5em
17309   \fi
17310   {\titlefont\huge \@title \par}%
17311   \vskip .5em
17312   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17313   \vskip 1em
17314   {\Large
17315     \lineskip .5em%
17316     \begin{tabular}[t]{c}
17317       \@author
17318     \end{tabular}\par
17319   }%
17320   \vskip 1em%
17321   {\Large \@date \par}%
17322   \vskip \z@ \@plus 1em
17323   {\Large \@publishers \par}
17324   \ifx\@dedication\@empty \else
17325     \vskip 2em
17326     {\Large \@dedication \par}
17327   \fi
17328 \end{center}%
17329 \par
17330 \vskip 2em
17331 }%
17332 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17333 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17334 \renewcommand*\thesection{%
17335   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17336   \if@mainmatter\thechapter\@SepMark\fi
17337   \else
17338     \thechapter\@SepMark%
17339   \fi

```



```

17340 \@arabic\c@section
17341 }
17342 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17343 \renewcommand*{\thesubsubsection}{\%
17344 \thesubsection\@SepMark\@arabic\c@subsubsection
17345 }
17346 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17347 \renewcommand*{\thesubparagraph}{\%
17348 \theparagraph\@SepMark\@arabic\c@subparagraph
17349 }
17350 \renewcommand*\thefigure{%
17351 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17352 \if@mainmatter\thechapter\@SepMark\fi
17353 \else
17354 \thechapter\@SepMark%
17355 \fi
17356 \@arabic\c@figure
17357 }
17358 \renewcommand*\thetable{%
17359 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17360 \if@mainmatter\thechapter\@SepMark\fi
17361 \else
17362 \thechapter\@SepMark%
17363 \fi
17364 \@arabic\c@table
17365 }
17366 \renewcommand*\theequation{%
17367 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17368 \if@mainmatter\thechapter\@SepMark\fi
17369 \else
17370 \thechapter\@SepMark%
17371 \fi
17372 \@arabic\c@equation
17373 }
17374 \renewenvironment{thebibliography}[1]{%
17375 \if@bib@break@
17376 \bib@beginhook
17377 \else
17378 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17379 \setchapterpreamble{\bibpreamble}%
17380 \fi\fi
17381 \bib@heading
17382 \bib@beginhook
17383 \bib@before@hook
17384 \fi
17385 \renewcommand{\BreakBibliography}[1]{%
17386 \@bib@break
17387 \end{thebibliography}%
17388 \begingroup ##1\endgroup
17389 \begin{thebibliography}{#1}

```



```

17390 }%
17391 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17392 \bidi@thebibliography@font@hook%
17393 \list{%
17394   \@biblabel{\@arabic\c@enumiv}%
17395 }{%
17396   \settowidth\labelwidth{\@biblabel{#1}}%
17397   \leftmargin\labelwidth
17398   \advance\leftmargin\labelsep
17399   \@openbib@code
17400   \if@bib@break@
17401     \edef\@tempa{%
17402       \noexpand\usecounter{enumiv}%
17403       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17404     }\@tempa
17405     \no@bib@break
17406   \else
17407     \usecounter{enumiv}%
17408   \fi
17409   \let\p@enumiv\@empty
17410   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17411 }%
17412 \sloppy\clubpenalty4000 \widowpenalty4000
17413 \sfcode`\.=\@m
17414 }{%
17415   \if@bib@break@
17416     \def\@noitemerr{%
17417       \@latex@warning{%
17418         \string\BreakBibliography\space at begin of `thebibliography'
17419         environment\MessageBreak
17420         or following \string\BreakBibliography}%
17421     }%
17422   \else
17423     \def\@noitemerr{%
17424       \@latex@warning{%
17425         Empty `thebibliography' environment or
17426         \string\BreakBibliography\MessageBreak
17427         before end of `thebibliography' environment}%
17428     }%
17429   \fi
17430 \endlist
17431 \if@bib@break@
17432 \else
17433   \bib@after@hook
17434   \let\bib@before@hook\@empty
17435   \let\bib@after@hook\@empty
17436 \fi
17437 \bib@endhook
17438 }
17439 \renewcommand*\left@footnoterule{%

```



```

17440 \kern-3\p@
17441 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17442 \hrule\@width.4\columnwidth
17443 \kern 2.6\p@}
17444 \renewcommand*\right@footnoterule{%
17445 \kern-3\p@
17446 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17447 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17448 \kern2.6\p@}
17449 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17450 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17451 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17452 \renewcommand\marginline[1]{%
17453 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17454 }
17455 \renewcommand{\@@makecaption}[3]{%
17456 \cap@margin
17457 \ifonelinecaptions
17458 \tempcnta=\value{mpfootnote}\tempcntb=\value{footnote}%
17459 \let\scr@tmp@footnotetext=\@footnotetext
17460 \let\@footnotetext=\@gobble
17461 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17462 \let\@LTRfootnotetext=\@gobble
17463 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17464 \let\@RTLfootnotetext=\@gobble
17465 \sbox\@tempboxa{%
17466 {\capfont{\strut\ignorespaces
17467 #1{\caplabelfont{#2\captionformat}}}%
17468 #3\unskip\strut}}%
17469 }%
17470 \let\@footnotetext=\scr@tmp@footnotetext
17471 \let\scr@tmp@footnotetext=\undefined
17472 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17473 \let\scr@tmp@LTRfootnotetext=\undefined
17474 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17475 \let\scr@tmp@RTLfootnotetext=\undefined
17476 \setcounter{footnote}{\tempcntb}%
17477 \setcounter{mpfootnote}{\tempcnta}%
17478 \else
17479 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17480 \fi
17481 \begingroup%
17482 \setlength{\@tempdima}{\cap@width}%
17483 \ifdim \wd\@tempboxa >\@tempdima
17484 \hb@xt@\hsize{%
17485 \setbox\@tempboxa\vbox{\hsize=\cap@width
17486 \ifdofullc@p
17487 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17488 #1{\caplabelfont{#2\captionformat}}}}}%
17489 #3\unskip\strut\par}}}%

```




```

17490         \else%
17491         \ifdim\cap@indent<\z@
17492         {\capfont{\strut\ignorespaces
17493         #1{\caplabelfont{#2\captionformat\par}}}%
17494         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17495         \else%
17496         \if@capbreak
17497         {\capfont{\strut\ignorespaces
17498         #1{\caplabelfont{#2\captionformat\par}}}%
17499         \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17500         \else
17501         {\capfont{\hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17502         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17503         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17504         \fi
17505     \fi
17506     \fi
17507 }%
17508 \setlength{\@tempdima}{\ht\@tempboxa}%
17509 \addtolength{\@tempdima}{\dp\@tempboxa}%
17510 \addtolength{\@tempdima}{-\ht\strutbox}%
17511 \ht\@tempboxa\ht\strutbox
17512 \dp\@tempboxa\@tempdima
17513 \strut\cap@left
17514 \box\@tempboxa
17515 \cap@right\strut
17516 }%
17517 \else
17518 \global \@minipagefalse
17519 \sbox\@tempboxa{%
17520 {\capfont{\scr@smashdp{\strut\ignorespaces
17521 #1{\caplabelfont{#2\captionformat}}}}}%
17522 #3}}%
17523 }%
17524 {\capfont{\hb@xt{\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
17525 \fi
17526 \endgroup
17527 }
17528 \renewcommand{\@makecaption}[2]{%
17529 \if@captionabove
17530 \vskip\belowcaptionskip
17531 \else
17532 \vskip\abovecaptionskip
17533 \fi
17534 @@makecaption\@firstofone{#1}{#2}%
17535 \if@captionabove
17536 \vskip\abovecaptionskip
17537 \else
17538 \vskip\belowcaptionskip
17539 \fi

```



```

17540 }
17541 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17542   \@ifpackageloaded{caption2}{\@komalongtablefalse
17543     \scr@caption@before@longtable@warning{caption2}%
17544   }{}%
17545   \if@komalongtable
17546     \renewcommand{\LT@makecaption}[3]{%
17547       \noalign{%
17548         \if@captionabove
17549           \vskip\belowcaptionskip
17550         \else
17551           \vskip\abovecaptionskip
17552         \fi
17553       }%
17554       \LT@mcol\LT@cols c{%
17555         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17556           \@makecaption{#1}{#2}{#3}%
17557         \endgraf
17558         \if@captionabove
17559           \vskip\abovecaptionskip
17560         \else
17561           \vskip\belowcaptionskip
17562         \fi
17563       }%
17564       \hss
17565     }%
17566   }%
17567 }%
17568 \renewcommand*{\scr@LT@array}{}%
17569 \let\scr@LT@array=\LT@array
17570 \renewcommand*{\LT@array}{%
17571   \let\scr@caption=\LT@caption
17572   \def\captionabove{\noalign{\global\@captionabovetrue}%
17573     \scr@caption}%
17574   \def\captionbelow{\noalign{\global\@captionabovetrue}%
17575     \scr@caption}%
17576   \if@tablecaptionabove
17577     \let\LT@caption=\captionabove
17578   \else
17579     \let\LT@caption=\captionbelow
17580   \fi
17581   \scr@LT@array
17582 }%
17583 \ClassInfo{\KOMAClassName}{%
17584   longtable captions redefined%
17585 }%
17586 \fi
17587 }
17588
17589 \CloneTOCEntryStyle{tocline}{part}

```



```

17590 \TOCEntryStyleStartInitCode{part}{%
17591   \expandafter\renewcommand%
17592   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17593   \expandafter\renewcommand%
17594   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17595   \expandafter\renewcommand%
17596   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17597     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17598   \expandafter\renewcommand\expandafter*%
17599   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17600 }
17601
17602 \CloneTOCEntryStyle{tocline}{chapter}
17603 \TOCEntryStyleStartInitCode{chapter}{%
17604   \expandafter\renewcommand%
17605   \csname scr@tso@#1@linefill\endcsname{%
17606     \if@chapterentrywithdots
17607       \TOCLineLeaderFill\relax
17608     \else
17609       \hfill
17610     \fi
17611   }%
17612   \expandafter\renewcommand%
17613   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17614   \expandafter\renewcommand%
17615   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17616     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17617   \expandafter\renewcommand\expandafter*%
17618   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17619 }
17620
17621 \CloneTOCEntryStyle{tocline}{section}
17622 \TOCEntryStyleStartInitCode{section}{%
17623   \expandafter\renewcommand%
17624   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17625 }
17626
17627 \CloneTOCEntryStyle{section}{default}
17628
17629 \DeclareSectionCommand[%
17630   style=part,%
17631   level=\m@ne,%
17632   pagestyle=plain,%
17633   tocstyle=part,%
17634   toplevel=\m@ne,%
17635   tocindent=\z@,%
17636   tocnumwidth=2em%
17637 ]{part}
17638 \DeclareSectionCommand[%
17639   style=chapter,%

```



```

17640 level=\z@,%
17641 pagestyle=plain,%
17642 tocstyle=chapter,%
17643 tocindent=\z@,%
17644 tocnumwidth=1.5em%
17645 ]{chapter}
17646 \DeclareSectionCommand[%
17647 style=section,%
17648 level=1,%
17649 indent=\z@,%
17650 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17651 afterskip=2.3ex \@plus .2ex,%
17652 tocstyle=section,%
17653 tocindent=1.5em,%
17654 tocnumwidth=2.3em%
17655 ]{section}
17656 \DeclareSectionCommand[%
17657 style=section,%
17658 level=2,%
17659 indent=\z@,%
17660 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17661 afterskip=1.5ex \@plus .2ex,%
17662 tocstyle=section,%
17663 tocindent=3.8em,%
17664 tocnumwidth=3.2em%
17665 ]{subsection}
17666 \DeclareSectionCommand[%
17667 style=section,%
17668 level=3,%
17669 indent=\z@,%
17670 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17671 afterskip=1.5ex \@plus .2ex,%
17672 tocstyle=section,%
17673 tocindent=7.0em,%
17674 tocnumwidth=4.1em%
17675 ]{subsubsection}
17676 \DeclareSectionCommand[%
17677 style=section,%
17678 level=4,%
17679 indent=\z@,%
17680 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17681 afterskip=-1em,%
17682 tocstyle=section,%
17683 tocindent=10em,%
17684 tocnumwidth=5em%
17685 ]{paragraph}
17686 \DeclareSectionCommand[%
17687 style=section,%
17688 level=5,%
17689 indent=\scr@parindent,%

```



```

17690 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17691 afterskip=-1em,%
17692 tocstyle=section,%
17693 tocindent=12em,%
17694 tocnumwidth=6em%
17695 ]{subparagraph}
17696
17697

```

106 File scrlettr-xetex-bidi.def

```

17698 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17699 \renewcommand\deffootnote[4] [] {%
17700   \long\def\@makefnmark##1{%
17701     \edef\@tempa{#1}\ifx\@tempa\@empty
17702       \setpar{\@par
17703         \@tempdima = \hsize
17704         \addtolength{\@tempdima}{-#2}
17705         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17706     \else
17707       \setpar{\@par
17708         \@tempdima = \hsize
17709         \addtolength{\@tempdima}{-#1}
17710         \@tempdimb = \hsize
17711         \addtolength{\@tempdimb}{-#2}
17712         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17713       \fi
17714       \par
17715       \parindent #3\noindent
17716       \hbox to \z@{\hss\@makefnmark}##1}
17717 \def\@makefnmark{\hbox{#4}}
17718 }
17719 \deffootnote[1em]{1.5em}{1em}
17720 {\textsuperscript{\thefootnotemark}}
17721 \def\left@footnoterule{\kern-1\p@
17722   \hrule width 0.4\columnwidth
17723   \kern .6\p@}
17724 \def\right@footnoterule{%
17725   \kern-1\p@
17726   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17727   \kern .6\p@}
17728 \def\@datefield{\@reffalse
17729   \ifx\varyourref\@empty \else \@reftrue \fi
17730   \ifx\varyourmail\@empty \else \@reftrue \fi
17731   \ifx\varmyref\@empty \else \@reftrue \fi
17732   \ifx\varcustomer\@empty \else \@reftrue \fi
17733   \ifx\varinvoice\@empty \else \@reftrue \fi
17734   \ifx\varrefitemi\@empty \else \@reftrue \fi
17735   \ifx\varrefitemii\@empty \else \@reftrue \fi
17736   \ifx\varrefitemiii\@empty \else \@reftrue \fi

```



```

17737 \vskip -\parskip
17738 \vskip \refvskip
17739 \if@ref
17740 \ifx\varyourref\@empty \else
17741 \settowidth{\sc@temp}{\varyourref}
17742 \setbox0\hbox{\scriptsize \sf \yourrefname}
17743 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17744 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17745 \fi
17746 \ifx\varyourmail\@empty \else
17747 \settowidth{\sc@temp}{\varyourmail}
17748 \setbox0\hbox{\scriptsize \sf \yourmailname}
17749 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17750 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17751 \fi
17752 \ifx\varmyref\@empty \else
17753 \settowidth{\sc@temp}{\varmyref}
17754 \setbox0\hbox{\scriptsize \sf \myrefname}
17755 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17756 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17757 \fi
17758 \ifx\varcustomer\@empty \else
17759 \settowidth{\sc@temp}{\varcustomer}
17760 \setbox0\hbox{\scriptsize \sf \customername}
17761 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17762 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17763 \fi
17764 \ifx\varinvoice\@empty \else
17765 \settowidth{\sc@temp}{\varinvoice}
17766 \setbox0\hbox{\scriptsize \sf \invoicename}
17767 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17768 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17769 \fi
17770 \ifx\varrefitemi\@empty \else
17771 \settowidth{\sc@temp}{\varrefitemi}
17772 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17773 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17774 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17775 \fi
17776 \ifx\varrefitemii\@empty \else
17777 \settowidth{\sc@temp}{\varrefitemii}
17778 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17779 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17780 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17781 \fi
17782 \ifx\varrefitemiii\@empty \else
17783 \settowidth{\sc@temp}{\varrefitemiii}
17784 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17785 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17786 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill

```



```

17787 \fi
17788 \ifx\@date\@empty \else
17789 \settowidth{\sc@temp}{\@date}
17790 \setbox0\hbox{\scriptsize \sf \datename}
17791 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17792 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17793 \fi
17794 \par
17795 \vspace{2.5\baselineskip}
17796 \else
17797 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17798 \vspace{1.5\baselineskip}
17799 \fi}
17800 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17801 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17802 -\sigindent \hspace{\sigindent}}%
17803 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
17804 \fromsig\strut}\par
17805 \vspace{1.5\baselineskip}}

```

107 File scrreprt-xetex-bidi.def

```

17806 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17807 \newcommand{\scr@saved@LTRfootnotetext}{}
17808 \newcommand{\scr@saved@RTLfootnotetext}{}
17809 \let\scr@saved@footnotetext\@footnotetext
17810 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17811 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17812 \renewcommand{\@footnotetext}[1]{%
17813 \scr@saved@footnotetext{#1}%
17814 \csname FN@mf@prepare\endcsname
17815 }
17816 \renewcommand{\@LTRfootnotetext}[1]{%
17817 \scr@saved@LTRfootnotetext{#1}%
17818 \csname FN@mf@prepare\endcsname
17819 }
17820 \renewcommand{\@RTLfootnotetext}[1]{%
17821 \scr@saved@RTLfootnotetext{#1}%
17822 \csname FN@mf@prepare\endcsname
17823 }
17824 \renewcommand\deffootnote[4][1]{%
17825 \long\def\@makefntext##1{%
17826 \setlength{\@tempdimc}{#3}%
17827 \def\@tempa{#1}\ifx\@tempa\@empty
17828 \setpar{\@par
17829 \@tempdima = \hsize
17830 \addtolength{\@tempdima}{-#2}%
17831 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17832 \else
17833 \addtolength{\@tempdimc}{#2}%

```



```

17834 \addtolength{\@tempdimc}{-#1}%
17835 \@setpar{\@par
17836 \@tempdima = \hsize
17837 \addtolength{\@tempdima}{-#1}%
17838 \@tempdimb = \hsize
17839 \addtolength{\@tempdimb}{-#2}%
17840 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17841 }%
17842 \fi
17843 \par
17844 \parindent\@tempdimc\noindent
17845 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17846 }%
17847 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17848 }
17849 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17850 \renewcommand*\left@footnoterule{%
17851 \normalsize\ftn@rule@test@values
17852 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17853 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17854 {\usekomafont{footnoterule}{%
17855 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17856 \kern 2.6\p@}
17857 \renewcommand*\right@footnoterule{%
17858 \normalsize\ftn@rule@test@values
17859 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17860 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17861 {\usekomafont{footnoterule}{%
17862 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17863 \kern 2.6\p@}
17864 \renewcommand*\maketitle[1][1]{%
17865 \if@titlepage
17866 \begin{titlepage}
17867 \setcounter{page}{%
17868 #1%
17869 }%
17870 \let\footnotesize\small
17871 \let\right@footnoterule\relax
17872 \let\left@footnoterule\relax
17873 \let\textwidth\footnoterule\relax
17874 \let\footnote\thanks
17875 \let\LTRfootnote\LTRthanks
17876 \let\RTLfootnote\RTLthanks
17877 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17878 \let\@oldmakefnmark\@makefnmark
17879 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17880 \ifx\@extratitle\@empty \else
17881 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17882 \thispagestyle{empty}%
17883 \fi

```




```

17884 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
17885 \ifx\@titlehead\@empty \else
17886 \begin{minipage}[t]{\textwidth}%
17887 \@titlehead
17888 \end{minipage}\par
17889 \fi
17890 \null\vfill
17891 \begin{center}
17892 \ifx\@subject\@empty \else
17893 {\subject@font \@subject \par}%
17894 \vskip 3em
17895 \fi
17896 {\titlefont\huge \@title\par}%
17897 \vskip 1em
17898 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17899 \vskip 2em
17900 {\Large \lineskip 0.75em
17901 \begin{tabular}[t]{c}
17902 \@author
17903 \end{tabular}\par
17904 }%
17905 \vskip 1.5em
17906 {\Large \@date \par}%
17907 \vskip \z@ \@plus3fill
17908 {\Large \@publishers \par}%
17909 \vskip 3em
17910 \end{center}\par
17911 \@thanks
17912 \vfill\null
17913 \if@twoside\next@tpage
17914 \begin{minipage}[t]{\textwidth}
17915 \@uppertitleback
17916 \end{minipage}\par
17917 \vfill
17918 \begin{minipage}[b]{\textwidth}
17919 \@lowertitleback
17920 \end{minipage}
17921 \fi
17922 \ifx\@dedication\@empty \else
17923 \next@tpage\null\vfill
17924 {\centering \Large \@dedication \par}%
17925 \vskip \z@ \@plus3fill
17926 \if@twoside \next@tpage\cleardoubleemptypage \fi
17927 \fi
17928 \end{titlepage}
17929 \else
17930 \par
17931 \@tempcnta=%
17932 #1%
17933 \relax\ifnum\@tempcnta=1\else

```



```

17934 \ClassWarning{\KOMAClassName}{%
17935   Optional argument of \string\maketitle\space ignored
17936   at\MessageBreak
17937   notitlepage-mode%
17938 }%
17939 \fi
17940 \begingroup
17941 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17942 \let\@oldmakefnmark\@makefnmark
17943 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17944 \if@twocolumn
17945   \ifnum \col@number=\@ne
17946     \@maketitle
17947   \else
17948     \twocolumn[\@maketitle]%
17949   \fi
17950 \else
17951   \newpage
17952   \global\@topnum\z@
17953   \@maketitle
17954 \fi
17955 \thispagestyle{\titlepagestyle}\@thanks
17956 \endgroup
17957 \fi
17958 \setcounter{footnote}{0}%
17959 \let\thanks\relax
17960 \let\LTRthanks\relax
17961 \let\RTLthanks\relax
17962 \let\maketitle\relax
17963 \let\@maketitle\relax
17964 \global\let\@thanks\@empty
17965 \global\let\@author\@empty
17966 \global\let\@date\@empty
17967 \global\let\@title\@empty
17968 \global\let\@subtitle\@empty
17969 \global\let\@extratitle\@empty
17970 \global\let\@titlehead\@empty
17971 \global\let\@subject\@empty
17972 \global\let\@publishers\@empty
17973 \global\let\@uppertitleback\@empty
17974 \global\let\@lowertitleback\@empty
17975 \global\let\@dedication\@empty
17976 \global\let\author\relax
17977 \global\let\title\relax
17978 \global\let\extratitle\relax
17979 \global\let\titlehead\relax
17980 \global\let\subject\relax
17981 \global\let\publishers\relax
17982 \global\let\uppertitleback\relax
17983 \global\let\lowertitleback\relax

```



```

17984 \global\let\dedication\relax
17985 \global\let\date\relax
17986 \global\let\and\relax
17987 }%
17988 \renewcommand*{\@maketitle}{%
17989 \clearpage
17990 \let\footnote\thanks
17991 \let\LTRfootnote\LTRthanks
17992 \let\RTLfootnote\RTLthanks
17993 \ifx\@extratitle\@empty \else
17994 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17995 \fi
17996 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17997 \ifx\@titlehead\@empty \else
17998 \begin{minipage}[t]{\textwidth}
17999 \@titlehead
18000 \end{minipage}\par
18001 \fi
18002 \null
18003 \vskip 2em%
18004 \begin{center}%
18005 \ifx\@subject\@empty \else
18006 {\subject@font \@subject \par}
18007 \vskip 1.5em
18008 \fi
18009 {\titlefont\huge \@title \par}%
18010 \vskip .5em
18011 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18012 \vskip 1em
18013 {\Large
18014 \lineskip .5em%
18015 \begin{tabular}[t]{c}
18016 \@author
18017 \end{tabular}\par
18018 }%
18019 \vskip 1em%
18020 {\Large \@date \par}%
18021 \vskip \z@ \@plus 1em
18022 {\Large \@publishers \par}
18023 \ifx\@dedication\@empty \else
18024 \vskip 2em
18025 {\Large \@dedication \par}
18026 \fi
18027 \end{center}%
18028 \par
18029 \vskip 2em
18030 }%
18031 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18032 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18033 \renewcommand*\thesection{%

```



```

18034 \thechapter\@SepMark%
18035 \@arabic\c@section
18036 }
18037 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18038 \renewcommand*{\thesubsubsection}{%
18039 \thesubsection\@SepMark\@arabic\c@subsubsection
18040 }
18041 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18042 \renewcommand*{\thesubparagraph}{%
18043 \theparagraph\@SepMark\@arabic\c@subparagraph
18044 }
18045 \renewcommand*{\thefigure{%
18046 \thechapter\@SepMark%
18047 \@arabic\c@figure
18048 }
18049 \renewcommand*{\thetable{%
18050 \thechapter\@SepMark%
18051 \@arabic\c@table
18052 }
18053 \renewcommand*{\theequation{%
18054 \thechapter\@SepMark%
18055 \@arabic\c@equation
18056 }
18057 \renewenvironment{thebibliography}[1]{%
18058 \if@bib@break@
18059 \bib@beginhook
18060 \else
18061 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18062 \setchapterpreamble{\bibpreamble}%
18063 \fi\fi
18064 \bib@heading
18065 \bib@beginhook
18066 \bib@before@hook
18067 \fi
18068 \renewcommand{\BreakBibliography}[1]{%
18069 \@bib@break
18070 \end{thebibliography}%
18071 \begingroup ##1\endgroup
18072 \begin{thebibliography}{#1}
18073 }%
18074 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18075 \bidi@thebibliography@font@hook%
18076 \list{%
18077 \@biblabel{\@arabic\c@enumiv}%
18078 }{%
18079 \settowidth\labelwidth{\@biblabel{#1}}%
18080 \leftmargin\labelwidth
18081 \advance\leftmargin\labelsep
18082 \@openbib@code
18083 \if@bib@break@

```



```

18084 \edef\@tempa{%
18085 \noexpand\usecounter{enumiv}%
18086 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18087 }\@tempa
18088 \no@bib@break
18089 \else
18090 \usecounter{enumiv}%
18091 \fi
18092 \let\p@enumiv\@empty
18093 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18094 }%
18095 \sloppy\clubpenalty4000 \widowpenalty4000
18096 \sfcode`\.=\@m
18097 }{%
18098 \if@bib@break@
18099 \def\@noitemerr{%
18100 \@latex@warning{%
18101 \string\BreakBibliography\space at begin of `thebibliography'
18102 environment\MessageBreak
18103 or following \string\BreakBibliography}%
18104 }%
18105 \else
18106 \def\@noitemerr{%
18107 \@latex@warning{%
18108 Empty `thebibliography' environment or
18109 \string\BreakBibliography\MessageBreak
18110 before end of `thebibliography' environment}%
18111 }%
18112 \fi
18113 \endlist
18114 \if@bib@break@
18115 \else
18116 \bib@after@hook
18117 \let\bib@before@hook\@empty
18118 \let\bib@after@hook\@empty
18119 \fi
18120 \bib@endhook
18121 }
18122 \renewcommand*\left@footnoterule{%
18123 \kern-3\p@
18124 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18125 \hrule\@width.4\columnwidth
18126 \kern 2.6\p@}
18127 \renewcommand*\right@footnoterule{%
18128 \kern-3\p@
18129 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18130 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18131 \kern2.6\p@}
18132 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18133 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}

```



```

18134 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18135 \renewcommand\marginline[1]{%
18136   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18137 }
18138 \renewcommand{\@@makecaption}[3]{%
18139   \cap@margin
18140   \ifonelinecaptions
18141     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18142     \let\scr@tmp@footnotetext=\@footnotetext
18143     \let\@footnotetext=\@gobble
18144     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18145     \let\@LTRfootnotetext=\@gobble
18146     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18147     \let\@RTLfootnotetext=\@gobble
18148     \sbox\@tempboxa{%
18149       {\capfont{\strut\ignorespaces
18150         #1{\caplabelfont{#2\captionformat}}}%
18151         #3\unskip\strut}}%
18152     }%
18153     \let\@footnotetext=\scr@tmp@footnotetext
18154     \let\scr@tmp@footnotetext=\undefined
18155     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18156     \let\scr@tmp@LTRfootnotetext=\undefined
18157     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18158     \let\scr@tmp@RTLfootnotetext=\undefined
18159     \setcounter{footnote}{\@tempcntb}%
18160     \setcounter{mpfootnote}{\@tempcnta}%
18161   \else
18162     \sbox\@tempboxa{\hspace*{2\cap@width}}%
18163   \fi
18164   \begingroup%
18165     \setlength{\@tempdima}{\cap@width}%
18166     \ifdim \wd\@tempboxa >\@tempdima
18167       \hb@xt@\hsize{%
18168         \setbox\@tempboxa\vbox{\hsize=\cap@width
18169           \ifdofullcap
18170             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18171               #1{\caplabelfont{#2\captionformat}}}}}%
18172               #3\unskip\strut\par}}}%
18173       \else%
18174         \ifdim\cap@indent<\z@
18175           {\capfont{\strut\ignorespaces
18176             #1{\caplabelfont{#2\captionformat\par}}}%
18177             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18178         \else%
18179           \if@capbreak
18180             {\capfont{\strut\ignorespaces
18181               #1{\caplabelfont{#2\captionformat\par}}}%
18182               \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18183         \else

```



```

18184         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
18185         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18186         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18187     \fi
18188 \fi
18189 \fi
18190 }%
18191 \setlength{\@tempdima}{\ht\@tempboxa}%
18192 \addtolength{\@tempdima}{\dp\@tempboxa}%
18193 \addtolength{\@tempdima}{-\ht\strutbox}%
18194 \ht\@tempboxa\ht\strutbox
18195 \dp\@tempboxa\@tempdima
18196 \strut\cap@left
18197 \box\@tempboxa
18198 \cap@right\strut
18199 }%
18200 \else
18201 \global \@minipagefalse
18202 \sbox\@tempboxa{%
18203     {\capfont{\scr@smashdp{\strut\ignorespaces
18204     #1{\caplabelfont{#2\captionformat}}}}}%
18205     #3}}}%
18206 }%
18207 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
18208 \fi
18209 \endgroup
18210 }
18211 \renewcommand{\@makecaption}[2]{%
18212 \if@captionabove
18213 \vskip\belowcaptionskip
18214 \else
18215 \vskip\abovecaptionskip
18216 \fi
18217 @@makecaption\@firstofone{#1}{#2}%
18218 \if@captionabove
18219 \vskip\abovecaptionskip
18220 \else
18221 \vskip\belowcaptionskip
18222 \fi
18223 }
18224 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18225 \@ifpackageloaded{caption2}{\@komalongtablefalse
18226 \scr@caption@before@longtable@warning{caption2}}%
18227 }{}%
18228 \if@komalongtable
18229 \renewcommand{\LT@makecaption}[3]{%
18230 \noalign{%
18231 \if@captionabove
18232 \vskip\belowcaptionskip
18233 \else

```



```

18234         \vskip\abovecaptionskip
18235     \fi
18236 }%
18237 \LT@mcol\LT@cols c{%
18238     \hbox to\z@{\hss\parbox[t]{\linewidth{%
18239         \@makecaption{#1}{#2}{#3}%
18240     \endgraf
18241     \if@captionabove
18242         \vskip\abovecaptionskip
18243     \else
18244         \vskip\belowcaptionskip
18245     \fi
18246 }%
18247 \hss
18248 }%
18249 }%
18250 }%
18251 \renewcommand*{\scr@LT@array}{}%
18252 \let\scr@LT@array=\LT@array
18253 \renewcommand*{\LT@array}{%
18254     \let\scr@caption=\LT@caption
18255     \def\captionabove{\noalign{\global\@captionabovetrue}%
18256         \scr@caption}%
18257     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18258         \scr@caption}%
18259     \if@tablecaptionabove
18260         \let\LT@caption=\captionabove
18261     \else
18262         \let\LT@caption=\captionbelow
18263     \fi
18264     \scr@LT@array
18265 }%
18266 \ClassInfo{\KOMAClassName}{%
18267     longtable captions redefined%
18268 }%
18269 \fi
18270 }
18271
18272 \CloneTOCEntryStyle{tocline}{part}
18273 \TOCEntryStyleStartInitCode{part}{%
18274     \expandafter\renewcommand%
18275     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18276     \expandafter\renewcommand%
18277     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18278     \expandafter\renewcommand%
18279     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18280         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18281     \expandafter\renewcommand\expandafter*%
18282     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18283 }

```




```

18284
18285 \CloneTOCEntryStyle{tocline}{chapter}
18286 \TOCEntryStyleStartInitCode{chapter}{%
18287   \expandafter\renewcommand%
18288   \csname scr@tso@#1@linefill\endcsname{%
18289     \if@chapterentrywithdots
18290       \TOCLineLeaderFill\relax
18291     \else
18292       \hfill
18293     \fi
18294   }%
18295   \expandafter\renewcommand%
18296   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
18297   \expandafter\renewcommand%
18298   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18299     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18300   \expandafter\renewcommand\expandafter*%
18301   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18302 }
18303
18304 \CloneTOCEntryStyle{tocline}{section}
18305 \TOCEntryStyleStartInitCode{section}{%
18306   \expandafter\renewcommand%
18307   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18308 }
18309
18310 \CloneTOCEntryStyle{section}{default}
18311
18312 \DeclareSectionCommand[%
18313   style=part,%
18314   level=\m@ne,%
18315   pagestyle=plain,%
18316   tocstyle=part,%
18317   toplevel=\m@ne,%
18318   tocindent=\z@,%
18319   tocnumwidth=2em%
18320 ]{part}
18321 \DeclareSectionCommand[%
18322   style=chapter,%
18323   level=\z@,%
18324   pagestyle=plain,%
18325   tocstyle=chapter,%
18326   tocindent=\z@,%
18327   tocnumwidth=1.5em%
18328 ]{chapter}
18329 \DeclareSectionCommand[%
18330   style=section,%
18331   level=1,%
18332   indent=\z@,%
18333   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%

```



```

18334 afterskip=2.3ex \@plus.2ex,%
18335 tocstyle=section,%
18336 tocindent=1.5em,%
18337 tocnumwidth=2.3em%
18338]{section}
18339\DeclareSectionCommand[%
18340 style=section,%
18341 level=2,%
18342 indent=\z@,%
18343 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18344 afterskip=1.5ex \@plus .2ex,%
18345 tocstyle=section,%
18346 tocindent=3.8em,%
18347 tocnumwidth=3.2em%
18348]{subsection}
18349\DeclareSectionCommand[%
18350 style=section,%
18351 level=3,%
18352 indent=\z@,%
18353 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18354 afterskip=1.5ex \@plus .2ex,%
18355 tocstyle=section,%
18356 tocindent=7.0em,%
18357 tocnumwidth=4.1em%
18358]{subsubsection}
18359\DeclareSectionCommand[%
18360 style=section,%
18361 level=4,%
18362 indent=\z@,%
18363 beforekip=3.25ex \@plus1ex \@minus .2ex,%
18364 afterskip=-1em,%
18365 tocstyle=section,%
18366 tocindent=10em,%
18367 tocnumwidth=5em%
18368]{paragraph}
18369\DeclareSectionCommand[%
18370 style=section,%
18371 level=5,%
18372 indent=\scr@parindent,%
18373 beforekip=3.25ex \@plus1ex \@minus .2ex,%
18374 afterskip=-1em,%
18375 tocstyle=section,%
18376 tocindent=12em,%
18377 tocnumwidth=6em%
18378]{subparagraph}
18379
18380

```



108 File sidecap-xetex-bidi.def

```
18381 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
18382 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18383   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18384 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18385 \renewcommand*{\SC@justify@caption}{\if@RTL%
18386 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18387   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
```

109 File soul-xetex-bidi.def

```
18388 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18389 \long\def\SOUL@start#1{%
18390   \let\bidi@RTL@everypar\@empty
18391   \let\<\SOUL@lowerthan
18392   \let\>\empty
18393   \def\soulomit{\noexpand\soulomit}%
18394   \gdef\SOUL@eventuallyexhyphen##1{%
18395     \let\SOUL@soeventuallyskip\relax
18396     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18397       \@minus\fontdimen4\font
18398     \SOUL@ignorespacesfalse
18399     \leavevmode
18400     \SOUL@preamble
18401     \SOUL@lasttoken={}%
18402     \SOUL@word={}%
18403     \SOUL@minus\z@
18404     \SOUL@comma\z@
18405     \SOUL@apo\z@
18406     \SOUL@grave\z@
18407     \SOUL@do{#1}%
18408     \SOUL@postamble
18409   }}
18410 \def\SOUL@ulunderline#1{%
18411   \setbox\z@\hbox{#1}%
18412   \dimen@=\wd\z@
18413   \dimen@i=\SOUL@uloverlap
18414   \advance\dimen@2\dimen@i
18415   \if@RTL
18416     \unhcopy\z@
18417     \llap{%
18418       \null
18419       \kern-\dimen@i
18420       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18421     }%
18422   \else
18423     \rlap{%
18424       \null
18425       \kern-\dimen@i
```



```

18426      \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18427    }%
18428    \unhcopy\z@
18429    \fi
18430  }}
18431  \def\bidi@SOUL@ulleaders{%
18432    \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18433  }
18434  \def\SOUL@uleveryspace#1{%
18435    \if@RTL
18436      #1%
18437      \bidi@SOUL@ulleaders
18438      \hskip\spaceskip
18439    \else
18440      \SOUL@ulcolor{%
18441        #1%
18442        \SOUL@ulleaders
18443        \hskip\spaceskip
18444      }%
18445      \fi
18446      \null
18447  }

```

110 File stabular-xetex-bidi.def

```

18448 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package ]
18449 \def\@stabular{%
18450   \leavevmode \bgroup \if@RTLtab\beginR \fi
18451   \let\@acol\@tabacol
18452   \let\@classz\@tabclassz
18453   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18454 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18455   \egroup \if@RTLtab\endR\fi\egroup}
18456 \expandafter \let \csname endstabular*\endcsname = \endstabular
18457 \def\@sarray[#1]#2{%
18458   \bgroup
18459   \setbox\@arstrutbox\hbox{%
18460     \vrule \@height\arraystretch\ht\strutbox
18461     \@depth\arraystretch \dp\strutbox
18462     \@width\z@}%
18463   \@mkpream{#2}%
18464   \edef\@preamble{%
18465     \ialign \noexpand\@halignto
18466       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18467   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18468   \let\@tabularnewline\%
18469   \let\@sharp##%
18470   \set@typeset@protect
18471   \lineskip\z@skip\baselineskip\z@skip
18472   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi

```



```
18473 \@preamble}
```

111 File subfigure-xetex-bidi.def

```
18474 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18475 \AtBeginDocument{%
18476 \let\p@subfigure=\thefigure
18477 \let\p@subtable=\thetable%
18478 }
```

112 File tabs-xetex-bidi.def

```
18479 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
18480 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18481
18482 \expandafter\let\csname endtabular*\endcsname=\endtabular
18483
18484 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18485 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18486 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18487
18488 \def\@array[#1]#2{% remember global variables to allow recursion:
18489 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18490 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18491 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18492 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18493 \else \let\@tarlinesep\tablinesep \fi
18494 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18495 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18496 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18497 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18498 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18499 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18500 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18501 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18502 \let\protect\noexpand
18503 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18504 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18505 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18506 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18507 \bgroup \let\par\empty
18508 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18509 \advance\extrarulesep.5\arrayrulewidth
18510 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18511 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18512 \@preamble}
```

113 File tabularx-xetex-bidi.def

```
18513 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
```



```

18514 \def\TX@endtabularx{%
18515   \expandafter\expandafter\expandafter
18516     \TX@find@endtabularxa\csname end\TX@\endcsname
18517     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18518   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18519   \let\verb\TX@verb
18520   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18521   \edef\TX@ckpt{\cl@ckpt}%
18522   \let\@elt\relax
18523   \TX@old@table\maxdimen
18524   \TX@col@width\TX@target
18525   \global\TX@cols\@ne
18526   \TX@typeout@
18527     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18528   \TX@trial{\def\NC@rewrite@X{%
18529     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18530   \loop
18531     \TX@arith
18532     \ifTX@
18533       \TX@trial{}%
18534   \repeat
18535   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18536    \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18537    \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18538    \csname tabular*\expandafter\endcsname\expandafter\TX@target
18539      \the\toks@
18540    \csname endtabular*\endcsname}%
18541   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18542   \ifnum0=\fi}%
18543   \expandafter\expandafter\expandafter
18544     \TX@find@endtabularxbb
18545     \expandafter\end\expandafter{\TX@}%
18546     \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18547 }
18548
18549 \def\TX@trial#1{%
18550   \setbox\@tempboxa\hbox{%
18551     #1\relax
18552     \let\@footnotetext\TX@trial@ftn
18553     \let\@LTRfootnotetext\TX@trial@ftn
18554     \let\@RTLfootnotetext\TX@trial@ftn
18555     \let\TX@vwarn\@empty
18556     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18557     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18558     \def\write{\begingroup
18559       \def\let{\afterassignment\endgroup\toks@}%
18560       \afterassignment\let\count@}%
18561     \hbadness\@M
18562     \hfuzz\maxdimen
18563     \let\hbadness\@tempcnta

```



```

18564 \let\hfuzz\@tempdima
18565 \expandafter\tabular\the\toks@
18566 \endtabular}%
18567 \TX@ckpt
18568 \TX@typeout@{\@spaces
18569 \expandafter\TX@align
18570 \the\wd\@tempboxa\space\space\space\space\space\@@
18571 \expandafter\TX@align
18572 \the\TX@colwidth\space\space\space\space\space\@@
18573 \@spaces\the\TX@cols}}
18574
18575 \long\def\TX@LTRftntext#1{%
18576 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18577 [\the\csname c@\@mpfn\endcsname]}}%
18578 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18579 \long\def\TX@xLTRftntext[#1]#2{%
18580 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18581
18582 \long\def\TX@RTLftntext#1{%
18583 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18584 [\the\csname c@\@mpfn\endcsname]}}%
18585 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18586 \long\def\TX@xRTLftntext[#1]#2{%
18587 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

114 File tabulary-xetex-bidi.def

```

18588 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18589 \def\@testpach{\@chclass
18590 \ifnum \@lastchclass=6 \one \@chnum \one \else
18591 \ifnum \@lastchclass=7 5 \else
18592 \ifnum \@lastchclass=8 \tw@ \else
18593 \ifnum \@lastchclass=9 \thr@@
18594 \else \z@
18595 \ifnum \@lastchclass = 10 \else
18596 \edef\@nextchar{\expandafter\string\@nextchar}%
18597 \@chnum
18598 \if \@nextchar c\z@ \else
18599 \if \@nextchar \if@RTLtab r\else l\fi\one \else
18600 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18601 \if \@nextchar C7 \else
18602 \if \@nextchar L8 \else
18603 \if \@nextchar R9 \else
18604 \if \@nextchar J10 \else
18605 \z@ \@chclass
18606 \if\@nextchar |\@one \else
18607 \if \@nextchar !6 \else
18608 \if \@nextchar @7 \else
18609 \if \@nextchar <8 \else
18610 \if \@nextchar >9 \else

```



```

18611 10
18612 \@chnum
18613 \if \@nextchar m\thr@@\else
18614 \if \@nextchar p4 \else
18615 \if \@nextchar b5 \else
18616 \z@\@chclass \z@\@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
18617 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

115 File tc-xetex-bidi.def

```

18618 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18619 \def\@cliptoboxdim#1{%
18620     \setbox#1=\hbox{%
18621         \Gin@defaultbp\WIDTH{\wd#1}%
18622         \Gin@defaultbp\DEPTH{\dp#1}%
18623         \@tempdima\ht#1%
18624         \advance\@tempdima\dp#1%
18625         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18626         \beginL\special{pdf:bcontent }%
18627         \special{%
18628             pdf:literal direct
18629             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18630         }%
18631         \special{pdf:literal direct W }%
18632         \special{pdf:literal direct n }%
18633         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18634         \special{pdf:econtent }\endL%
18635     }%
18636 }

```

116 File tcolorbox-xetex-bidi.def

```

18637 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]
18638 \let\endtcbl@rbox=\endminipage
18639 \let\endtcbl@savebox=\endtcbl@rbox
18640
18641 \bidi@patchcmd{\tcb@vbox}{\%
18642   \let\@footnotetext\@mpfootnotetext%
18643 }{\%
18644   \let\@footnotetext\@mpfootnotetext%
18645   \let\@LTRfootnotetext\@mplTRfootnotetext%
18646   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18647 }{}{}
18648
18649 \bidi@patchcmd{\endtcbl@vbox}{\%
18650   \footnoterule%
18651 }{\%
18652   \bidi@mpfootnoterule%
18653 }{}{}

```



117 File titlesec-xetex-bidi.def

```
18654 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18655 \renewcommand\filright{%
18656   \gdef\ttl@filleft##1{\hskip##1}%
18657   \gdef\ttl@filright##1{\hfill}%
18658   \let\\\@centercr
18659   \advance\rightskip\z@ \@plus 1fil
18660   \parfillskip\z@}
18661 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18662   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18663   \setlength\leftskip{#6}%
18664   \setlength\rightskip{#7}%
18665   \interlinepenalty\@M
18666   \ttl@change@centercr
18667   \ttl@beginlongest
18668   #1{\ifhmode\ttl@hmode@error\fi
18669     \ttl@glcmds
18670     \parindent\z@
18671     \leavevmode
18672     \begingroup
18673     \ifttl@label
18674       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18675       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18676       \llap{\box\z@}%
18677     \fi
18678     #4{#8}%
18679     \kern\z@\strut\@@par
18680   \endgroup
18681   \nobreak\ttl@midlongest#5\@@par}%
18682 \ttl@endlongest}
```

118 File titletoc-xetex-bidi.def

```
18683 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18684 \renewcommand\filright{%
18685   \gdef\ttl@filleft##1{\hskip##1}%
18686   \gdef\ttl@filright##1{\hfill}%
18687   \let\\\@centercr
18688   \advance\rightskip\z@ \@plus 1fil
18689   \parfillskip\z@}
18690 \renewcommand\contentspush[1]{%
18691   \sbox\z@{#1}%
18692   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18693   \aftergroup\ttl@b
18694   \leavevmode\llap{\box\z@}}
18695 \def\ttl@outnoblock#1#2#3{%
18696   \begingroup
18697   \ifnum\ttl@b>\ttl@a
18698     \nobreak
```



```

18699 \else\ifnum\ttl@b<\ttl@a
18700 \addpenalty{\@secpenalty}%
18701 \else
18702 \addpenalty{\z@}%
18703 \fi\fi
18704 \ttl@contentsstretch
18705 \nobreak
18706 \ifcase#1\relax\else\interlinepenalty\@M\fi
18707 \parindent\z@
18708 \ifx\@nil#2%
18709 \PackageError{titletoc}{Unimplemented}%
18710 {The optional argument is currently mandatory}%
18711 \else
18712 \if@RTL\setlength\rightskip{#2}\else
18713 \setlength\leftskip{#2}\fi%
18714 \fi
18715 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18716 \let\contentsmargin\ttl@margin
18717 \def\ttl@makeline##1{##1}%
18718 #3%
18719 \addtolength{\parfillskip}{-\ttl@corr}%
18720 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18721 \let\ttl@leaders\leaders}
18722 \renewcommand\ttl@margin[2][\z@]{%
18723 \def\ttl@corr{#1}%
18724 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18725 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18726 \def\@pnumwidth{#2}}
18727 \let\ttl@savel@part\l@part
18728 \def\l@part{\ttl@lselect{part}}
18729
18730 \let\ttl@savel@chapter\l@chapter
18731 \def\l@chapter{\ttl@lselect{chapter}}

```

119 File tocbibind-xetex-bidi.def

```

18732 \ProvidesFile{tocabibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18733 \if@dotocbib
18734 \@ifpackageloaded{natbib}{\% natbib not loaded
18735 \renewcommand{\bibsection}{\t@cb@bchapsec}
18736 \renewenvironment{thebibliography}[1]{%
18737 \bibsection
18738 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}{
18739 \renewenvironment{thebibitemlist}[1]{
18740 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18741 \bidi@@thebibliography@font@hook%
18742 \list{\@biblabel{\@arabic{c@enumiv}}}%
18743 {\settowidth\labelwidth{\@biblabel{#1}}%
18744 \leftmargin\labelwidth
18745 \advance\leftmargin\labelsep

```



```

18746         \@openbib@code
18747         \usecounter{enumiv}%
18748         \let\p@enumiv\@empty
18749         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18750     \sloppy
18751     \clubpenalty4000
18752     \@clubpenalty \clubpenalty
18753     \widowpenalty4000%
18754     \sfcode\.\@m}
18755     {\def\@noitemerr
18756       {\@latex@warning{Empty `thebibliography' environment}}}%
18757     \endlist}
18758
18759     \ifpackagewith{chapterbib}{sectionbib}%
18760       {\renewcommand{\sectionbib}[2]{}}%
18761       {}
18762
18763 \fi
18764 \if@inltxdoc\else
18765   \renewenvironment{theindex}%
18766     {\if@twocolumn
18767       \@restonecolfalse
18768       \else
18769         \@restonecoltrue
18770       \fi
18771     \if@bibchapter
18772       \if@donumindex
18773         \refstepcounter{chapter}
18774         \twocolumn[\vspace*{2\topskip}%
18775           \@makechapterhead{\indexname}}%
18776         \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18777         \chaptermark{\indexname}
18778       \else
18779         \if@dotocind
18780           \twocolumn[\vspace*{2\topskip}%
18781             \@makeschapterhead{\indexname}}%
18782           \prw@mkboth{\indexname}
18783           \addcontentsline{toc}{chapter}{\indexname}
18784         \else
18785           \twocolumn[\vspace*{2\topskip}%
18786             \@makeschapterhead{\indexname}}%
18787           \prw@mkboth{\indexname}
18788         \fi
18789       \fi
18790     \else
18791       \if@donumindex
18792         \twocolumn[\vspace*{-1.5\topskip}%
18793           \@nameuse{\@tocextra}{\indexname}}%
18794         \csname \@tocextra mark\endcsname{\indexname}
18795       \else

```



```

18796         \if@dotocind
18797             \twocolumn[\vspace*{-1.5\topskip}%
18798                 \toc@headstar{\@tocextra}{\indexname}]]%
18799             \prw@mkboth{\indexname}
18800             \addcontentsline{toc}{\@tocextra}{\indexname}
18801         \else
18802             \twocolumn[\vspace*{-1.5\topskip}%
18803                 \toc@headstar{\@tocextra}{\indexname}]]%
18804             \prw@mkboth{\indexname}
18805         \fi
18806     \fi
18807     \fi
18808     \thispagestyle{plain}\parindent\z@
18809     \parskip\z@ \@plus .3\p@\relax
18810     \let\item\@idxitem}
18811     {\if@restonecol\onecolumn\else\clearpage\fi}
18812 \fi

```

120 File tocloft-xetex-bidi.def

```

18813 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18814 \let\cftdot\@SepMark
18815 \if@cfthaspart
18816 \renewcommand*{\l@part}[2]{
18817     \@cftdopartfalse
18818     \ifnum \c@tocdepth >-2\relax
18819         \if@cfthaschapter
18820             \@cftdoparttrue
18821         \fi
18822         \ifnum \c@tocdepth >\m@ne
18823             \if@cfthaschapter\else
18824                 \@cftdoparttrue
18825             \fi
18826         \fi
18827     \fi
18828     \if@cftdopart
18829         \if@cfthaschapter
18830             \addpenalty{-\@highpenalty}
18831         \else
18832             \addpenalty\@secpenalty
18833         \fi
18834         \addvspace{\cftbeforepartskip}
18835         \begingroup
18836             {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
18837                 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18838                 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18839                 \parindent \cftpartindent\relax\@afterindenttrue
18840                 \interlinepenalty\@M
18841                 \leavevmode
18842                 \@tempdima \cftpartnumwidth\relax

```



```

18843 \let\@cftbsnum \cftpartpresnum
18844 \let\@cftasnum \cftpartaftersnum
18845 \let\@cftasnumb \cftpartaftersnumb
18846 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18847 {\cftpartfont \cftpartpresnum #1}
18848 \cftpartfillnum{#2}}
18849 \nobreak
18850 \if@cfthaschapter
18851 \global\@nobreaktrue
18852 \everypar{\global\@nobreakfalse\everypar{}}
18853 \else
18854 \if@compatibility
18855 \global\@nobreaktrue
18856 \everypar{\global\@nobreakfalse\everypar{}}
18857 \fi
18858 \fi
18859 \endgroup
18860 \fi}
18861 \fi
18862 \if@cfthaschapter
18863 \renewcommand*{\l@chapter}[2]{
18864 \ifnum \c@tocdepth >\m@ne
18865 \addpenalty{-\@highpenalty}
18866 \vskip \cftbeforechapskip
18867 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
18868 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18869 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18870 \parindent \cftchapindent\relax\@afterindenttrue
18871 \interlinepenalty\@M
18872 \leavevmode
18873 \@tempdima \cftchapnumwidth\relax
18874 \let\@cftbsnum \cftchappresnum
18875 \let\@cftasnum \cftchapaftersnum
18876 \let\@cftasnumb \cftchapaftersnumb
18877 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18878 {\cftchapfont #1}\nobreak
18879 \cftchapfillnum{#2}}
18880 \fi}
18881 \fi
18882 \renewcommand*{\l@section}[2]{%
18883 \ifnum \c@tocdepth >\z@
18884 \if@cfthaschapter
18885 \vskip \cftbeforesecskip
18886 \else
18887 \addpenalty\@secpenalty
18888 \addvspace{\cftbeforesecskip}
18889 \fi
18890 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
18891 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18892 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

18893 \parindent \cftsecindent\relax\@afterindenttrue
18894 \interlinepenalty\@M
18895 \leavevmode
18896 \@tempdima \cftsecnumwidth\relax
18897 \let\@cftbsnum \cftsecpresnum
18898 \let\@cftasnum \cftsecaftersnum
18899 \let\@cftasnumb \cftsecaftersnumb
18900 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18901 {\cftsecfont #1}\nobreak
18902 \cftsecfillnum{#2}}
18903 \fi}
18904 \renewcommand*{\l@section}[2]{%
18905 \ifnum \c@tocdepth >\@ne
18906 \vskip \cftbeforesubsecskip
18907 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
18908 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18909 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18910 \parindent \cftsubsecindent\relax\@afterindenttrue
18911 \interlinepenalty\@M
18912 \leavevmode
18913 \@tempdima \cftsubsecnumwidth\relax
18914 \let\@cftbsnum \cftsubsecpresnum
18915 \let\@cftasnum \cftsubsecaftersnum
18916 \let\@cftasnumb \cftsubsecaftersnumb
18917 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18918 {\cftsubsecfont #1}\nobreak
18919 \cftsubsecfillnum{#2}}
18920 \fi}
18921 \renewcommand*{\l@subsubsection}[2]{%
18922 \ifnum \c@tocdepth >\tw@
18923 \vskip \cftbeforesubsubsecskip
18924 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
18925 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18926 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18927 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18928 \interlinepenalty\@M
18929 \leavevmode
18930 \@tempdima \cftsubsubsecnumwidth\relax
18931 \let\@cftbsnum \cftsubsubsecpresnum
18932 \let\@cftasnum \cftsubsubsecaftersnum
18933 \let\@cftasnumb \cftsubsubsecaftersnumb
18934 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18935 {\cftsubsubsecfont #1}\nobreak
18936 \cftsubsubsecfillnum{#2}}
18937 \fi}
18938 \renewcommand*{\l@paragraph}[2]{%
18939 \ifnum \c@tocdepth >3\relax
18940 \vskip \cftbeforeparaskip
18941 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
18942 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

18943 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18944 \parindent \cftpargin\relax\@afterindenttrue
18945 \interlinepenalty\@M
18946 \leavevmode
18947 \@tempdima \cftpargnumwidth\relax
18948 \let\@cftbsnum \cftpargpresnum
18949 \let\@cftasnum \cftpargaftersnum
18950 \let\@cftasnumb \cftpargaftersnumb
18951 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18952 {\cftpargfont #1}\nobreak
18953 \cftpargfillnum{#2}}
18954 \fi}
18955 \renewcommand*{\l@subparagraph}[2]{%
18956 \ifnum \c@tocdepth >4\relax
18957 \vskip \cftbeforesubparskip
18958 {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
18959 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18960 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18961 \parindent \cftsubparindent\relax\@afterindenttrue
18962 \interlinepenalty\@M
18963 \leavevmode
18964 \@tempdima \cftsubparnumwidth\relax
18965 \let\@cftbsnum \cftsubparapresnum
18966 \let\@cftasnum \cftsubparaaftersnum
18967 \let\@cftasnumb \cftsubparaaftersnumb
18968 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18969 {\cftsubparafont #1}\nobreak
18970 \cftsubparafillnum{#2}}
18971 \fi}
18972 \renewcommand*{\l@figure}[2]{%
18973 \ifnum \c@lofdepth >\z@
18974 \vskip \cftbeforefigskip
18975 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18976 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18977 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18978 \parindent \cftfigindent\relax\@afterindenttrue
18979 \interlinepenalty\@M
18980 \leavevmode
18981 \@tempdima \cftfignumwidth\relax
18982 \let\@cftbsnum \cftfigpresnum
18983 \let\@cftasnum \cftfigaftersnum
18984 \let\@cftasnumb \cftfigaftersnumb
18985 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18986 {\cftfigfont #1}\nobreak
18987 \cftfigfillnum{#2}}
18988 \fi
18989 }
18990 \renewcommand*{\l@table}[2]{%
18991 \ifnum \c@lotdepth >\z@
18992 \vskip \cftbeforetabskip

```



```

18993 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
18994 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18995 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18996 \parindent \cfttabindent\relax\@afterindenttrue
18997 \interlinepenalty\@M
18998 \leavevmode
18999 \@tempdima \cfttabnumwidth\relax
19000 \let\@cftbsnum \cfttabpresnum
19001 \let\@cftasnum \cfttabaftersnum
19002 \let\@cftasnumb \cfttabaftersnumb
19003 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19004 {\cfttabfont #1}\nobreak
19005 \cfttabfillnum{#2}}
19006 \fi
19007 }
19008 \renewcommand{\@cftl@subfig}{
19009 \renewcommand*{\l@subfigure}[2]{%
19010 \ifnum \c@lofdepth > \toclevel@subfigure
19011 \vskip \cftbeforesubfigskip
19012 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
19013 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19014 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19015 \parindent \cftsubfigindent\relax\@afterindenttrue
19016 \interlinepenalty\@M
19017 \leavevmode
19018 \@tempdima \cftsubfignumwidth\relax
19019 \let\@cftbsnum \cftsubfigpresnum
19020 \let\@cftasnum \cftsubfigaftersnum
19021 \let\@cftasnumb \cftsubfigaftersnumb
19022 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
19023 {\cftsubfigfont ##1}\nobreak
19024 \cftsubfigfillnum{##2}}
19025 \fi
19026 }
19027 }
19028 \renewcommand{\@cftl@subtab}{
19029 \renewcommand*{\l@subtable}[2]{%
19030 \ifnum \c@lotdepth > \toclevel@subtable
19031 \vskip \cftbeforesubtabskip
19032 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubtabindent\relax
19033 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19034 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19035 \parindent \cftsubtabindent\relax\@afterindenttrue
19036 \interlinepenalty\@M
19037 \leavevmode
19038 \@tempdima \cftsubtabnumwidth\relax
19039 \let\@cftbsnum \cftsubtabpresnum
19040 \let\@cftasnum \cftsubtabaftersnum
19041 \let\@cftasnumb \cftsubtabaftersnumb
19042 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright

```




```

19043     {\cftsubtabfont ##1}\nobreak
19044     \cftsubtabfillnum{##2}}
19045   \fi
19046 }
19047 }
19048 \renewcommand{\newlistentry}[4][\@empty]{%
19049   \@ifundefined{c@#2}{%      check & set the counter
19050     \ifx \@empty#1\relax
19051       \newcounter{#2}
19052     \else
19053       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19054         {#1 has no counter for use as a `within'}
19055         \newcounter{#2}}%
19056       {\newcounter{#2}[#1]%
19057         \expandafter\edef\csname the#2\endcsname{%
19058           \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19059     \fi
19060     \setcounter{#2}{0}
19061   }
19062   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19063 }
19064 \@namedef{l@#2}##1##2{%
19065   \ifnum \@nameuse{c@#3depth} > #4\relax
19066     \vskip \@nameuse{cftbefore#2skip}
19067     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19068     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19069     \parfillskip -\if@RTL\leftskip\else\righskip\fi
19070     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19071     \interlinepenalty\@M
19072     \leavevmode
19073     \@tempdima \@nameuse{cft#2numwidth}\relax
19074     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19075     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19076     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19077     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
19078     {\@nameuse{cft#2font}##1}\nobreak
19079     \@nameuse{cft#2fillnum}{##2}}
19080   \fi
19081 } % end of l@#2
19082
19083 \expandafter\newlength\csname cftbefore#2skip\endcsname
19084 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19085 \expandafter\newlength\csname cft#2indent\endcsname
19086 \expandafter\newlength\csname cft#2numwidth\endcsname
19087 \ifcase #4\relax % 0
19088   \setlength{\@nameuse{cft#2indent}}{0em}
19089   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19090 \or % 1
19091   \setlength{\@nameuse{cft#2indent}}{1.5em}
19092   \setlength{\@nameuse{cft#2numwidth}}{2.3em}

```



```

19093 \or % 2
19094 \setlength{\@nameuse{cft#2indent}}{3.8em}
19095 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19096 \or % 3
19097 \setlength{\@nameuse{cft#2indent}}{7.0em}
19098 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19099 \else % anything else
19100 \setlength{\@nameuse{cft#2indent}}{10.0em}
19101 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19102 \fi
19103 \@namedef{cft#2font}{\normalfont}
19104 \@namedef{cft#2presnum}{\}
19105 \@namedef{cft#2aftersnum}{\}
19106 \@namedef{cft#2aftersnumb}{\}
19107 \@namedef{cft#2dotsep}{\cftdotsep}
19108 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19109 \@namedef{cft#2pagefont}{\normalfont}
19110 \@namedef{cft#2afterpnum}{\}
19111 \@namedef{toclevel@#2}{#4}
19112 \@namedef{cft#2fillnum}##1{%
19113 \{\@nameuse{cft#2leader}\nobreak
19114 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19115 } % end \newlistentry
19116 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19117 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19118 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19119 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19120 \textit{#1}\protect\par}}}}

```

121 File tocbasic-xetex-bidi.def

```

19121 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19122 \bidi@undef\scr@dte@def@1@undottedtocline
19123 \bidi@undef\scr@dte@undottedtocline@init
19124 \DeclareTOCEntryStyle{undottedtocline}[{%
19125 \DefineTOCEntryLengthOption{indent}%
19126 {\scr@tso@}{@indent}{entry indent}%
19127 \DefineTOCEntryLengthOption{numwidth}%
19128 {\scr@tso@}{@numwidth}{entry number width}%
19129 \@ifundefined{#1tocdepth}{%
19130 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19131 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19132 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19133 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19134 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19135 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19136 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19137 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19138 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19139 \expandafter\let\csname #1tocdepth\expandafter\endcsname

```



```

19140             \csname #1numdepth\endcsname
19141         }%
19142     }%
19143 }%
19144 }%
19145 }%
19146 }%
19147 }%
19148 }%
19149 }%
19150 }{}%
19151 \@ifundefined{scr@tso@#1@indent}{%
19152     \@ifundefined{scr@#1@tocindent}{%
19153         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19154             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19155                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19156                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19157                         \scr@ifundefinedorrelax{l@chapter}{%
19158                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19159                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19160                                     \ifstr{#1}{subsubsection}{%
19161                                         \@namedef{scr@tso@#1@indent}{3.8em}%
19162                                     }{%
19163                                         \ifstr{#1}{paragraph}{%
19164                                             \@namedef{scr@tso@#1@indent}{7em}%
19165                                         }{%
19166                                             \ifstr{#1}{subparagraph}{%
19167                                                 \@namedef{scr@tso@#1@indent}{10em}%
19168                                             }{%
19169                                                 }%
19170                                             }%
19171                                         }%
19172                                     }%
19173                                 }%
19174                             }{%
19175                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19176                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19177                                         \ifstr{#1}{subsubsection}{%
19178                                             \@namedef{scr@tso@#1@indent}{7.0em}%
19179                                         }{%
19180                                             \ifstr{#1}{paragraph}{%
19181                                                 \@namedef{scr@tso@#1@indent}{10em}%
19182                                             }{%
19183                                                 \ifstr{#1}{subparagraph}{%
19184                                                     \@namedef{scr@tso@#1@indent}{12em}%
19185                                                 }{%
19186                                                     }%
19187                                                 }%
19188                                             }%
19189                                         }%

```



```

19190         }%
19191     }%
19192 }%
19193     }%
19194 }%
19195     }%
19196 }{%
19197     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19198 }%
19199 }{%}%
19200 \@ifundefined{scr@tso@#1@numwidth}{%
19201     \@ifundefined{scr@#1@tocnumwidth}{%
19202         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19203             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19204                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19205                     \scr@ifundefinedorrelax{chapter}{%
19206                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19207                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19208                                 \ifstr{#1}{subsubsection}{%
19209                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19210                                 }{%
19211                                     \ifstr{#1}{paragraph}{%
19212                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19213                                     }{%
19214                                         \ifstr{#1}{subparagraph}{%
19215                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19216                                         }{%
19217                                             }%
19218                                         }%
19219                                     }%
19220                                 }%
19221                             }%
19222                         }{%
19223                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19224                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19225                                     \ifstr{#1}{subsubsection}{%
19226                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19227                                     }{%
19228                                         \ifstr{#1}{paragraph}{%
19229                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19230                                         }{%
19231                                             \ifstr{#1}{subparagraph}{%
19232                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
19233                                             }{%
19234                                                 }%
19235                                             }%
19236                                         }%
19237                                     }%
19238                                 }%
19239                             }%

```



```

19240         }%
19241     }%
19242 }%
19243 }{%
19244     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19245 }%
19246 }{}%
19247 }]{%
19248     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19249         \ifnum \@nameuse{#1tocdepth}<\@ne
19250             \scr@ifundefinedorrelax{chapter}{%
19251                 \addpenalty\@secpenalty
19252                 \addvspace{1.0em \@plus\p@}%
19253             }{%
19254                 \addpenalty{-\@highpenalty}%
19255                 \vskip 1.0em \@plus\p@
19256             }%
19257         \else
19258             \addpenalty\@secpenalty
19259             \addvspace{1.0em \@plus\p@}%
19260         \fi
19261         \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19262         \begingroup
19263             \parindent \z@ \bidi@rightskip \@pnumwidth
19264             \parfillskip -\@pnumwidth
19265             \leavevmode
19266             \bfseries
19267             \advance\bidi@leftskip\@tempdima
19268             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19269             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19270             ##1%
19271             \nobreak
19272             \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19273             \par
19274             \penalty\@highpenalty
19275         \endgroup
19276     \fi
19277 }
19278
19279 \bidi@undef\scr@dte@def@l@largetocline
19280 \bidi@undef\scr@dte@largetocline@init
19281 \DeclareTOCEntryStyle{largetocline}{%
19282     \DefineTOCEntryLengthOption{indent}%
19283     {scr@tso@}{@indent}{entry indent}%
19284     \@ifundefined{#1tocdepth}{%
19285         \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19286             \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19287                 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19288                     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19289                         \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%

```



```

19290 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19291 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19292 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19293 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19294 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19295 \csname #1numdepth\endcsname
19296 }%
19297 }%
19298 }%
19299 }%
19300 }%
19301 }%
19302 }%
19303 }%
19304 }%
19305 }{}%
19306 \@ifundefined{scr@tso@#1@indent}{%
19307 \@ifundefined{scr@#1@tocindent}{%
19308 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19309 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19310 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19311 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19312 \scr@ifundefinedorrelax{1@chapter}{%
19313 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19314 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19315 \ifstr{#1}{subsubsection}{%
19316 \@namedef{scr@tso@#1@indent}{3.8em}%
19317 }%
19318 \ifstr{#1}{paragraph}{%
19319 \@namedef{scr@tso@#1@indent}{7em}%
19320 }%
19321 \ifstr{#1}{subparagraph}{%
19322 \@namedef{scr@tso@#1@indent}{10em}%
19323 }%
19324 }%
19325 }%
19326 }%
19327 }%
19328 }%
19329 }{}%
19330 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19331 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19332 \ifstr{#1}{subsubsection}{%
19333 \@namedef{scr@tso@#1@indent}{7.0em}%
19334 }%
19335 \ifstr{#1}{paragraph}{%
19336 \@namedef{scr@tso@#1@indent}{10em}%
19337 }%
19338 \ifstr{#1}{subparagraph}{%
19339 \@namedef{scr@tso@#1@indent}{12em}%

```



```

19340         }{%
19341       }%
19342     }%
19343   }%
19344 }%
19345 }%
19346 }%
19347 }%
19348 }%
19349 }%
19350 }%
19351 }{%
19352   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19353 }%
19354 }{%
19355 }{%
19356   \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19357     \ifnum \@nameuse{#1tocdepth}<\@ne
19358       \scr@ifundefinedorrelax{chapter}{%
19359         \addpenalty\@secpenalty
19360         \addvspace{2.25em \@plus\p@}%
19361       }{%
19362         \addpenalty{-\@highpenalty}%
19363         \addvspace{2.25em \@plus\p@}%
19364       }%
19365     \else
19366       \addpenalty\@secpenalty
19367       \addvspace{2.25em \@plus\p@}%
19368     \fi
19369     \setlength\@tempdima{3em}%
19370     \begingroup
19371       \parindent \z@ \bidi@rightskip \@pnumwidth
19372       \parfillskip -\@pnumwidth
19373       \leavevmode
19374       \large
19375       \bfseries
19376       \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19377       ##1%
19378       \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19379       \par
19380       \nobreak
19381       \ifnum 0=
19382         \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19383         \global\@nobreaktrue
19384         \everypar{\global\@nobreakfalse\everypar{}}%
19385       \fi
19386     \endgroup
19387   \fi
19388 }
19389

```



```

19390 \renewcommand*{\scr@dte@tocline}[3]{%
19391   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19392   \else
19393     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19394     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19395     {%
19396       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19397       \bidi@rightskip \@tocrmarg
19398       \parfillskip -\bidi@rightskip
19399       \@nameuse{Ifscr@tso@#1@raggedpage}{%
19400         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19401       }{}%
19402       \parindent \@nameuse{scr@tso@#1@indent}\relax
19403       \@afterindenttrue
19404       \interlinepenalty\@M
19405       \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19406         \addtolength\bidi@rightskip\@flushglue
19407       \else
19408         \def\reserved@a{\raggedright}%
19409         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19410         \addtolength\bidi@rightskip\@flushglue
19411       \else
19412         \renewcommand\reserved@a{\raggedright}%
19413         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19414         \addtolength\bidi@rightskip\@flushglue
19415       \fi
19416     \fi
19417   \fi
19418   \leavevmode
19419   \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19420   \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19421     \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19422       \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19423       \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19424     \fi
19425   }{}%
19426   \advance\bidi@leftskip \@tempdima
19427   \null\nobreak\hskip -\bidi@leftskip
19428   {%
19429     \usetocbasicnumberline
19430     \let\scr@dte@numberline@box\numberline@box
19431     \def\numberline@box##1{%
19432       \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19433     \global\scr@dte@tocline@numberwidth
19434     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19435     \ifdim \scr@dte@tocline@numberwidth
19436       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19437     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19438   \fi
19439

```




```

19440 \nameuse{Ifscr@tso@#1@dynnumwidth}}{%
19441 \ifdim \scr@dte@tocline@numberwidth
19442 >\dimexpr \nameuse{scr@tso@#1@numwidth}%
19443 +\nameuse{scr@tso@#1@numsep}\relax
19444 \PackageWarning{tocbasic%
19445 }{%
19446 number width of #1 toc entries should be
19447 increased!\MessageBreak
19448 Currently used number width =
19449 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19450 Wanted number separation
19451 \space\space\space =
19452 \the\dimexpr\nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19453 Reserved number width \space\space\space\space\space =
19454 \the\dimexpr\nameuse{scr@tso@#1@numwidth}\relax%
19455 }%
19456 \fi
19457 }%
19458 \scr@dte@numberline@box{\nameuse{scr@tso@#1@numberformat}}{##1}}%
19459 \nameuse{Ifscr@tso@#1@breakafternumber}}{%
19460 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19461 }{}%
19462 }%
19463 \nameuse{scr@tso@#1@entryformat}}{%
19464 #2%
19465 \nobreak
19466 {%
19467 \normalfont\normalsize\nameuse{scr@tso@#1@linefill}}%
19468 \nobreak
19469 \nameuse{scr@tso@#1@pagenumberbox}}{%
19470 \nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19471 }%
19472 }%
19473 \@par
19474 }%
19475 }%
19476 }%
19477 \tocbasic@SetPenaltyByTOCLevel{#1}%
19478 \fi
19479 }
19480
19481 \bidi@undef\scr@dte@def@1@tocline
19482 \bidi@undef\scr@dte@tocline@init
19483 \DeclareTOCEntryStyle{tocline}{{%
19484 \DefineTOCEntryLengthOption{beforeskip}}%
19485 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19486 \DefineTOCEntryIfOption{breakafternumber}%
19487 {scr@tso@}{@breakafternumber}{line break after number flag}%
19488 \DefineTOCEntryIfOption{dynnumwidth}%
19489 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%

```



```

19490 \DefineTOCEntryCommandOption{entryformat}%
19491   {scr@tso@}{@entryformat}[1]{entry format}%
19492 \DefineTOCEntryCommandOption{entrynumberformat}%
19493   {scr@tso@}{@numberformat}[1]{entry number format}%
19494 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19495   {scr@tso@}{@linefill}{filling between text and page number}%
19496 \DefineTOCEntryLengthOption{numsep}%
19497   {scr@tso@}{@numsep}{entry number separation}%
19498 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19499   {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19500 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19501   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19502 \DefineTOCEntryCommandOption{onstartsamelevel}%
19503   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19504 \DefineTOCEntryCommandOption{pagenumberbox}%
19505   {scr@tso@}{@pagenumberbox}[1]{page number box}%
19506 \DefineTOCEntryCommandOption{pagenumberformat}%
19507   {scr@tso@}{@pagenumberformat}[1]{page number format}%
19508 \DefineTOCEntryOption{raggedentrytext}[true]{%
19509   \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19510   \ifx\FamilyKeyState\FamilyKeyStateProcessed
19511     \if@tempswa
19512       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19513       \raggedright
19514     \else
19515       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19516       \relax
19517     \fi
19518   \fi
19519 }%
19520 \DefineTOCEntryIfOption{raggedpagenumber}%
19521   {scr@tso@}{@raggedpage}{page number ragged flag}%
19522 \DefineTOCEntryLengthOption{indent}%
19523   {scr@tso@}{@indent}{entry indent}%
19524 \DefineTOCEntryLengthOption{numwidth}%
19525   {scr@tso@}{@numwidth}{entry number width}%
19526 \scr@ifundefinedorrelax{#1tocdepth}{%
19527   \ifstrstart{#1}{sub}{%
19528     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19529       \expandafter\edef\csname #1tocdepth\endcsname{%
19530         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19531       }%
19532     }%
19533   }-{}%
19534 }{}%
19535 \@ifundefined{#1tocdepth}{%
19536   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19537     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19538       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19539         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%

```



```

19540 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19541 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19542 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19543 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19544 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19545 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19546 \csname #1numdepth\endcsname
19547 }%
19548 }%
19549 }%
19550 }%
19551 }%
19552 }%
19553 }%
19554 }%
19555 }%
19556 }{}%
19557 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19558 \@ifundefined{scr@#1@tocindent}{%
19559 \ifstrstart{#1}{sub}{%
19560 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19561 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19562 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19563 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19564 \relax
19565 }%
19566 }%
19567 }{%
19568 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19569 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19570 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19571 \relax
19572 }%
19573 }{%
19574 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19575 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19576 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19577 \relax
19578 }%
19579 }%
19580 }%
19581 }{}%
19582 }{%
19583 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19584 }%
19585 }{}%
19586 \@ifundefined{scr@tso@#1@indent}{%
19587 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19588 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19589 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%

```



```

19590 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19591 \scr@ifundefinedorrelax{1@chapter}{%
19592 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19593 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19594 \ifstr{#1}{subsubsection}{%
19595 \@namedef{scr@tso@#1@indent}{3.8em}%
19596 }{%
19597 \ifstr{#1}{paragraph}{%
19598 \@namedef{scr@tso@#1@indent}{7em}%
19599 }{%
19600 \ifstr{#1}{subparagraph}{%
19601 \@namedef{scr@tso@#1@indent}{10em}%
19602 }{%
19603 }%
19604 }%
19605 }%
19606 }%
19607 }%
19608 }{%
19609 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19610 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19611 \ifstr{#1}{subsubsection}{%
19612 \@namedef{scr@tso@#1@indent}{7.0em}%
19613 }{%
19614 \ifstr{#1}{paragraph}{%
19615 \@namedef{scr@tso@#1@indent}{10em}%
19616 }{%
19617 \ifstr{#1}{subparagraph}{%
19618 \@namedef{scr@tso@#1@indent}{12em}%
19619 }{%
19620 }%
19621 }%
19622 }%
19623 }%
19624 }%
19625 }%
19626 }%
19627 }%
19628 }%
19629 }%
19630 }{}%
19631 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19632 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19633 \ifstrstart{#1}{sub}{%
19634 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19635 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19636 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19637 +.9em%
19638 \relax
19639 }%

```



```

19640     }%
19641   }{}%
19642 }{%
19643   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19644 }%
19645 }{}%
19646 \@ifundefined{scr@tso@#1@numwidth}{%
19647   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19648     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19649       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19650         \scr@ifundefinedorrelax{chapter}{%
19651           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19652             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19653               \ifstr{#1}{subsubsection}{%
19654                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19655               }{%
19656                 \ifstr{#1}{paragraph}{%
19657                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
19658                 }{%
19659                   \ifstr{#1}{subparagraph}{%
19660                     \@namedef{scr@tso@#1@numwidth}{5em}%
19661                   }{%
19662                     }%
19663                   }%
19664                 }%
19665               }%
19666             }%
19667           }{}%
19668         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19669           \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19670             \ifstr{#1}{subsubsection}{%
19671               \@namedef{scr@tso@#1@numwidth}{3.1em}%
19672             }{%
19673               \ifstr{#1}{paragraph}{%
19674                 \@namedef{scr@tso@#1@numwidth}{5em}%
19675               }{%
19676                 \ifstr{#1}{subparagraph}{%
19677                   \@namedef{scr@tso@#1@numwidth}{6em}%
19678                 }{%
19679                   }%
19680                 }%
19681               }%
19682             }%
19683           }%
19684         }%
19685       }%
19686     }%
19687   }%
19688 }{}%
19689 \expandafter\renewcommand%

```



```

19690 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19691 \expandafter\renewcommand%
19692 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19693 \expandafter\renewcommand%
19694 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19695 \@ifundefined{scr@tso@#1@beforeskip}{%
19696   \ifstr{#1}{part}{%
19697     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19698   }{%
19699     \ifstr{#1}{chapter}{%
19700       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19701     }{%
19702       \ifstr{#1}{section}{%
19703         \scr@ifundefinedorrelax{1@chapter}{%
19704           \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19705         }{}%
19706       }{}%
19707     }%
19708   }%
19709   \expandafter\renewcommand\expandafter*%
19710   \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19711 }{}%
19712 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19713   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19714   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19715 }{}%
19716 \renewcommand*{\scr@dte@donumwidth}{}%
19717 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19718 \expandafter\renewcommand\expandafter*%
19719 \csname scr@tso@#1@numsep\endcsname{.4em}%
19720 \expandafter\renewcommand%
19721 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19722 \ifstr{#1}{part}{%
19723   \expandafter\renewcommand%
19724   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19725 }{%
19726   \ifstr{#1}{chapter}{%
19727     \expandafter\renewcommand%
19728     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19729   }{%
19730     \scr@ifundefinedorrelax{1@chapter}{%
19731       \ifstr{#1}{section}{%
19732         \expandafter\renewcommand%
19733         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19734       }{}%
19735     }{}%
19736     \expandafter\renewcommand%
19737     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19738   }%
19739 }%

```



```

19740 \expandafter\renewcommand
19741 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19742 \@ifundefined{scr@tso@#1@linefill}{%
19743   \ifstr{#1}{part}{%
19744     \@namedef{scr@tso@#1@linefill}{\hfill}%
19745   }{%
19746     \ifstr{#1}{chapter}{%
19747       \@namedef{scr@tso@#1@linefill}{\hfill}%
19748     }{%
19749       \scr@ifundefinedorrelax{1@chapter}{%
19750         \ifstr{#1}{section}{%
19751           \@namedef{scr@tso@#1@linefill}{\hfill}%
19752         }{}
19753       }{}
19754       \expandafter\renewcommand%
19755       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19756     }%
19757   }%
19758 }{}%
19759 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19760 \ifstr{#1}{part}{%
19761   \expandafter\renewcommand%
19762   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19763 }{%
19764   \expandafter\renewcommand%
19765   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19766     {\normalfont\normalcolor ##1}}%
19767 }%
19768 \expandafter\renewcommand%
19769 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19770   \hb@xt@\@pnumwidth{\hfil ##1}}%
19771 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19772 }}%
19773 \scr@dte@tocline{#1}{##1}{##2}%
19774 }
19775

```

122 File tocstyle-xetex-bidi.def

```

19776 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19777 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19778   \let\numberline\tocstyle@numberline
19779   \ifnum #1>\c@tocdepth \else
19780     \if@tocstyle@penalties
19781       \begingroup
19782         \@tempcnta 20010
19783         \advance \@tempcnta by -#1
19784         \ifnum \@tempcnta>\lastpenalty
19785           \aftergroup\penalty\aftergroup\@lowpenalty
19786         \fi

```



```

19787 \endgroup
19788 \fi
19789 \edef\tocstyledepth{#1}%
19790 \tocstyle@activate@features
19791 \ifx\tocstyle@feature@entryvskip\relax
19792 \vskip \z@ \@plus.2\p@
19793 \else
19794 \advvspace{\tocstyle@feature@entryvskip}%
19795 \fi
19796 {%
19797 \parskip \z@ \parindent \z@ \ifRTL\righskip\else\leftskip\fi \z@ \ifRTL\leftskip\else
19798 \tocstyle@feature@raggedhook
19799 \@tempdima #3\relax
19800 \@tempdimb #2\relax
19801 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19802 \ifnum #1>\z@\relax
19803 \@tempcnta #1\relax \advance\@tempcnta \m@ne
19804 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19805 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19806 \@tempdimb
19807 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19808 \advance\@tempdimb
19809 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19810 \fi
19811 \fi
19812 \fi
19813 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19814 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19815 \ifdim \@tempdimb>
19816 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19817 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19818 @#1\endcsname{\the\@tempdimb}%
19819 \fi
19820 \else
19821 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19822 @#1\endcsname{\the\@tempdimb}%
19823 \fi
19824 \iftocstyle@autolength
19825 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19826 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19827 \relax
19828 \fi
19829 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19830 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19831 \relax
19832 \fi
19833 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19834 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19835 \else
19836 \@tempdimb #2\relax

```




```

19837      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19838    \fi
19839    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19840      \ifdim \@tempdima>
19841        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19842        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19843          @\endcsname{\the\@tempdima}%
19844      \fi
19845    \else
19846      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19847        @\endcsname{\the\@tempdima}%
19848    \fi
19849    \ifcase\tocstyle@indentstyle\relax\else
19850      \@tempdimb \z@
19851      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19852        \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19853        \relax
19854      \fi
19855      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19856      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19857    \fi
19858    \advance\parindent \@tempdimb\@afterindenttrue
19859    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19860    \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
19861    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19862    \ifx\tocstyle@feature@parfillskip\relax\else
19863      \advance\parfillskip \tocstyle@feature@parfillskip\relax
19864    \fi
19865    \interlinepenalty\@M
19866    \leavevmode
19867    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19868    \null\nobreak
19869    \iftocstyle@indentnotnumbered\else
19870      \hskip -\if@RTL\rightskip\else\leftskip\fi
19871    \fi
19872    \tocstyle@feature@entryhook
19873    {#4}\nobreak
19874    \ifx\tocstyle@feature@leaders\relax
19875      \leaders\hbox{$\m@th
19876        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19877        \mkern \@dotsep mu$}\hfill
19878    \else
19879      \tocstyle@feature@leaders
19880    \fi
19881    \nobreak
19882    \ifx\tocstyle@feature@pagenumberbox\relax
19883      \hbxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19884    \else
19885      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19886    \fi

```



```

19887 \par
19888 }%
19889 \if@tocstyle@penalties
19890 \bgroup
19891 \@tempcnta 20009
19892 \advance\@tempcnta by -#1
19893 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19894 \reserved@a
19895 \fi
19896 \fi}
19897 \renewcommand*{\tocstyle@numberline}[1]{%
19898 \begingroup
19899 \ifx\tocstyle@feature@spaceafternumber\relax
19900 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
19901 \else
19902 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
19903 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19904 \fi
19905 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19906 \ifdim \@tempdima >
19907 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19908 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19909 @\tocstyledepth\endcsname{\the\@tempdima}%
19910 \fi
19911 \else
19912 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19913 @\tocstyledepth\endcsname{\the\@tempdima}%
19914 \fi
19915 \endgroup
19916 \iftocstyle@indentnotnumbered
19917 \hskip -\if@RTL\rightskip\else\leftskip\fi
19918 \fi
19919 \ifcase \tocstyle@indentstyle
19920 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19921 \or
19922 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19923 \else
19924 \ifx\tocstyle@feature@spaceafternumber\relax
19925 \hbox{\tocstyle@@numberline{#1}\enskip}%
19926 \else
19927 \hbox{\tocstyle@@numberline{#1}\hskip
19928 \tocstyle@feature@spaceafternumber\relax}%
19929 \fi
19930 \fi
19931 }
19932 \AtBeginDocument{%
19933 \ifcsname l@part\endcsname
19934 \ifcsname l@chapter\endcsname
19935 \setbox\@tempboxa\vbox{\hsize\maxdimen
19936 \l@part{\tocstyle@l@define{part}{-1}}{}}%

```



```

19937 \else
19938 \setbox\@tempboxa\vbox{\hsize\maxdimen
19939 \l@part{\tocstyle@l@define{part}{0}}{}}%
19940 \fi
19941 \fi
19942 \ifcsname l@chapter\endcsname
19943 \setbox\@tempboxa\vbox{\hsize\maxdimen
19944 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19945 \fi
19946 \ifcsname l@section\endcsname
19947 \setbox\@tempboxa\vbox{\hsize\maxdimen
19948 \l@section{\tocstyle@l@define{section}{1}}{}}%
19949 \fi
19950 \ifcsname l@subsection\endcsname
19951 \setbox\@tempboxa\vbox{\hsize\maxdimen
19952 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19953 \fi
19954 \ifcsname l@subsubsection\endcsname
19955 \setbox\@tempboxa\vbox{\hsize\maxdimen
19956 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19957 \fi
19958 \ifcsname l@paragraph\endcsname
19959 \setbox\@tempboxa\vbox{\hsize\maxdimen
19960 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19961 \fi
19962 \ifcsname l@subparagraph\endcsname
19963 \setbox\@tempboxa\vbox{\hsize\maxdimen
19964 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19965 \fi
19966 \ifcsname l@table\endcsname
19967 \setbox\@tempboxa\vbox{\hsize\maxdimen
19968 \l@table{\tocstyle@l@define{table}{1}}{}}%
19969 \fi
19970 \ifcsname l@figure\endcsname
19971 \setbox\@tempboxa\vbox{\hsize\maxdimen
19972 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19973 \fi
19974 \def\@tempa#1#2#3#4#5{%
19975 \ifnum #1>\c@tocdepth \else
19976 \vskip \z@ \@plus.2\p@
19977 {\if@RTL\rightright\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightright\fi \@tocrm
19978 \parindent #2\relax\@afterindenttrue
19979 \interlinepenalty\@M
19980 \leavevmode
19981 \@tempdima #3\relax
19982 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19983 {#4}\nobreak
19984 \leaders\hbox{$\m@th
19985 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19986 mu$}\hfill

```



```

19987      \nobreak
19988      \hb@xt@{\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19989      \par}%
19990      \fi}%
19991      \ifx\@dottedtocline\@tempa\else
19992      \tocstyle@macrochangewarning\@dottedtocline
19993      \fi
19994      \let\tocstyle@saved@dottedtocline\@dottedtocline
19995      \def\@tempa#1{\hb@xt@{\@tempdima{#1\autodot\hfil}}}%
19996      \ifx\numberline\@tempa\else
19997      \def\@tempa#1{\hb@xt@{\@tempdima{#1\hfil}}}%
19998      \ifx\numberline\@tempa\else
19999      \tocstyle@macrochangewarning\numberline
20000      \fi
20001      \fi
20002      \let\tocstyle@saved@numberline\numberline
20003  }
20004  \renewcommand*{\tocstyle@l@define}[2]{%
20005  \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20006  \edef\@tempa{%
20007  \noexpand\global\noexpand\let
20008  \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20009  \expandafter\noexpand\csname l@#1\endcsname
20010  \noexpand\gdef
20011  \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20012  \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20013  \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20014  \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20015  \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20016  }%
20017  }%
20018  \PackageInfo{tocstyle}{prepare \expandafter\string
20019  \csname l@#1\endcsname\space for redefinition}%
20020  \@tempa
20021  }

```

123 File todonotes-xetex-bidi.def

```

20022 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20023 \newif\if@bidi@todonotes@textdirection@RTL
20024 \newif\if@bidi@todonotes@figposition@right
20025 \newcommand{\@bidi@todonotes@align}{}%
20026 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20027 \newcommand{\@bidi@todonotes@textdirection}{}%
20028 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right|left|center}
20029 \ifcase\@bidi@todonotes@tempb\relax
20030 \@bidi@todonotes@textdirection@RTLtrue
20031 \let\@bidi@todonotes@textdirection\ROLE
20032 \or
20033 \@bidi@todonotes@textdirection@RTLfalse

```



```

20034 \let\@bidi@todonotes@textdirection\LRE
20035 \fi}
20036 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,1
20037 \ifcase\bidi@todonotes@tempb\relax
20038 \@bidi@todonotes@figposition@righttrue
20039 \or
20040 \@bidi@todonotes@figposition@rightfalse
20041 \fi}
20042 \if@todonotes@disabled%
20043 \else % \if@todonotes@disabled
20044 \renewcommand{\@todonotes@drawInlineNote}{%
20045 \if@todonotes@dviStyle%
20046 {\par\noindent\begin{tikzpicture}[remember picture]%
20047 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
20048 \if@todonotes@authorgiven%
20049 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20050 \else%
20051 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20052 \fi
20053 {\par\noindent\begin{tikzpicture}[remember picture]%
20054 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
20055 \else%
20056 {\par\noindent\begin{tikzpicture}[remember picture]%
20057 \if\bidi@todonotes@textdirection@RTL\setRTL\fi%
20058 \draw node[inline notestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
20059 \if@todonotes@authorgiven%
20060 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20061 \else%
20062 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20063 \fi};%
20064 \end{tikzpicture}\par}%
20065 \fi}%
20066 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20067 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20068 \node [coordinate] (inText) {};%
20069 \end{tikzpicture}%
20070 \marginpar[{}]{% Draw note in left margin
20071 \@todonotes@drawMarginNote%
20072 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20073 }]{% Draw note in right margin
20074 \@todonotes@drawMarginNote%
20075 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20076 }%
20077 }%
20078 \renewcommand{\@todonotes@drawMarginNote}{%
20079 \if@todonotes@dviStyle%
20080 \begin{tikzpicture}[remember picture]%
20081 \draw node[notestyle] {};%
20082 \end{tikzpicture}\\%
20083 \begin{minipage}{\@todonotes@textwidth}%

```



```

20084 \if@todonotes@authorgiven%
20085 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20086 \else%
20087 \@todonotes@sizecommand \@todonotes@text%
20088 \fi%
20089 \end{minipage}}\%
20090 \begin{tikzpicture}[remember picture]%
20091 \draw node[notestyle] (inNote) {};%
20092 \end{tikzpicture}%
20093 \else%
20094 \let\originalHbadness\hbadness%
20095 \hbadness 100000%
20096 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20097 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20098 \node(X){\vphantom{X}};%
20099 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20100 \if@todonotes@authorgiven%
20101 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand \@todonotes@author};%
20102 \node(Y)[below=of X]{};%
20103 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20104 \else%
20105 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20106 \fi%
20107 \end{tikzpicture}%
20108 \hbadness \originalHbadness%
20109 \fi}%
20110 \renewcommand{\missingfigure}[2][]{%
20111 \setkeys{todonotes}{#1}%
20112 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20113 \par
20114 \noindent
20115 \begin{tikzpicture}
20116 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20117 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20118 \if@bidi@todonotes@figposition@right%
20119 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20120 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20121 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20122 \if@bidi@todonotes@figposition@right%
20123 \end{scope}
20124 \begin{scope}[xshift=-3.8cm]
20125 \draw (2, -0.3) node[right, text
20126 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};

```



```

20134 \if@bidi@todonotes@figposition@right%
20135 \end{scope}
20136 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20137 \fi%
20138 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20139 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20140 \if@bidi@todonotes@figposition@right%
20141 \end{scope}
20142 \fi%
20143 \end{tikzpicture}}\hfill
20144 }% Ending \missingfigure command
20145 \fi % Ending \@todonotes@ifdisabled
20146 \presetkeys%
20147     {todonotes}%
20148     {align=left,%
20149     textdirection=lefttoright,%
20150     figposition=left}{}%

```

124 File wrapfig-xetex-bidi.def

```

20151 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20152 \let\WF@everypar\bidi@n@everypar
20153 \def\WF@putfigmaybe{%
20154 \ifinner
20155   \vskip-\parskip \global\WF@floatfalse
20156   \let\pagetotal\maxdimen % kludge flag for "not top of page"
20157 \else % outer page
20158   \@tempdima\pagedepth % save page depth
20159   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20160   \penalty\interlinepenalty % update pg. parameters
20161   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20162   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20163     \global\WF@floatfalse
20164     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20165   \else
20166     \ifdim\WF@size>\@tempdimb
20167       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20168       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20169       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20170       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20171       \advance\dimen@.5\baselineskip
20172       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20173         \global\WF@floatfalse \pagebreak
20174       \fi
20175     \else % \WF@info{Fits in \the\@tempdimb;}%
20176       \global\WF@floatfalse
20177     \fi\fi
20178   \vskip\@tempdima\relax % (return erased page depth)
20179 \fi
20180 \noindent

```



```

20181 \ifWF@float
20182   \WF@fltnes
20183 \else % putting here;
20184   \WF@info{Put \WF@wfname here:}%
20185   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20186     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20187     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20188 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
20189   \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20190   \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20191   \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20192   \xdef\WF@ad战略w{\the\@tempdima}%
20193   \ifnum `l=\WF@place % fig on left
20194     \if@RTL%
20195       \kern\@tempdimb \kern\columnsep
20196       \def\@tempa{\hss}% position to left of the gap
20197       \else%
20198       \hss % figure overlaps space to the left
20199       \def\@tempa{\kern\columnsep}% position to left of the gap
20200       \fi%
20201   \else % fig on right
20202     \if@RTL%
20203       \hss
20204       \@tempdima\z@
20205       \def\@tempa{\kern\columnsep}
20206       \else%
20207       \@tempdima\z@ % no left indentation
20208       \kern\@tempdimb \kern\columnsep
20209       \def\@tempa{\hss}% figure overlaps space to the right
20210       \fi%
20211   \fi
20212   \ifdim\@tempdimb<\hsize
20213     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20214     \xdef\WF@ad战略lm{\the\@tempdima}%
20215   \else
20216     \xdef\WF@wrapil{\z@ \the\hsize}%
20217     \xdef\WF@ad战略lw{\z@}\xdef\WF@ad战略lm{\z@}%
20218   \fi
20219   \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20220     \global\advance\WF@size-\intextsep
20221   \else % \WF@info{Putting \WF@wfname in middle of page}%
20222     \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20223     \fi \dp\WF@box\z@ \box\WF@box \@tempa
20224   }% end \hbox to Opt
20225   \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20226 \fi}

```

125 File xcolor-xetex-bidi.def

20227 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X




```

20228 \long\def\color@b@x#1#2#3%
20229 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20230 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20231 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20232 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20233 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20234 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20235 \DeclareRobustCommand\color
20236 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
20237 \def\@undeclaredcolor[#1]#2%
20238 {\begingroup
20239 \let\@cls\@empty
20240 \XC@getmodclr12{#1}{#2}{}%
20241 {\ifblendcolors
20242 \ifx\colorblend\@empty\else
20243 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20244 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20245 \fi
20246 \fi
20247 \ifconvertcolorsU
20248 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20249 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20250 \fi
20251 \ifmaskcolors
20252 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20253 \let\@mod\XC@mmod
20254 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20255 \expandafter\XC@mul\@tmp,\@clr
20256 \fi
20257 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20258 \expandafter\endgroup\@tmp}}
20259 \def\@declaredcolor#1%
20260 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20261 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20262 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20263 \ifconvertcolorsU\XC@tsttrue\fi
20264 \fi
20265 \ifXC@tst
20266 \expandafter\XC@declaredcolor\else
20267 \expandafter\XC@declaredcolor\fi}
20268 \def\XC@undeclaredcolor#1#2%
20269 {\@ifundefinedmodel{#1}%
20270 {\c@lor@error{model `#1'}}%
20271 {\@nameuse{color@#1}\current@color{#2}}%
20272 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20273 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20274 \def\XC@declaredcolor
20275 {\XC@let@Nc\XC@current@color{\string\color\XC@tmp}%
20276 \edef\current@color{\XC@current@color}%
20277 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

20278 \DeclareRobustCommand\bidicolor
20279 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20280 \def\@bidiundeclaredcolor[#1]#2%
20281 {\begingroup
20282 \let\@ccl\@empty
20283 \XC@getmodclr12{#1}{#2}{}%
20284 {\ifblendcolors
20285 \ifx\colorblend\@empty\else
20286 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20287 \XC@coremodel\@mod\@ccl\@xcolor@{ }\@mod\@ccl
20288 \fi
20289 \fi
20290 \ifconvertcolorsU
20291 \edef\@tmp{\XC@tgtmod{\@mod}}%
20292 \convertcolorspec\@mod\@ccl\@tmp\@ccl \let\@mod\@tmp
20293 \fi
20294 \ifmaskcolors
20295 \convertcolorspec\@mod\@ccl\XC@mmod\@ccl
20296 \let\@mod\XC@mmod
20297 \XC@inflate\@mod\XC@mcl\@ccl\@tmp
20298 \expandafter\XC@mul\@tmp,\@ccl
20299 \fi
20300 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@ccl}}%
20301 \expandafter\endgroup\@tmp}}
20302 \def\XC@bidiundeclaredcolor#1#2%
20303 {\@ifundefinedmodel{#1}%
20304 {\c@lor@error{model `#1'}}%
20305 {\@nameuse{color@#1}\current@color{#2}%
20306 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20307 \XC@display}}
20308 \def\@bidideclaredcolor#1%
20309 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20310 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20311 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20312 \ifconvertcolorsU\XC@tsttrue\fi
20313 \fi
20314 \ifXC@tst
20315 \expandafter\XC@bidideclaredcolor\else
20316 \expandafter\XC@bidideclaredc@lor\fi}
20317 \def\XC@bidideclaredcolor
20318 {\XC@split\XC@tmp
20319 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@ccl}}%
20320 \expandafter\endgroup\@tmp}
20321 \def\XC@bidideclaredc@lor
20322 {\XC@let\Nc\XC@current@color{\string\color\@XC@tmp}%
20323 \edef\current@color{\XC@current@color}%
20324 \XC@display}
20325 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20326 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20327 \def\color@fb@x#1#2#3#4%

```



```

20328 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
20329 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20330 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

126 File latex-xetex-bidi.def

```

20331 \ProvidesFile{latex-xetex-bidi.def}[2018/02/22 v1.3.3 bidi adaptations for `latex.ltx' for Xe
20332 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
20333 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
20334 \TeXXeTOn
20335 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
20336 \let\ bidi@o@everypar=\everypar
20337 \newtoks\ bidi@n@everypar
20338 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
20339 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
20340 \let\ everypar=\ bidi@n@everypar
20341 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20342 \def\ moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20343 \protected\def\ hboxR{\hbox\bgroup
20344 \everyhbox{%
20345 \aftergroup\egroup
20346 \everyhbox{}}%
20347 \beginR
20348 \@hboxRconstructtrue
20349 \bgroup
20350 \aftergroup\endR
20351 \aftergroup\egroup
20352 }\hbox}
20353 \protected\def\ hboxL{\hbox\bgroup
20354 \everyhbox{%
20355 \aftergroup\egroup
20356 \everyhbox{}}%
20357 \beginL
20358 \@hboxRconstructfalse
20359 \bgroup
20360 \aftergroup\endL
20361 \aftergroup\egroup
20362 }\hbox}
20363 \protected\def\ vboxR{\vbox\bgroup
20364 \everyvbox{%
20365 \aftergroup\egroup
20366 \everyvbox{}}%
20367 \@RTLtrue
20368 \@RTLtabtrue
20369 \bgroup
20370 \aftergroup\egroup
20371 }\vbox}
20372 \protected\def\ vboxL{\vbox\bgroup
20373 \everyvbox{%
20374 \aftergroup\egroup

```



```

20375 \everyvbox{}%
20376 \@RTLfalse
20377 \@RTLtabfalse
20378 \bgroup
20379 \aftergroup\egroup
20380 }\vbox}
20381 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20382 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20383 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20384 \def\endLTR{\par}
20385 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20386 \def\endRTL{\par}
20387 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20388 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20389 \let\unsetRTL=\setLTR
20390 \let\unsetLTR=\setRTL
20391 \let\LR=\LRE
20392 \let\RL=\RLE
20393 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20394 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20395 \let\@ensure@RL=\@ensure@RTL
20396 \let\@ensure@LR=\@ensure@LTR
20397 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20398 \let\@ensure@maindir=\@ensure@dir
20399 \def\@RTL{RTL}
20400 \def\@LTR{LTR}
20401 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20402 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20403 \let\@TeX\TeX
20404 \def\TeX{\@ensure@LTR{\@TeX}}
20405 \let\@LaTeX\LaTeX
20406 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20407 \let\@LaTeXe\LaTeXe
20408 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20409 \long\def\bidi@reflect@box#1{%
20410 \leavevmode
20411 \setbox\z@\hbox{#1}%
20412 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20413 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20414 }
20415 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20416 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20417 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20418 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20419 \let\setRL=\setRTL
20420 \let\setLR=\setLTR
20421 \let\unsetRL=\setLTR
20422 \def\bidi@tabular@RTLCases{\let\@halignto\@empty\@bidi@tabular@RTLCases}
20423 \ifpackageloaded{array}{%
20424 \def\@bidi@tabular@RTLCases{\@RTLtabtrue%

```



```

20425 \leavevmode
20426 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20427 \let\dollarend\endgroup
20428 \@tabarray}
20429 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20430 }{%
20431 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20432 \leavevmode \hbox \bgroup
20433 $\left.\let\@acol\@tabacol
20434 \let\@classz\@tabclassz
20435 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20436
20437 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20438 \egroup\right\rbrace $\egroup}}
20439 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20440 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right)}
20441 \renewenvironment{RTLcases}{%
20442 \bidi@matrix@check\RTLcases\env@RTLcases
20443 }{%
20444 \endbidi@tabular@RTLcases%
20445 }
20446 \def\env@RTLcases{%
20447 \let\@ifnextchar\bidi@new@ifnextchar
20448 \def\arraystretch{1.2}%
20449 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20450 }
20451 \def\SepMark#1{\gdef\@SepMark{#1}}
20452 \SepMark{.}
20453 \def\@thmcountersep{\@SepMark}
20454 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20455 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20456 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20457 \newcommand*{\bidi@thebibliography@font@hook}{}
20458 \def\list#1#2{%
20459 \ifnum \@listdepth >5\relax
20460 \toodeep
20461 \else
20462 \global\advance\@listdepth\@ne
20463 \fi
20464 \rightmargin\z@
20465 \listparindent\z@
20466 \itemindent\z@
20467 \csname @list\romannumeral\the\@listdepth\endcsname
20468 \def\@itemlabel{#1}%
20469 \let\makelabel\@mklab
20470 \@nmbrrlistfalse
20471 #2\relax
20472 \@trivlist
20473 \parskip\parsep
20474 \parindent\listparindent

```



```

20475 \advance\linewidth -\rightmargin
20476 \advance\linewidth -\leftmargin
20477 \if@bidi@list@minipage@parbox
20478 \if@RTL
20479 \advance\@totalleftmargin \leftmargin
20480 \else
20481 \advance\@totalleftmargin \rightmargin
20482 \fi
20483 \else
20484 \if@hboxRconstruct
20485 \if@bidi@list@minipage@parbox@not@nob
20486 \if@RTL
20487 \advance\@totalleftmargin \rightmargin
20488 \else
20489 \advance\@totalleftmargin \leftmargin
20490 \fi
20491 \else
20492 \if@RTL
20493 \advance\@totalleftmargin \leftmargin
20494 \else
20495 \advance\@totalleftmargin \rightmargin
20496 \fi\fi
20497 \else
20498 \if@RTL
20499 \advance\@totalleftmargin \rightmargin
20500 \else
20501 \advance\@totalleftmargin \leftmargin
20502 \fi\fi\fi
20503 \parshape \@ne \@totalleftmargin \linewidth
20504 \ignorespaces}
20505 \long\def\@iiiparbox#1#2[#3]#4#5{%
20506 \leavevmode
20507 \@pboxswfalse
20508 \if@hboxRconstruct
20509 \@bidi@list@minipage@parbox@not@nobtrue
20510 \fi
20511 \if@RTL
20512 \ifx#1t%
20513 \@bidi@list@minipage@parboxtrue
20514 \else
20515 \ifx#1b%
20516 \@bidi@list@minipage@parboxtrue
20517 \fi
20518 \fi
20519 \fi
20520 \setlength\@tempdima{#4}%
20521 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20522 \ifx\relax#2\else
20523 \setlength\@tempdimb{#2}%
20524 \edef\@parboxto{to\the\@tempdimb}%

```



```

20525 \fi
20526 \if#1b\vbox
20527 \else\if #1t\vtop
20528 \else\ifmode\vcenter
20529 \else\@pboxswtrue $\vcenter
20530 \fi\fi\fi
20531 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20532 \csname bm@#3\endcsname}%
20533 \if@pboxsw \m@th$\fi
20534 \@endtempboxa}
20535 \def\bidilrbox#1{%
20536 \edef\reserved@a{%
20537 \endgroup
20538 \setbox#1\hbox{%
20539 \begingroup\aftergroup}%
20540 \def\noexpand\@currentenv{\@currentenv}%
20541 \def\noexpand\@currentvline{\on@line}}%
20542 \reserved@a
20543 \@endpefalse
20544 \color@begingroup
20545 \ignorespaces}
20546 \def\endbidilrbox{\unskip\color@endgroup}
20547 \newenvironment{LTRitems}
20548 {\par\@RTLfalse\@RTLtabfalse
20549 \if@bidi@list@minipage@parbox
20550 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20551 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20552 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20553 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20554 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20555 \newenvironment{RTLitems}
20556 {\par\@RTLtrue\@RTLtabtrue
20557 \if@bidi@list@minipage@parbox
20558 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20559 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20560 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20561 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20562 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20563 \newenvironment{LTRbibitems}
20564 {\par\@RTLfalse\@RTLtabfalse
20565 \if@bidi@list@minipage@parbox
20566 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20567 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20568 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20569 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20570 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20571 \newenvironment{RTLbibitems}

```



```

20575             {\par\@RTLtrue\@RTLtabtrue
20576             \if@bidi@list@minipage@parbox
20577             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20578             \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20579             \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20580             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20581             \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20582             \ignorespaces}{\vskip\z@}
20583 \def\raggedright{%
20584 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20585 \leftskip\z@skip
20586 \parindent\z@\parfillskip\z@skip}
20587 \let\bidiorig@raggedleft\raggedleft
20588 \let\bidiorig@raggedright\raggedright
20589 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRcons
20590 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRcons
20591 \newcommand{\bidioraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20592 \newcommand{\bidioraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20593 \def\centerline#1{%
20594 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20595 \else\@@line{\hss#1\hss}\fi}
20596 \def\leftline#1{%
20597 \if@RTL\@@line{\beginR#1\endR\hss}
20598 \else\@@line{#1\hss}\fi}
20599 \def\rightline#1{%
20600 \if@RTL\@@line{\hss\beginR#1\endR}
20601 \else\@@line{\hss#1}\fi}
20602 \let\bidiorig@leftline\leftline
20603 \let\bidiorig@rightline\rightline
20604 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20605 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20606 \def\bidirlap#1{\hbext@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20607 \def\bidillap#1{\hbext@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20608 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20609 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20610 \def\narrower{%
20611 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20612 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20613 \def\underline#1{%
20614 \relax
20615 \ifmmode\@@underline{#1}%
20616 \else
20617 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20618 \else
20619 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20620 \ifcompatibility
20621 \let\undertext=\underline
20622 \fi
20623 \def\@tabular{%
20624 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi

```




```

20625 $\let\@acol\@tabacol
20626 \let\@classz\@tabclassz
20627 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20628 \def\endtabular{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20629 \egroup $\if@RTLtab\endR\fi\egroup}
20630 \expandafter \let \csname endtabular*\endcsname = \endtabular
20631 \def\@array[#1]#2{%
20632 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20633 \bgroup
20634 \setbox\@arstrutbox\hbox{%
20635 \vrule \@height\arraystretch\ht\strutbox
20636 \@depth\arraystretch \dp\strutbox
20637 \@width\z@}%
20638 \@mkpream{#2}%
20639 \edef\@preamble{%
20640 \ialign \noexpand\@halignto
20641 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20642 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20643 \let\@tabularnewline\\%
20644 \let\par\@empty
20645 \let\@sharp##%
20646 \set@typeset@protect
20647 \lineskip\z@skip\baselineskip\z@skip
20648 \ifhmode \@preamerr\z@ \@@par\fi
20649 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20650 \@preamble}
20651 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20652 \let\@classiv\@arrayclassiv
20653 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20654 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20655 \ifnum \@lastchclass=3 5 \else
20656 \z@ \if #1c\@chnum \z@ \else
20657 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20658 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20659 \@chclass \if #1|\@ne \else
20660 \if #1@\tw@ \else
20661 \if #1p3 \else \z@ \@preamerr 0\fi
20662 \fi \fi \fi \fi \fi \fi
20663 \fi}
20664 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20665 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20666 \def\bm@t{\unhbox\@tempboxa\hss}
20667 \def\bm@b{\hss\unhbox\@tempboxa}
20668 \def\@dottedtocline#1#2#3#4#5{%
20669 \ifnum #1>\c@tocdepth \else
20670 \vskip \z@ \@plus.2\p@
20671 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin
20672 \parindent #2\relax\@afterindenttrue
20673 \interlinepenalty\@M
20674 \leavevmode

```



```

20675 \@tempdima #3\relax
20676 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
20677 {#4}\nobreak
20678 \leaders\hbox{$\m@th
20679 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20680 mu$}\hfill
20681 \nobreak
20682 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20683 \par}%
20684 \fi}
20685
20686 \newcount\ bidi@column@check@number
20687
20688 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20689
20690 \def\ bidi@set@column@status#1#2{%
20691 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20692
20693 \if@twocolumn
20694 \newcommand\DetectColumn[3][1]{%
20695 \ifx\ bidi@firstcolumn@status@write\relax
20696 \PackageError{bidi}%
20697 {Option 'DetectColumn' not selected}%
20698 {\string\DetectColumn\space
20699 requires the use of the 'DetectColumn'
20700 option on the package}%
20701 \fi
20702 \global\advance\ bidi@column@check@number\@ne
20703 \edef\ bidi@column@type{\expandafter\ifx
20704 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20705 0\else
20706 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20707 \fi}%
20708 \ifcase \ bidi@column@type\relax
20709 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20710 \or
20711 #2% % 1 First column
20712 \or
20713 #3% % 2 Second (Last column)
20714 \else
20715 \ERROR
20716 \fi
20717 \edef\next{\write\@auxout
20718 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}}%
20719 {\ \ bidi@column@type}}}%
20720 \next
20721 }
20722
20723 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20724 \ifnum #2=\ bidi@current@column@status\else

```



```

20725     \@tempwattrue
20726     \fi}%
20727 }
20728 \fi
20729
20730 \def\RTL@outputdblcol{%
20731   \if@firstcolumn
20732     \global\@firstcolumnfalse
20733     \global\setbox\@leftcolumn\copy\@outputbox
20734     \splitmaxdepth\maxdimen
20735     \vbadness\maxdimen
20736     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20737     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20738     \toks@{\expandafter{\topmark}}%
20739     \xdef\@firstcoltopmark{\the\toks@}%
20740     \toks@{\expandafter{\splitfirstmark}}%
20741     \xdef\@firstcolfirstmark{\the\toks@}%
20742     \ifx\@firstcolfirstmark\@empty
20743       \global\let\@setmarks\relax
20744     \else
20745       \gdef\@setmarks{%
20746         \let\firstmark\@firstcolfirstmark
20747         \let\topmark\@firstcoltopmark}%
20748     \fi
20749   \else
20750     \global\@firstcolumntrue
20751     \setbox\@outputbox\vbox{%
20752       \hb@xt@\textwidth{%
20753         \hskip \columnwidth
20754         \hfil
20755         {\normalcolor\vrule \@width\columnseprule}%
20756         \hfil
20757         \hb@xt@\columnwidth{%
20758           \bidi@firstcolumn@status@write%
20759           \box\@leftcolumn \hss}%
20760         \hskip -\textwidth
20761         \hb@xt@\columnwidth{%
20762           \bidi@lastcolumn@status@write%
20763           \box\@outputbox \hss}%
20764         \hskip \columnsep
20765         \hskip \columnwidth }}%
20766     \@combinedblfloats
20767     \@setmarks
20768     \@outputpage
20769     \begingroup
20770     \@dblfloatplacement
20771     \@startdblcolumn
20772     \@whilesw\if@fcolmade \fi{\@outputpage
20773       \@startdblcolumn}%
20774     \endgroup

```



```

20775 \fi}%
20776
20777 \def\LTR@outputdblcol{%
20778 \if@firstcolumn
20779 \global\@firstcolumnfalse
20780 \global\setbox\@leftcolumn\copy\@outputbox
20781 \splitmaxdepth\maxdimen
20782 \vbadness\maxdimen
20783 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20784 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20785 \toks@\expandafter{\topmark}%
20786 \xdef\@firstcoltopmark{\the\toks@}%
20787 \toks@\expandafter{\splitfirstmark}%
20788 \xdef\@firstcolfirstmark{\the\toks@}%
20789 \ifx\@firstcolfirstmark\@empty
20790 \global\let\@setmarks\relax
20791 \else
20792 \gdef\@setmarks{%
20793 \let\firstmark\@firstcolfirstmark
20794 \let\topmark\@firstcoltopmark}%
20795 \fi
20796 \else
20797 \global\@firstcolumntrue
20798 \setbox\@outputbox\vbox{%
20799 \hb@xt@\textwidth{%
20800 \hb@xt@\columnwidth{%
20801 \bidi@firstcolumn@status@write%
20802 \box\@leftcolumn \hss}%
20803 \hfil
20804 {\normalcolor\vrule \@width\columnseprule}%
20805 \hfil
20806 \hb@xt@\columnwidth{%
20807 \bidi@lastcolumn@status@write%
20808 \box\@outputbox \hss}}}%
20809 \@combinedblfloats
20810 \setmarks
20811 \outputpage
20812 \begingroup
20813 \dblfloatplacement
20814 \startdblcolumn
20815 \@whiles\if@fcolmade \fi{\@outputpage
20816 \startdblcolumn}%
20817 \endgroup
20818 \fi}%
20819
20820
20821 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20822 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20823 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20824 \def\LTRmarginpar{%

```



```

20825 \ifhmode
20826   \@bsphack
20827   \@floatpenalty -\@Mii
20828 \else
20829   \@floatpenalty-\@Miii
20830 \fi
20831 \ifinner
20832   \@parmoderr
20833   \@floatpenalty\z@
20834 \else
20835   \@next\@currbox\@freelist{\}%
20836   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20837   {\@floatpenalty\z@
20838    \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20839 \fi
20840 \@ifnextchar [\@LTRxmpar\@LTRympar}
20841 \long\def\@LTRxmpar[#1]#2{%
20842   \@LTRsavemarbox\@marbox{#1}%
20843   \@LTRsavemarbox\@currbox{#2}%
20844   \@xympar}
20845 \long\def\@LTRympar#1{%
20846   \@LTRsavemarbox\@marbox{#1}%
20847   \global\setbox\@currbox\copy\@marbox
20848   \@xympar}
20849 \long\def \@LTRsavemarbox #1#2{%
20850   \global\setbox #1%
20851   \color@vbox
20852   \vtop{%
20853     \hsize\marginparwidth
20854     \@parboxrestore
20855     \@LTRmarginparreset
20856     #2%
20857     \@minipagefalse
20858     \outer@nobreak
20859   }%
20860   \color@endbox
20861 }
20862 \def \@LTRmarginparreset {%
20863   \reset@font
20864   \normalsize
20865   \@minipagetrue
20866   \everypar{\@minipagefalse\everypar{}\beginL}%
20867 }
20868 \def\RTLmarginpar{%
20869   \ifhmode
20870     \@bsphack
20871     \@floatpenalty -\@Mii
20872   \else
20873     \@floatpenalty-\@Miii
20874   \fi

```



```

20875 \ifinner
20876   \@parmoderr
20877   \@floatpenalty\z@
20878 \else
20879   \@next\@currbox\@freelist{}\}%
20880   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20881   {\@floatpenalty\z@
20882     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
20883 \fi
20884 \@ifnextchar [\@RTLxmpar\@RTLympar}
20885 \long\def\@RTLxmpar[#1]#2{%
20886   \@RTLSavemarbox\@marbox{#1}%
20887   \@RTLSavemarbox\@currbox{#2}%
20888   \@xympar}
20889 \long\def\@RTLympar#1{%
20890   \@RTLSavemarbox\@marbox{#1}%
20891   \global\setbox\@currbox\copy\@marbox
20892   \@xympar}
20893 \long\def \@RTLSavemarbox #1#2{%
20894   \global\setbox #1%
20895     \color@vbox
20896     \vtop{%
20897       \hsize\marginparwidth
20898       \@parboxrestore
20899       \@RTLmarginparreset
20900       #2%
20901       \@minipagefalse
20902       \outer@nobreak
20903     }%
20904   \color@endbox
20905 }
20906 \def \@RTLmarginparreset {%
20907   \reset@font
20908   \normalsize
20909   \@minipagetrue
20910   \everypar{\@minipagefalse\everypar{}\beginR}%
20911 }
20912 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20913   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20914   \if@twocolumn
20915     \if@firstcolumn \@tempcnta\m@ne \fi
20916   \else
20917     \if@mparswitch
20918       \ifodd\c@page \else\@tempcnta\m@ne \fi
20919     \fi
20920     \if@reversemargin \@tempcnta -\@tempcnta \fi
20921   \fi
20922   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20923   \@tempdima\@mparbottom
20924   \advance\@tempdima -\@pageht

```



```

20925 \advance\@tempdima\ht\@marbox
20926 \ifdim\@tempdima >\z@
20927 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20928 \else
20929 \@tempdima\z@
20930 \fi
20931 \global\@mparbottom\@pageht
20932 \global\advance\@mparbottom\@tempdima
20933 \global\advance\@mparbottom\dp\@marbox
20934 \global\advance\@mparbottom\marginparpush
20935 \advance\@tempdima -\ht\@marbox
20936 \global\setbox \@marbox
20937 \vbox {\vskip \@tempdima
20938 \box \@marbox}%
20939 \global \ht\@marbox \z@
20940 \global \dp\@marbox \z@
20941 \kern -\@pagedp
20942 \nointerlineskip
20943 \hbxt@\columnwidth
20944 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi}
20945 \hskip\columnwidth \hskip\marginparsep
20946 \else
20947 \hskip -\marginparsep \hskip -\marginparwidth
20948 \fi
20949 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi}
20950 \nointerlineskip
20951 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20952 \long\def\@ympar#1{%
20953 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@RTLtrue\else\@LTRtrue\fi}
20954 \global\setbox\@currbox\copy\@marbox
20955 \@xympar}
20956 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20957 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20958 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20959 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20960 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20961 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20962 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20963 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20964 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
20965 \fi}
20966
20967 \newcommand*{\bidi@font@outputpage}{}
20968
20969 \def\@outputpage{%
20970 \begingroup % the \endgroup is put in by \aftergroup
20971 \let \protect \noexpand
20972 \@resetactivechars
20973 \global\let\@if@newlist\if@newlist
20974 \global\@newlistfalse

```



```

20975 \@parboxrestore
20976 \global\let\bidibeforeOutputPageShipOut\@firstofone
20977 \bidibeforeoutputpageshipouthook
20978 \shipout \vbox{%
20979   \set@typeset@protect
20980   \aftergroup \endgroup
20981   \aftergroup \set@typeset@protect
20982                               % correct? or just restore by ending
20983                               % the group?
20984 \if@specialpage
20985   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20986 \fi
20987 \if@twoside
20988   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20989   \if@RTLmain
20990     \let\@themargin\evensidemargin
20991   \else
20992     \let\@themargin\oddsidemargin
20993   \fi
20994 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20995   \if@RTLmain
20996     \let\@themargin\oddsidemargin
20997   \else
20998     \let\@themargin\evensidemargin
20999   \fi
21000 \fi
21001 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21002 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21003 \else %% not @twoside
21004   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21005   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21006 \fi
21007 \reset@font
21008 \normalsize
21009 \bidi@font@@outputpage
21010 \normalsfcodes
21011 \let\label\@gobble
21012 \let\index\@gobble
21013 \let\glossary\@gobble
21014 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21015 \@begindvi
21016 \vskip \topmargin
21017 \moveright\@themargin \vbox {%
21018   \global\let\bidibeforeHeader\@firstofone
21019   \bidibeforeheaderhook
21020   \setbox\@tempboxa \vbox to\headheight{%
21021     \vfil
21022     \color@hbox
21023     \normalcolor
21024     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@

```




```

21025      \color@endbox
21026      }%
21027      \dp\@tempboxa \z@
21028      \box\@tempboxa
21029      \vskip \headsep
21030      \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
21031      \bidi@beforeoutputboxoutputpagehook
21032      \box\@outputbox
21033      \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
21034      \bidi@afteroutputboxoutputpagehook
21035      \ifvoid\@bidi@copyins@
21036      \else
21037      \vskip\skip\@bidi@copyins@
21038      \unvbox\@bidi@copyins@
21039      \fi
21040      \global\let\@bidi@BeforeFooter\@firstofone
21041      \bidi@beforefooterhook
21042      \baselineskip \footskip
21043      \color@hbox
21044      \normalcolor
21045      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
21046      \color@endbox
21047      \global\let\@bidi@AfterFooter\@firstofone
21048      \bidi@afterfooterhook
21049      }%
21050      }%
21051      \global\let\@bidi@AfterOutputPageShipOut\@firstofone
21052      \bidi@afteroutputpageshipouthook
21053      \global\let\if@newlist\@if@newlist
21054      \global \colht \textheight
21055      \stepcounter{page}%
21056      \let\firstmark\botmark
21057      \global\let\@bidi@AtEndOutputPage\@firstofone
21058      \bidi@atendoutputpagehook
21059      }
21060      \long\def\@makecaption#1#2{%
21061      \vskip\abovecaptionskip
21062      \sbox\@tempboxa{#1: #2}%
21063      \ifdim \wd\@tempboxa >\hsize
21064      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21065      \else
21066      \global \@minipagefalse
21067      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21068      \fi
21069      \vskip\belowcaptionskip}
21070      \let\@bidi@sav@eqno=\eqno
21071      \let\@bidi@sav@leqno=\leqno
21072      \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@sav@leqno \else \bidi@sav@eqno \fi}
21073      \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@sav@eqno \else \bidi@sav@leqno \fi}
21074      \@ifpackageloaded{amsmath}{-}{-}

```



```

21075 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
21076 }
21077 \input{footnote-xetex-bidi.def}
21078 \if@twocolumn
21079   \let\autofooterule\relax
21080   \let\leftfootnoterule\relax
21081   \let\rightfootnoterule\relax
21082   \textwidthfootnoterule
21083 \fi
21084 \if@bidi@csundef{\idxitem}{\%
21085 \renewcommand\idxitem{\par\hangindent \if@RTL-\fi40\p@}%
21086 }
21087 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21088 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21089 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21090 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21091 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21092 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21093 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21094 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21095 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21096 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21097 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21098 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21099 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21100 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21101 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21102 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21103 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21104 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21105 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21106 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21107 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21108 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21109 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21110 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21111 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21112 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21113 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21114 \@ifpackageloaded{amsmath}{\%
21115 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21116 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21117 }
21118 \@ifpackageloaded{mathtools}{\%
21119   \RequirePackage{graphicx}%
21120   \input{mathtools-xetex-bidi.def}%
21121 }{}
21122 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21123 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21124 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}

```



```

21125 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21126 \@ifpackagewith{algorithm2e}{algonl}{%
21127 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
21128 }{}
21129 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21130 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21131 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
21132 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21133 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21134 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21135 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21136 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21137 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21138 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21139 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21140 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21141 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21142 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21143 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21144 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21145 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21146 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21147 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21148 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21149 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21150 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21151 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21152 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21153 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21154 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21155 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21156 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21157 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21158 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21159 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21160 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21161 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21162 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21163 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21164 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21165 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21166 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21167 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21168 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21169 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21170 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21171 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21172 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21173 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21174 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}

```



```

21175 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21176 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21177 \iftexfileloaded{pgfcorescope}{\input{pgfcorescope.code-xetex-bidi.def}}{}
21178 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21179 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21180 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21181 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21182 \ifpackagewith{sidecap}{innercaption}{%
21183 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21184 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}
21185 \renewcommand*{\SC@justify@caption}{%
21186 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21187 \renewcommand*{\SC@FLOAT}[2]{%
21188 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}
21189 \renewcommand*{\SC@justify@caption}{%
21190 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21191 }{}
21192 \ifpackagewith{sidecap}{rightcaption}{%
21193 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21194 \def\SC@justify@caption{\RaggedLeft}\else%
21195 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21196 \def\SC@justify@caption{\RaggedRight}\fi%
21197 }{}
21198 \ifpackagewith{sidecap}{leftcaption}{%
21199 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21200 \def\SC@justify@caption{\RaggedRight}\else%
21201 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21202 \def\SC@justify@caption{\RaggedLeft}\fi%
21203 }{}
21204 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21205 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21206 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21207 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21208 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21209 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21210 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21211 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21212 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21213 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21214 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21215 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21216 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21217 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21218 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21219 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21220 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21221 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21222 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21223 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21224 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}

```



```

21225 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21226 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

127 File xltextra-xetex-bidi.def

```

21227 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21228 \let\@XeTeX\XeTeX
21229 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21230 \let\@XeLaTeX\XeLaTeX
21231 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols		
\# .. 2934, 2980, 3089, 3097	\@@@bidi@AfterPackage	\@@bidi@pop 3525, 3528, 3529, 3532, 3534
\% 11467	\@@H@@footnotetext	\@@bidi@popinto ...
\' 11587, 13583, 15483, 15497	\@@H@@mpfootnotetext 3525, 3528, 3529
\(..... 13684	\@@HLTR@@LTrfootnotetext	\@@clr .. 20244, 20249,
\) 13685	\@@HLTR@@LTrfootnotetext	20252, 20254,
\, 5131, 11721,	\@@HLTR@@mpLTrfootnotetext	20255, 20257,
16063, 16106, 8663, 8679	20287, 20292,
20049, 20060, 20440	\@@HLTR@@mpLTrfootnotetext	20295, 20297,
\- 1741, 11586, 8666, 8685	20298, 20300, 20319
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16025, 16222,	\@@LaTeXe .. 20407, 20408	\@@input 3715, 3732
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