



The bidi *Package*

Documentation for *version 20.3*

to my Master, Ferdowsi The Great

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

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The *bid* Package

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

Documentation for *version 20.3*

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Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain \TeX and \LaTeX , using the \XeTeX engine.

bidi Info On The Terminal and In The Log File

If you use bidi package to write any input \TeX document, and then run `xelatex` on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2016 Vafa Khalighi
*
* 2016/11/08, v20.3
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/vafa/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).
When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.

See the bidi package documentation for explanation.
Type H <return> for immediate help.
...

1.4 \begin{document}

?
```

1.2 bidi's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes bidi. **Simorgh**¹ (shown on the first page of this documentation) symbolizes bidi.

¹**Simorgh** is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn` `\TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevendcolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

☞ `\normalfootnotes` typesets footnotes in Standard \LaTeX format.

☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.

☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.

☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects. Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```




```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

1.7 Paragraph Switching Environments

```

\begin{LTR}  <text>  \end{LTR}
\begin{RTL}  <text>  \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>}  \LR{<text>}
\RLE{<text>}  \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
4 texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \begin{LTR}
8 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
9 texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 \end{RTL}
14 \end{document}

```

1.9 Footnotes

```

\footnote [num] {<text>} \LTRfootnote [num] {<text>} \RTLfootnote [num] {<text>}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{<text>} \LTRthanks{<text>} \RTLthanks{<text>}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {\text} \LTRfootnotetext [num] {\text}
\RTLfootnotetext [num] {\text}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofootnoterule \rightfootnoterule \leftfootnoterule
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule
\debugfootnotedirection
```

- ☞ `\autofootnoterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in `twocolumn` documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in `twocolumn` documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

1.11 RTL cases

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr\text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines \XeTeX and \XeLaTeX logos and in addition, it makes sure that logos, \TeX , \LaTeX , $\text{\LaTeX}_{2\epsilon}$ are typeset LTR.

1.13 Separation Mark

```
\SepMark{\langle mark\rangle} \@SepMark
```

Generally in Standard \LaTeX , dot is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

1.15 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

1.18 `LTRitems` and `RTLitems` Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ✎ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ✎ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

1.20 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

<code>\setLTRbibitems</code> <code>\setRTLbibitems</code> <code>\setdefaultbibitems</code>
--

- ✎ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ✎ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ✎ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this senario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```



1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar  
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}  
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

2 Support For Various Packages and Classes

The bidi package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloa`, `hyperref`, `lettrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `pinyin`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.

☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.

☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the `listings` package, namely `captiondirection`. This key can have the following values:

☞ `textdirection` follows the direction of the text (default).

☞ `RTL` sets the direction of the caption to RTL.

☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

For typesetting RTL tables with longtable package, an experimental package, bidi-longtable package, is provided. bidi-longtable package should be loaded after longtable package.

3.2 bidentufte bundle

A modified version of tufte-latex, bidentufte bundle, mainly for RTL typesetting, is provided. If you never used bidentufte bundle or tufte-latex package and you want to use bidentufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using bidentufte bundle, you need to know the following notes:

- ☞ You need to use bidentufte-book class instead tufte-book class and bidentufte-handout class instead tufte-handout class.
- ☞ bidentufte bundle provides the following extra commands:

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

- ☞ bidentufte-book and bidentufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ bidentufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in bidentufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure bidentufte-book class for your own needs, then you can create a file with the name bidentufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure bidentufte-handout class for your own needs, then you can create a file with the name bidentufte-handout.cfg and put your \LaTeX macros in that file.

3.3 Typesetting \TeX and \LaTeX Codes

The \LaTeX codes in this manual are typeset using the bidicode package. In standard \LaTeX you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnextra package that solves the issue of footnote in standard \LaTeX . bidiftnextra package should be loaded after bidi package.



3.4 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying “Unjustified poem. Rerun XeLaTeX to get poem right”.

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use Kashida.

If you need to change the default distance between two verses, you can do just that by:

```
\renewcommand\poemcolsepskip{\langle length \rangle}
```

```
\begin{traditionalpoem}  
  \langle verse1 \rangle & \langle verse2 \rangle \\  
  \langle verse3 \rangle & \langle verse4 \rangle \\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  \langle verse1 \rangle & \langle verse2 \rangle  
  \langle verse3 \rangle & \langle verse4 \rangle  
  ...  
\end{traditionalpoem*}
```

3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`² class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the doc folder than you can look and learn how you can use it.

3.6 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape ‘container’ page.

²This class is the modified version of `moderncv` class.



3.7 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

4.1 Equating Conditionals

`\eqnewif{<\newconditional1>}{<\newconditional2>}`

In standard \LaTeX , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.
- ☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

4.2 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

4.3 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

4.4 Latin Conditional

`\if@nonlatin`

The packages should set the value of `\if@nonlatin` inside any environment that uses LTR script to false (`\@nonlatinfalse`) and inside any environment that uses RTL script to true (`\@nonlatintrue`).



4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}  
{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of \@iftagsloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By tags, we mean things like leqno or reqno. Please note that in the argument <tags name>, the extension clo should not be given.

4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}  
{<do thing(s) if the definition file is loaded>}  
{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of \@ifdefinitionfileloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By definition file, we mean things like hyperref-bidi.def or wrapfig-bidi.def. Please note that in the argument <definition file name>, the extension def should not be given.

4.7 Tabular Conditional

```
\if@RTLtab
```

If the tabular is typeset RTL, \if@RTLtab is true and if the tabular is typeset LTR, \if@RTLtab is false.

4.8 Footnote Conditional

```
\if@RTL@footnote
```

When footnotes are typeset RTL, \if@RTL@footnote is true and when footnotes are typeset LTR, \if@RTL@footnote is false.

4.9 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

☞ \@ensure@RTL and \@ensure@RL internals make sure that <text> is always typeset RTL, independent on the current mode.

☞ \@ensure@LTR and \@ensure@LR internals make sure that <text> is always typeset LTR, independent on the current mode.



☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

4.10 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.

☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```



5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn \TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

5.4 Paragraph Switching Commands

`\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR`

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi
2 \setRTL%
3 Anyone who reads Old and Middle English literary texts will be
4 familiar with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6
7 \setLTR% Notice the blank line before \setLTR
8 Anyone who reads Old and Middle English literary texts will be
9 familiar with the mid-brown volumes of the EETS, with the symbol
10 of Alfred's jewel embossed on the front cover.
11 \end
```

5.5 Paragraph Switching Environments

`\LTR <text> \endLTR
\RTL <text> \endRTL`

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

5.6 Typesetting Short LTR and RTL Texts

<code>\LRE{<text>}</code>	<code>\LR{<text>}</code>
<code>\RLE{<text>}</code>	<code>\RL{<text>}</code>

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \RLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```



5.7 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```
1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end
```

5.9 Typesetting Logos

`\XeTeX`

`bidi` defines \XeTeX logo and in addition, it makes sure that the logo, \TeX is typeset LTR.

6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.



6.1 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

6.2 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

6.3 Direction Ensuring Macros

`\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}`

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

6.4 Reset Direction Macro

`\save@dir \saved@@dir \reset@dir`

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX]
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\rightright\else\leftskip\fi#3\relax \advance\if@RTL\rightright\else\leftskip\fi#3\relax
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 {\thesecount\@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 \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43 \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnmark{%
45 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48 \insert\footins{%
49 \@RTLtrue%
50 \normalfont\footnotesize
51 \interlinepenalty\interfootnotelinepenalty
52 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53 \floatingpenalty\@MM \hsize\columnwidth
54 \@parboxrestore \parindent\normalparindent \sloppy
55 \protected@edef\@currentlabel{%
56 \csname p@footnote\endcsname\@thefnmark}%

```



```

57 \makefnintext{%
58 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63 \insert\footins{%
64 \RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty\@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode`\.=\@m
90 }{%
91 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
92 \endlist
93 }
94 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
95 \columnseprule\z@ \columnsep 35\p@
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3\p@\relax
100 \ifRTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
104 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
105 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

107 \topnum\z@ % this prevents figures from falling at the top of page 1
108 \setcopyright
109 \thispagestyle{firstpage}% this sets first page specifications
110 \uppercasenonmath\shorttitle
111 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
112 \else \andify\shortauthors
113 \fi
114 \@maketitle@hook
115 \begingroup
116 \@maketitle
117 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
118 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
119 \edef\@tempa{%
120   \onx\markboth{\the\toks4
121     \onx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \cleartopmattertags
126 }

```

7.2 adjmulticol-xetex-bidi.def

```

127 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol packa
128 \def\adjmulticols#1#2#3{\col@number#1\relax
129   \def\@tempa{#2}%
130   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
131   \def\@tempa{#3}%
132   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
133   \ifnum\col@number<\@ne
134     \PackageWarning{adjmulticol}%
135       {Using '\number\col@number'
136         columns doesn't seem a good idea.^^J
137         I therefore use one columns instead}%
138     \col@number\@ne\fi
139   \ifnum\col@number>10
140     \PackageError{adjmulticol}%
141       {Too many columns}%
142     {Current implementation doesn't
143       support more than 10 columns.%
144       \MessageBreak
145       I therefore use 10 columns instead}%
146     \col@number10 \fi
147   \ifx\@footnotetext\mult@footnotetext\else
148     \let\orig@footnotetext\@footnotetext
149     \let\@footnotetext\mult@footnotetext
150   \fi
151   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
152     \let\orig@LTRfootnotetext\@LTRfootnotetext
153     \let\@LTRfootnotetext\mult@LTRfootnotetext

```



```

154 \fi
155 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156 \let\orig@RTLfootnotetext\@RTLfootnotetext
157 \let\@RTLfootnotetext\mult@RTLfootnotetext
158 \fi
159 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
160 \let\adjmc@page@sofar@orig=\page@sofar

```

7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e packa
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
171 \renewcommand{\@algocf@start}{%
172 \algoskip%
173 \begin{bidi@lrbox}{\algocf@algorithmbox}%
174 \setlength{\algowidth}{\hsize}%
175 \vbox\bgroup% save all the algo in a box
176 \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177 \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178 % initialization
179 \addtolength{\hsize}{-1.5\algomargin}%
180 \let\@mathsemicolon=\; \def\;{\ifmmode\@mathsemicolon\else\@endalgoin\fi}%
181 \raggedright\AlFnt}%
182 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
183 \@algoinsideskip%
184 % \let\@emathdisplay=\]\def\]{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \@algoinsideskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox wich contains [margin][vtop]
190 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
191 %
192 \egroup%end of main vbox
193 \end{bidi@lrbox}%
194 \algocf@makethealgo% print the algo
195 \algoskip%
196 % restore dimension and macros
197 \setlength{\hsize}{\algowidth}%
198 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
199 \let\;=\@mathsemicolon%
200 \let\]=\@emathdisplay%

```



201 }%

7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeT
203 \def\tocline#1#2#3#4#5#6#7{\relax
204 \ifnum #1>\c@tocdepth % then omit
205 \else
206 \par \addpenalty\@secpenalty\addvspace{#2}%
207 \begingroup \hyphenpenalty\@M
208 \@ifempty{#4}{%
209 \@tempdima\csname r@tocindent\number#1\endcsname\relax
210 }{%
211 \@tempdima#4\relax
212 }%
213 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#3\relax
214 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217 \nobreak
218 \endgroup
219 \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225 \columnseprule\z@ \columnsep 35\p@
226 \@indextitlestyle
227 \thispagestyle{plain}%
228 \let\item\@idxitem
229 \parindent\z@ \parskip\z@\@plus.3\p@\relax
230 \if@RTL\raggedleft\else\raggedright\fi
231 \hyphenpenalty\@M
232 \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\right@footnoterule{%
237 \kern-.4\p@
238 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239 \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244 \insert\footins{%
245 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246 \normalfont\footnotesize
247 \interlinepenalty\interfootnotelinepenalty

```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefnintext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefnintext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefnintext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\@bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
294   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
295     \leftmargin\labelwidth \advance\leftmargin\labelsep
296     \usecounter{enumiv}}%
297   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

298 \sfcode`\.=\@m
299 }{%
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\@xp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34\p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2016/09/12 v1.0 bidi adaptations for amsmath package for X
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332 \ifundefined{c@#2}{\@nocounterr{#2}}{%
333 \ifundefined{c@#3}{\@nocnterr{#3}}{%
334 \addtoreset{#2}{#3}%
335 \xp\xdef\csname the#2\endcsname{%
336 \xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform#1{\maketag@@@{\if@nonlatin\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\ifnon

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package for X
340 \def\textdef#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\f@size#2\selectfont

```



```
343 \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}
```

7.7 amsthm-xetex-bidi.def

```
344 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeT
345 \def\@thmcountersep{\@SepMark}
```

7.8 animate-xetex-bidi.def

```
346 \ProvidesFile{animate-xetex-bidi.def}[2016/05/03 v0.2 bidi adaptations for animate package for X
347
348
349 %user command for embedding animation sequence
350 % #1: options
351 % #2: frame rate (fps)
352 % #3: basename of graphics file sequence (without frame number and extension)
353 % #4: first frame (integer)
354 % #5: last frame (integer)
355 \renewcommand{\animategraphics}[5][{}]{%
356   \@anim@endsanitize%
357   \leavevmode%
358   \ifpdf\else%
359     \if@anim@grxloaded%
360       \if@anim@xetex%
361         \DeclareGraphicsRule{.mps}{eps}{*}{*}%
362         \fi%
363       \else%
364         \if@anim@xetex%
365           \@anim@missing[xetex]{graphicx}%
366         \else%
367           \if@anim@dvi pdfmx%
368             \@anim@missing[dvi pdfmx]{graphicx}%
369           \else%
370             \@anim@missing{graphicx}%
371           \fi%
372         \fi%
373       \fi%
374     \fi%
375     \@anim@reset% to default settings
376     \begingroup% make use of graphic[xs] search path
377     \beginL%
378     \ifcsname Ginput@path\endcsname%
379       \let\input@path\Ginput@path%
380     \fi%
381     %
382     \setkeys{anim@user}{#1}%
383     \ifthenelse{\boolean{@anim@autoplay}}\OR\boolean{@anim@autoresume}}{%
384       \setboolean{@anim@autoplayorresume}{true}%
385     }{}%
386     \ifthenelse{\boolean{@anim@controls}}\OR\boolean{@anim@palindrome}}{%
387       \setboolean{@anim@morejs}{true}%
388     }{}%
```



```

388 }{}%
389 \ifx\empty\@anim@label\empty\else%
390   \setboolean{@anim@morejs}{true}%
391 \fi%
392 \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
393   \setboolean{@anim@loop}{true}%
394 }{}%
395 \def\@anim@base{#3}%
396 \def\@anim@first{#4}%
397 \def\@anim@last{#5}%
398 %
399 \@anim@checkmultipage{\@anim@base}{\@anim@ftype}%test for multipage file
400 \if@anim@multipage\else% cope with wrong user input
401   \ifthenelse{equal{#4}{}}\OR{equal{#5}{}}{%
402     \PackageError{animate}{%
403       Missing frame number in \protect\animategraphics\space command%
404     }{}%
405   }{}%
406   \ifthenelse{\@anim@first<\z@\OR\@anim@last<\z@}{%
407     \PackageError{animate}{%
408       Negative frame numbers not allowed%
409     }{}%
410   }{}%
411 \fi%
412 \def\@anim@relop{>}%
413 \edef\@anim@numtemplate{\@anim@first}%
414 \ifnum\@anim@first>\@anim@last\relax%
415   \edef\@anim@every{-\@anim@every}%
416   \def\@anim@relop{<}%
417   \edef\@anim@numtemplate{\@anim@last}%
418 \fi%
419 \global\@anim@curframe=\@anim@first%
420 \global\@anim@curframe@zb=\z@%
421 %
422 \if@anim@draft%
423   \if@anim@multipage%
424     %store file in a box
425     \@anim@filebox{\@anim@pathtofile}{\@anim@first}%
426   \else%
427     %get file name extension
428     \@anim@getpath{\@anim@base\@anim@first}{\@anim@ftype}%
429     \@anim@filebox{\@anim@pathtofile}{1}%
430   \fi%
431   \@anim@scale{\@anim@box}%
432   %draw draftbox according to dimensions of the first frame
433   \@anim@draftbox%
434 \else%
435   \if@anim@controls%
436     %create button faces only once in the current colour combination
437     \ifcsname

```



```

438         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
439         \@anim@makebuttons{\the\@anim@num}%
440         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
441         \fi%
442     \fi%
443     \xdef\@anim@nfps{#2\space}% current frame rate
444     \xdef\@anim@nfps{\expandafter\zap@space\@anim@nfps\@empty}%
445     \ifdim\@anim@nfps\p<\z@%
446         \PackageError{animate}{%
447             Negative frame rate '\@anim@nfps' is not allowed%
448         }{}%
449     \fi%
450     \xdef\@anim@fps{\@anim@nfps}%
451     %
452     %read all frames of the sequence
453     \loop\ifnum\@anim@curframe\@anim@relop\@anim@last\relax\else%
454         \if@anim@multipage%
455             %embed graphics
456             \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
457                 \@anim@pathtofile}{\the\@anim@curframe}%
458         \else%
459             %get path to current file end its extension
460             \@anim@getpath{%
461                 \@anim@base\@anim@pad{\@anim@numtemplate}{\the\@anim@curframe}%
462             }{\@anim@ftype}%
463             %embed graphics
464             \@anim@ximage{\the\@anim@num}{\the\@anim@curframe@zb}{%
465                 \@anim@pathtofile}{1}%
466         \fi%
467         \global\advance\@anim@curframe by \@anim@every%
468         \global\advance\@anim@curframe@zb by \@ne%
469     \repeat%
470     \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
471     \global\@anim@tmpcnt=\@anim@frames%
472     \global\advance\@anim@tmpcnt by -\@ne%
473     \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
474     %build timeline from optional timeline file
475     \@anim@sanitizeJS%
476     \if@anim@timeline\@anim@buildtmln{\the\@anim@num}\fi%
477     % if last frame used as poster, write frame num to aux file
478     \ifnum\@anim@poster=\@anim@mone\relax%
479         \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
480     \fi%
481     %insert animation widget & controls
482     \@anim@insertwidgets{\the\@anim@num}{%
483         \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
484     \@anim@endsanitize%
485 \fi%
486 \endL%
487 \endgroup%

```



```

488 \global\advance\@anim@num by \@ne%
489 }%
490 %adjust catcode of `:' character within \animategraphics
491 \let\@anim\animategraphics\animategraphics
492 \def\animategraphics{\@anim@sanitizeColon\@anim\animategraphics}
493
494
495
496 %user environment for animating inline graphics
497 % #1: options
498 % #2: frame rate (fps)
499 \renewenvironment{animateinline}[2][]{%
500   \@anim@endsanitize%
501   \leavevmode%
502   \@anim@reset% to default settings
503   \beginngroup%
504   \beginL%
505   % make use of graphic[xs] search path
506   \ifcsname Ginput@path\endcsname%
507     \let\input@path\Ginput@path%
508   \fi%
509   \setkeys{anim@user}{#1}%
510   \ifthenelse{\boolean{@anim@autoplay}\OR\boolean{@anim@autoresume}}{%
511     \setboolean{@anim@autoplayorresume}{true}%
512   }{}%
513   \ifthenelse{\boolean{@anim@controls}\OR\boolean{@anim@palindrome}}{%
514     \setboolean{@anim@morejs}{true}%
515   }{}%
516   \ifx\empty\@anim@label\empty\else%
517     \setboolean{@anim@morejs}{true}%
518   \fi%
519   \ifthenelse{\NOT\boolean{@anim@controls}\AND\boolean{@anim@step}}{%
520     \setboolean{@anim@loop}{true}%
521   }{}%
522   \global\@anim@curframe@zb=\z@%
523   \global\@anim@skipfram=\z@%
524   \if@anim@draft\else%
525     %create button faces if necessary
526     \if@anim@controls%
527       \ifcsname
528         btncol:\@anim@bgcolour:\@anim@fgcolour\endcsname\else%
529         \@anim@makebuttons{\the\@anim@num}%
530         \@anim@newkey{btncol:\@anim@bgcolour:\@anim@fgcolour}{\the\@anim@num}%
531       \fi%
532     \fi%
533     \if@anim@step\else%
534       \xdef\@anim@nfps{-1}%
535       \@anim@processfpsarg{#2}%
536     \fi%
537   \fi%

```



```

538 \ifdefined\NoHyper\NoHyper\fi% silently suppress any hyperref specials
539 \let\newframe\@anim@newframe%
540 \let\multiframe\@anim@multiframe%
541 \@anim@beginframe%
542 \ignorespaces%
543 }{
544 \unskip%
545 \@anim@endframe{\the\@anim@num}{\the\@anim@curframe@zb}%
546 \ifdefined\endNoHyper\endNoHyper\fi%
547 \global\advance\@anim@curframe@zb by \@ne%
548 \if@anim@draft\else%
549 \xdef\@anim@frames{\the\@anim@curframe@zb}% total number
550 \global\@anim@tmpcnt=\@anim@frames%
551 \global\advance\@anim@tmpcnt by -\@ne%
552 \xdef\@anim@maxframe{\the\@anim@tmpcnt}% highest frame index
553 %build timeline from optional timeline file
554 \@anim@sanitizeJS%
555 \if@anim@timeline\@anim@buildtmln{\the\@anim@num}\fi%
556 %insert animation widget & controls
557 \@anim@insertwidgets{\the\@anim@num}{%
558   \@anim@getkeyval{btncol:\@anim@bgcolour:\@anim@fgcolour}}%
559 \@anim@endsanitize%
560 % if last frame used as poster, write frame num to aux file
561 \ifnum\@anim@poster=\@anim@mone\relax%
562   \@anim@keytoaux{a\the\@anim@num.poster}{\@anim@maxframe}%
563 \fi%
564 \fi%
565 \endL%
566 \endgroup%
567 \global\advance\@anim@num by \@ne%
568 }
569 \let\@anim@animateinline\animateinline
570 \def\animateinline{\@anim@sanitizeColon\@anim@animateinline}

```

7.9 array-xetex-bidi.def

```

571 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
572 \def\@testpach{\@chclass
573 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
574 \ifnum \@lastchclass=7 5 \else
575 \ifnum \@lastchclass=8 \tw@ \else
576 \ifnum \@lastchclass=9 \thr@@
577 \else \z@
578 \ifnum \@lastchclass = 10 \else
579 \edef\@nextchar{\expandafter\string\@nextchar}%
580 \@chnum
581 \if \@nextchar c\z@ \else
582 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
583 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
584 \z@ \@chclass

```




```

585 \if\@nextchar |\@ne \else
586 \if \@nextchar !6 \else
587 \if \@nextchar @7 \else
588 \if \@nextchar <8 \else
589 \if \@nextchar >9 \else
590 10
591 \@chnum
592 \if \@nextchar m\thr@@\else
593 \if \@nextchar p4 \else
594 \if \@nextchar b5 \else
595 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
596 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
597 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
598 \leavevmode
599 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
600 \let\d@llarend\endR
601 \@tabarray}
602 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \height \arraystretch \@tempdima
609 \depth \arraystretch \dp \strutbox
610 \width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endR
617 \@arrayleft
618 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop
625 \def\@tabarray{\@ifnextchar[\@array]{\@array[c]}}
626 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
629 \@RTLtabfalse\@tabarray}

```

7.10 article-xetex-bidi.def

```

630 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article clas
631 \if@titlepage

```



```

632 \renewcommand\maketitle{\begin{titlepage}%
633 \let\footnotesize\small
634 \let\right@footnoterule\relax
635 \let\left@footnoterule\relax
636 \let\textwidth@footnoterule\relax
637 \let \footnote \thanks
638 \let \LTRfootnote \LTRthanks
639 \let \RTLfootnote \RTLthanks
640 \null\vfil
641 \vskip 60\p@
642 \begin{center}%
643 {\LARGE \@title \par}%
644 \vskip 3em%
645 {\large
646 \lineskip .75em%
647 \begin{tabular}[t]{c}%
648 \@author
649 \end{tabular}\par}%
650 \vskip 1.5em%
651 {\large \@date \par}% % Set date in \large size.
652 \end{center}\par
653 \@thanks
654 \vfil\null
655 \end{titlepage}%
656 \setcounter{footnote}{0}%
657 \global\let\thanks\relax
658 \global\let\LTRthanks\relax
659 \global\let\RTLthanks\relax
660 \global\let\maketitle\relax
661 \global\let\@thanks\@empty
662 \global\let\@author\@empty
663 \global\let\@date\@empty
664 \global\let\@title\@empty
665 \global\let\title\relax
666 \global\let\author\relax
667 \global\let\date\relax
668 \global\let\and\relax
669 }
670 \else
671 \renewcommand\maketitle{\par
672 \begingroup
673 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
674 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
675 \long\def\@makefntext##1{\parindent 1em\noindent
676 \hb@xt@1.8em{%
677 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
678 \if@twocolumn
679 \ifnum \col@number=\@ne
680 \@maketitle
681 \else

```



```

682         \twocolumn[\@maketitle]%
683     \fi
684 \else
685     \newpage
686     \global\@topnum\z@    % Prevents figures from going at top of page.
687     \@maketitle
688 \fi
689 \thispagestyle{plain}\@thanks
690 \endgroup
691 \setcounter{footnote}{0}%
692 \global\let\thanks\relax
693 \global\let\LTRthanks\relax
694 \global\let\RTLthanks\relax
695 \global\let\maketitle\relax
696 \global\let\@maketitle\relax
697 \global\let\@thanks\@empty
698 \global\let\@author\@empty
699 \global\let\@date\@empty
700 \global\let\@title\@empty
701 \global\let\title\relax
702 \global\let\author\relax
703 \global\let\date\relax
704 \global\let\and\relax
705 }
706 \def\@maketitle{%
707     \newpage
708     \null
709     \vskip 2em%
710     \begin{center}%
711         \let \footnote \thanks
712         \let \LTRfootnote \LTRthanks
713         \let \RTLfootnote \RTLthanks
714         {\LARGE \@title \par}%
715         \vskip 1.5em%
716         {\large
717             \lineskip .5em%
718             \begin{tabular}[t]{c}%
719                 \@author
720             \end{tabular}\par}%
721         \vskip 1em%
722         {\large \@date}%
723     \end{center}%
724     \par
725     \vskip 1.5em}
726 \fi
727 \renewcommand*\l@part[2]{%
728     \ifnum \c@tocdepth >-2\relax
729         \addpenalty\@secpenalty
730         \addvspace{2.25em \@plus\p@}%
731         \setlength\@tempdima{3em}%

```



```

732 \begingroup
733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
734 \parfillskip -\@pnumwidth
735 {\leavevmode
736 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
737 \nobreak
738 \if@compatibility
739 \global\@nobreaktrue
740 \everypar{\global\@nobreakfalse\everypar{}}%
741 \fi
742 \endgroup
743 \fi}
744 \renewcommand*\l@section[2]{%
745 \ifnum \c@tocdepth >\z@
746 \addpenalty\@secpenalty
747 \addvspace{1.0em \@plus\p@}%
748 \setlength\@tempdima{1.5em}%
749 \begingroup
750 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
751 \parfillskip -\@pnumwidth
752 \leavevmode \bfseries
753 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
754 \hskip -\if@RTL\rightskip\else\leftskip\fi
755 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
756 \endgroup
757 \fi}
758 \renewcommand\left@footnoterule{%
759 \kern-3\p@
760 \hrule\@width.4\columnwidth
761 \kern2.6\p@}
762 \renewcommand\right@footnoterule{%
763 \kern-3\p@
764 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
765 \kern2.6\p@}
766 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
767 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
768 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
769 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
770 \def\@part[#1]#2{%
771 \ifnum \c@secnumdepth >\m@ne
772 \refstepcounter{part}%
773 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
774 \else
775 \addcontentsline{toc}{part}{#1}%
776 \fi
777 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
778 \interlinepenalty \@M
779 \normalfont
780 \ifnum \c@secnumdepth >\m@ne
781 \Large\bfseries \partname\nobreakspace\thepart

```



```

782     \par\nobreak
783     \fi
784     \huge \bfseries #2%
785     \markboth{}{}\par}%
786     \nobreak
787     \vskip 3ex
788     \@afterheading}
789 \renewenvironment{thebibliography}[1]
790     {\section*{\refname}%
791     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
792     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
793     \list{\@biblabel{\@arabic\c@enumiv}}%
794         {\settowidth\labelwidth{\@biblabel{#1}}%
795         \leftmargin\labelwidth
796         \advance\leftmargin\labelsep
797         \@openbib@code
798         \usecounter{enumiv}%
799         \let\p@enumiv\@empty
800         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
801     \sloppy
802     \clubpenalty4000
803     \@clubpenalty \clubpenalty
804     \widowpenalty4000%
805     \sfcode`.\@m}
806     {\def\@noitemerr
807     {\@latex@warning{Empty `thebibliography' environment}}}%
808     \endlist}
809 \renewenvironment{theindex}
810     {\if@twocolumn
811     \@restonecolfalse
812     \else
813     \@restonecoltrue
814     \fi
815     \columnseprule \z@
816     \columnsep 35\p@
817     \twocolumn[\section*{\indexname}]%
818     \mkboth{\MakeUppercase\indexname}%
819     {\MakeUppercase\indexname}%
820     \thispagestyle{plain}\parindent\z@
821     \parskip\z@ \@plus .3\p@\relax
822     \let\item\@idxitem}
823     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.11 artikel1-xetex-bidi.def

```

824 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
825 \renewenvironment{theindex}{%
826     \if@twocolumn
827     \@restonecolfalse
828     \else

```



```

829 \restonecoltrue
830 \fi
831 \columnseprule \z@
832 \columnsep 35\p@
833 \twocolumn[\section*{\indexname}]%
834 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
835 \thispagestyle{plain}\parindent\z@
836 \parskip\z@ \@plus .3\p@\relax
837 \let\item\@idxitem
838 }{%
839 \if@restonecol\onecolumn\else\clearpage\fi}
840 \renewcommand*{\head@style}{%
841 \interlinepenalty \@M
842 \hyphenpenalty=\@M \exhyphenpenalty=\@M
843 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
844 \if@titlepage
845 \renewenvironment{abstract}{%
846 \titlepage
847 \null\vfil
848 \section*{\SectFont\abstractname}
849 \noindent\ignorespaces}
850 {\par\vfil\null\endtitlepage}
851 \else
852 \renewenvironment{abstract}{%
853 \if@twocolumn
854 \section*{\abstractname}%
855 \else
856 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
857 \section*{\small\SectFont\abstractname}%
858 \noindent\ignorespaces
859 \fi}
860 {\if@twocolumn\else\par\egroup\fi}
861 \fi
862 \renewcommand*{\@regtocline}[3]{%
863 \ifnum #1>\c@tocdepth
864 \else
865 \vskip\z@ \@plus .2\p@
866 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
867 \if@RTL\rightskip\else\leftskip\fi\unitindent
868 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
869 \parfillskip\z@
870 \@tempdima\unitindent
871 \parindent\z@
872 \leavevmode
873 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
874 \hskip 1em \nobreak{\slshape #3}\par
875 }%
876 \fi}
877 \if@oldtoc
878 \renewcommand*{\l@part}[2]{%

```



```

879 \ifnum \c@tocdepth >-2\relax
880 \addpenalty\@secpenalty
881 \addvspace{2.25em \@plus\p@}%
882 \begingroup
883 \setlength\@tempdima{3em}%
884 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
885 \parfillskip -\@pnumwidth
886 {\leavevmode
887 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
888 \nobreak
889 \if@compatibility
890 \global\@nobreaktrue
891 \everypar{\global\@nobreakfalse\everypar{}}%
892 \fi
893 \endgroup
894 \fi}
895 \else
896 \renewcommand*\l@part{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus \p@}%
900 \@regtocline{0}%
901 \fi}
902 \fi
903 \if@oldtoc
904 \renewcommand*\l@section[2]{%
905 \addpenalty\@secpenalty
906 \addvspace{1.0em \@plus\p@}%
907 \setlength\@tempdima{1.5em}%
908 \begingroup
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 \leavevmode \bfseries
912 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
913 \hskip -\if@RTL\rightskip\else\leftskip\fi
914 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
915 \endgroup}
916 \else
917 \renewcommand*\l@section{\@regtocline{1}}
918 \fi
919 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
920 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
921 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
922 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
923 \renewenvironment{thebibliography}[1]
924 {\section*\{refname\}%
925 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
926 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
927 \list{\@biblabel{\@arabic\c@enumiv}}%
928 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

929         \leftmargin\labelwidth
930         \advance\leftmargin\labelsep
931         \@openbib@code
932         \usecounter{enumiv}%
933         \let\p@enumiv\@empty
934         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
935     \sloppy\clubpenalty4000\widowpenalty4000%
936     \sfcode`\.\@m}
937     {\def\@noitemerr
938      {\@latex@warning{Empty `thebibliography' environment}}}%
939     \endlist}
940 \renewcommand*\left@footnoterule{%
941   \kern-3\p@
942   \kern.5\baselineskip
943   \hrule\@width\unitindent
944   \kern.4\baselineskip
945 }
946 \renewcommand*\right@footnoterule{%
947   \kern-3\p@
948   \kern.5\baselineskip
949   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
950   \kern.4\baselineskip}
951 \if@titlepage
952 \renewcommand*\TitleFont{\rmfamily}
953 \renewcommand*\maketitle{%
954   \begin{titlepage}%
955     \let\footnotesize\small
956     \let\right@footnoterule\relax
957     \let\left@footnoterule\relax
958     \let\textwidth@footnoterule\relax
959     \let \footnote \thanks
960     \long\def\@makefnmark##1{\parindent\z@
961       \def\labelitemi{\textendash}\@revlabeltrue
962       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
963     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
964     \if@compatibility\setcounter{page}{0}\fi
965     \null\vfil
966     \vskip 60\p@
967     \begin{center}%
968       \TitleFont
969       {\LARGE \def\\{\penalty -\@M}
970       \if@allcaps
971         \expandafter\uc@nothanks\@title\thanks\relax
972       \else
973         \@title
974       \fi\par}%
975     \vskip 3em%
976     {\large
977       \lineskip .75em \parindent\z@
978       \begin{tabular}[t]{c}%

```




```

979         \if@allcaps
980         \expandafter\uc@authornothanks\@author\and\relax
981         \else
982         \@author
983         \fi
984     \end{tabular}\par}%
985     \vskip 1.5em%
986     {\large
987     \if@allcaps
988     \uppercase\expandafter{\@date}%
989     \else
990     \@date
991     \fi\par}%
992     \end{center}\par
993     \@thanks
994     \vfil\null
995 \end{titlepage}%
996 \setcounter{footnote}{0}%
997 \global\let\thanks\relax
998 \global\let\maketitle\relax
999 \global\let\@thanks\@empty
1000 \global\let\@author\@empty
1001 \global\let\@title\@empty
1002 \global\let\@date\@empty
1003 \global\let\title\relax
1004 \global\let\author\relax
1005 \global\let\date\relax
1006 \global\let\and\relax
1007 }
1008 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1009 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1010     \futurelet\@tempa\uc@ax}
1011 \def\uc@ax{%
1012     \ifx\@tempa\relax
1013     \else
1014     \ \andname \ \ \expandafter\uc@authornothanks
1015     \fi}
1016 \def\uc@tx{\ifx\@tempa\relax
1017     \else \expandafter\uc@ty \fi}
1018 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1019 \else
1020 \renewcommand*\maketitle{\par
1021     \begin{group}
1022     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1023     \def\@makefnmark{\rlap{%
1024         \@textsuperscript{\normalfont\@thefnmark}}}%
1025     \long\def\@makefntext{\@xmakefntext{%
1026         \@textsuperscript{\normalfont\@thefnmark}}}%
1027     \if@twocolumn
1028         \ifnum \col@number=\@ne

```



```

1029         \@maketitle
1030     \else
1031         \twocolumn[\@maketitle]%
1032     \fi
1033 \else
1034     \newpage
1035     \global\@topnum\z@
1036     \@maketitle
1037 \fi
1038 \thispagestyle{plain}\@thanks
1039 \endgroup
1040 \setcounter{footnote}{0}%
1041 \global\let\thanks\relax
1042 \global\let\maketitle\relax
1043 \global\let\@maketitle\relax
1044 \global\let\@thanks\@empty
1045 \global\let\@author\@empty
1046 \global\let\@title\@empty
1047 \global\let\@date\@empty
1048 \global\let\title\relax
1049 \global\let\author\relax
1050 \global\let\date\relax
1051 \global\let\and\relax
1052 }
1053 \def\@maketitle{%
1054     \newpage
1055     \null
1056     \vskip 2em%
1057     \begin{center}%
1058         \let \footnote \thanks
1059         {\LARGE \TitleFont \@title \par}%
1060         \vskip 1.5em%
1061         {\large \TitleFont
1062             \lineskip .5em%
1063             \begin{tabular}[t]{c}%
1064                 \@author
1065             \end{tabular}\par}%
1066         \vskip 1em%
1067         {\large \TitleFont \@date}%
1068     \end{center}%
1069     \par
1070     \vskip 1.5em}
1071 \fi

```

7.12 artikel2-xetex-bidi.def

```

1072 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
1073 \renewenvironment{theindex}{%
1074     \if@twocolumn
1075         \@restonecolfalse

```



```

1076 \else
1077   \@restonecoltrue
1078 \fi
1079 \columnseprule \z@
1080 \columnsep 35\p@
1081 \twocolumn[\section*{\indexname}]%
1082 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1083 \thispagestyle{plain}\parindent\z@
1084 \parskip\z@ \@plus .3\p@\relax
1085 \let\item\@idxitem
1086 }{%
1087 \if@restonecol\onecolumn\else\clearpage\fi}
1088 \renewcommand*{\@regtocline}[3]{%
1089   \ifnum #1>\c@tocdepth
1090     \else
1091       \vskip\z@ \@plus.2\p@
1092       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1093        \if@RTL\righskip\else\leftskip\fi\unitindent
1094        \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
1095        \parfillskip\z@
1096        \@tempdima\unitindent
1097        \advance\@tempdima by \othermargin
1098        \parindent\z@
1099        \leavevmode
1100        \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
1101        \hskip 1em \nobreak{\slshape #3}\par
1102        }%
1103     \fi}
1104 \if@oldtoc
1105 \renewcommand*{\l@section}[2]{%
1106   \addpenalty\@secpenalty
1107   \addvspace{1.0em \@plus\p@}%
1108   \setlength\@tempdima{1.5em}%
1109   \begingroup
1110   \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
1111   \parfillskip -\@pnumwidth
1112   \leavevmode \bfseries
1113   \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
1114   \hskip -\if@RTL\righskip\else\leftskip\fi
1115   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1116   \endgroup}
1117 \else
1118 \renewcommand*{\l@section}{\@regtocline{1}}
1119 \fi
1120 \if@oldtoc
1121 \renewcommand*{\l@part}[2]{%
1122   \ifnum \c@tocdepth >-2\relax
1123     \addpenalty\@secpenalty
1124     \addvspace{2.25em \@plus\p@}%
1125     \begingroup

```



```

1126 \setlength\@tempdima{3em}%
1127 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1128 \parfillskip -\@pnumwidth
1129 {\leavevmode
1130 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1131 \nobreak
1132 \if@compatibility
1133 \global\@nobreaktrue
1134 \everypar{\global\@nobreakfalse\everypar{}}%
1135 \fi
1136 \endgroup
1137 \fi}
1138 \else
1139 \renewcommand*\l@part{%
1140 \ifnum \c@tocdepth >-2\relax
1141 \addpenalty\@secpenalty
1142 \addvspace{2.25em \@plus \p@}%
1143 \regtocline{0}%
1144 \fi}
1145 \fi
1146 \renewcommand*\head@style{%
1147 \interlinepenalty \@M
1148 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1149 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1150 \if@titlepage
1151 \renewenvironment{abstract}{%
1152 \titlepage
1153 \null\vfil
1154 \section*{\SectFont\abstractname}%
1155 \noindent\ignorespaces}
1156 {\par\vfil\null\endtitlepage}
1157 \else
1158 \renewenvironment{abstract}{%
1159 \if@twocolumn
1160 \section*{\abstractname}%
1161 \else
1162 \section*{\hskip\unitindent\small\SectFont\abstractname}%
1163 \list{}{\setlength\listparindent{\unitindent}%
1164 \setlength\parindent {\z@}%
1165 \setlength\leftmargin {\unitindent}%
1166 \setlength\rightmargin {\unitindent}%
1167 \setlength\parsep {\z@}}%
1168 \item[]%
1169 \fi}
1170 {\if@twocolumn\else\par\endlist\fi}
1171 \fi
1172 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1173 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1174 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1175 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

1176 \renewcommand*\left@footnoterule{%
1177   \kern-3\p@
1178   \hrule\@width 3\unitindent
1179   \kern 2.6\p@
1180 }
1181 \renewcommand*\right@footnoterule{%
1182   \kern-3\p@
1183   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
1184   \kern 2.6\p@}
1185 \renewenvironment{thebibliography}[1]
1186   {\section*{\refname}%
1187    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1188    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1189    \list{\@biblabel{\@arabic\c@enumiv}}%
1190          {\settowidth\labelwidth{\@biblabel{#1}}%
1191           \leftmargin\labelwidth
1192           \advance\leftmargin\labelsep
1193           \@openbib@code
1194           \usecounter{enumiv}%
1195           \let\p@enumiv\@empty
1196           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1197   \sloppy\clubpenalty4000\widowpenalty4000%
1198   \sfcode`\.\@m}
1199   {\def\@noitemerr
1200    {\@latex@warning{Empty `thebibliography' environment}}%
1201    \endlist}
1202 \if@titlepage
1203 \renewcommand*\TitleFont{\rmfamily}
1204 \renewcommand*\maketitle{%
1205   \begin{titlepage}%
1206     \let\footnotesize\small
1207     \let\right@footnoterule\relax
1208     \let\left@footnoterule\relax
1209     \let\textwidth\footnoterule\relax
1210     \let \footnote \thanks
1211     \long\def\@makefnmark##1{\parindent\z@
1212       \def\labelitemi{\textendash}\@revlabeltrue
1213       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1214     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1215     \if@compatibility\setcounter{page}{0}\fi
1216     \null\vfil
1217     \vskip 60\p@
1218     \begin{center}%
1219       \TitleFont
1220       {\LARGE \def\\{\penalty -\@M}
1221        \if@allcaps
1222          \expandafter\uc@nothanks\@title\thanks\relax
1223        \else
1224          \@title
1225          \fi\par}%

```



```

1226 \vskip 3em%
1227 {\large
1228 \lineskip .75em \parindent\z@
1229 \begin{tabular}[t]{c}%
1230 \if@allcaps
1231 \expandafter\uc@authornothanks\@author\and\relax
1232 \else
1233 \@author
1234 \fi
1235 \end{tabular}\par}%
1236 \vskip 1.5em%
1237 {\large
1238 \if@allcaps
1239 \uppercase\expandafter{\@date}%
1240 \else
1241 \@date
1242 \fi\par}%
1243 \end{center}\par
1244 \@thanks
1245 \vfil\null
1246 \end{titlepage}%
1247 \setcounter{footnote}{0}%
1248 \global\let\thanks\relax
1249 \global\let\maketitle\relax
1250 \global\let\@thanks\@empty
1251 \global\let\@author\@empty
1252 \global\let\@title\@empty
1253 \global\let\@date\@empty
1254 \global\let\title\relax
1255 \global\let\author\relax
1256 \global\let\date\relax
1257 \global\let\and\relax
1258 }
1259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1261 \futurelet\@tempa\uc@ax}
1262 \def\uc@ax{%
1263 \ifx\@tempa\relax
1264 \else
1265 \\\andname \\\expandafter\uc@authornothanks
1266 \fi}
1267 \def\uc@tx{\ifx\@tempa\relax
1268 \else \expandafter\uc@ty \fi}
1269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1270 \else
1271 \renewcommand*\maketitle{\par
1272 \begin{group
1273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1274 \long\def\@makefnitem##1{\parindent\z@
1275 \def\labelitemi{\textendash}%

```



```

1276     \leavevmode\hb@xt@.5\unitindent{%
1277         \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1278     \if@twocolumn
1279         \ifnum \col@number=\@ne
1280             \@maketitle
1281         \else
1282             \twocolumn[\@maketitle]%
1283         \fi
1284     \else
1285         \newpage
1286         \global\@topnum\z@
1287         \@maketitle
1288     \fi
1289     \thispagestyle{plain}\@thanks
1290 \endgroup
1291 \setcounter{footnote}{0}%
1292 \global\let\thanks\relax
1293 \global\let\maketitle\relax
1294 \global\let\@maketitle\relax
1295 \global\let\@thanks\@empty
1296 \global\let\@author\@empty
1297 \global\let\@title\@empty
1298 \global\let\@date\@empty
1299 \global\let\title\relax
1300 \global\let\author\relax
1301 \global\let\date\relax
1302 \global\let\and\relax
1303 }
1304 \def\@maketitle{%
1305     \newpage
1306     \null
1307     \vskip 2em%
1308     \begin{center}%
1309         \let \footnote \thanks
1310         {\LARGE \TitleFont \@title \par}%
1311         \vskip 1.5em%
1312         {\large \TitleFont
1313             \lineskip .5em%
1314             \begin{tabular}[t]{c}%
1315                 \@author
1316             \end{tabular}\par}%
1317         \vskip 1em%
1318         {\large \TitleFont \@date}%
1319     \end{center}%
1320     \par
1321     \vskip 1.5em}
1322 \fi

```

7.13 artikel3-xetex-bidi.def



```

1323 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1324 \renewenvironment{theindex}{%
1325   \if@twocolumn
1326     \@restonecolfalse
1327   \else
1328     \@restonecoltrue
1329   \fi
1330   \columnseprule \z@
1331   \columnsep 35\p@
1332   \twocolumn[\section*{\indexname}]%
1333   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1334   \thispagestyle{plain}\parindent\z@
1335   \parskip\z@ \@plus .3\p@\relax
1336   \let\item\@idxitem
1337 }{%
1338   \if@restonecol\onecolumn\else\clearpage\fi}
1339 \renewcommand*{\head@style}{%
1340   \interlinepenalty \@M
1341   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1342   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1343 \renewcommand*{\regtocline}[3]{%
1344   \ifnum #1>\c@tocdepth
1345   \else
1346     \vskip\z@\@plus.2\p@
1347     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1348     \if@RTL\rightskip\else\leftskip\fi\unitindent
1349     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1350     \parfillskip\z@
1351     \@tempdima\unitindent
1352     \parindent\z@
1353     \leavevmode
1354     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1355     \hskip 1em \nobreak{\slshape #3}\par
1356   }%
1357   \fi}
1358 \if@oldtoc
1359 \renewcommand*{\l@part}[2]{%
1360   \ifnum \c@tocdepth >-2\relax
1361     \addpenalty\@secpenalty
1362     \addvspace{2.25em \@plus\p@}%
1363     \begingroup
1364       \setlength\@tempdima{3em}%
1365       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1366       \parfillskip -\@pnumwidth
1367       {\leavevmode
1368         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1369       \nobreak
1370       \if@compatibility
1371         \global\@nobreaktrue
1372         \everypar{\global\@nobreakfalse\everypar{}}%

```




```

1373     \fi
1374   \endgroup
1375 \fi}
1376 \else
1377   \renewcommand*\l@part{%
1378     \ifnum \c@tocdepth >-2\relax
1379     \addpenalty\@secpenalty
1380     \addvspace{2.25em \@plus \p@}%
1381     \@regtocline{0}%
1382   \fi}
1383 \fi
1384
1385 \if@oldtoc
1386 \renewcommand*\l@section[2]{%
1387   \addpenalty\@secpenalty
1388   \addvspace{1.0em \@plus \p@}%
1389   \setlength\@tempdima{1.5em}%
1390   \begingroup
1391   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1392   \parfillskip -\@pnumwidth
1393   \leavevmode \bfseries
1394   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1395   \hskip -\if@RTL\rightskip\else\leftskip\fi
1396   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1397   \endgroup}
1398 \else
1399   \renewcommand*\l@section{\@regtocline{1}}
1400 \fi
1401 \if@titlepage
1402   \renewenvironment{abstract}{%
1403     \titlepage
1404     \null\vfil
1405     \section*{\SectFont\abstractname}%
1406     \noindent\ignorespaces}
1407   {\par\vfil\null\endtitlepage}
1408 \else
1409   \renewenvironment{abstract}{%
1410     \if@twocolumn
1411       \section*{\abstractname}%
1412     \else
1413       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1414       \section*{\small\SectFont\abstractname}%
1415       \noindent\ignorespaces
1416     \fi}
1417   {\if@twocolumn\else\par\egroup\fi}
1418 \fi
1419 \renewcommand*\left@footnoterule{%
1420   \kern-3\p@
1421   \kern.5\baselineskip
1422   \hrule\@width\unitindent

```



```

1423 \kern.4\baselineskip
1424 }
1425 \renewcommand*\right@footnoterule{%
1426 \kern-3\p@
1427 \kern.5\baselineskip
1428 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1429 \kern.4\baselineskip}
1430 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1431 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1432 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1433 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1434 \renewenvironment{thebibliography}[1]
1435 {
1436 \section*{\refname}%
1437 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1438 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1439 \list{\@biblabel{\@arabic\c@enumiv}}%
1440 {\settowidth\labelwidth{\@biblabel{#1}}%
1441 \leftmargin\labelwidth
1442 \advance\leftmargin\labelsep
1443 \openbib@code
1444 \usecounter{enumiv}%
1445 \let\p@enumiv\@empty
1446 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1447 \sloppy\clubpenalty4000\widowpenalty4000
1448 \sfcode\.\@m
1449 {\def\@noitemerr
1450 {\@latex@warning{Empty `thebibliography' environment}}%
1451 \endlist}
1452 \if@titlepage
1453 \renewcommand*\TitleFont{\rmfamily}
1454 \renewcommand*\maketitle{%
1455 \begin{titlepage}%
1456 \let\footnotesize\small
1457 \let\right@footnoterule\relax
1458 \let\left@footnoterule\relax
1459 \let\textwidth\footnoterule\relax
1460 \let\footnote\thanks
1461 \long\def\@makefnmark{\parindent\z@
1462 \def\labelitemi{\textendash}\@revlabeltrue
1463 \leavevmode\textsuperscript{\@thefnmark}\kern1em\relax #1}
1464 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1465 \if@compatibility\setcounter{page}{0}\fi
1466 \null\vfil
1467 \vskip 60\p@
1468 \begin{center}%
1469 \TitleFont
1470 {\LARGE \def\{\penalty -\@M}
1471 \if@allcaps
1472 \expandafter\uc@nothanks\@title\thanks\relax
1473 \else

```



```

1473         \@title
1474         \fi\par}%
1475     \vskip 3em%
1476     {\large
1477         \lineskip .75em \parindent\z@
1478         \begin{tabular}[t]{c}%
1479             \if@allcaps
1480                 \expandafter\uc@authornothanks\@author\and\relax
1481             \else
1482                 \@author
1483             \fi
1484         \end{tabular}\par}%
1485     \vskip 1.5em%
1486     {\large
1487         \if@allcaps
1488             \uppercase\expandafter{\@date}%
1489         \else
1490             \@date
1491         \fi\par}%
1492     \end{center}\par
1493     \@thanks
1494     \vfil\null
1495 \end{titlepage}%
1496 \setcounter{footnote}{0}%
1497 \global\let\thanks\relax
1498 \global\let\maketitle\relax
1499 \global\let\@thanks\@empty
1500 \global\let\@author\@empty
1501 \global\let\@title\@empty
1502 \global\let\@date\@empty
1503 \global\let\title\relax
1504 \global\let\author\relax
1505 \global\let\date\relax
1506 \global\let\and\relax
1507 }
1508 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1509 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1510     \futurelet\@tempa\uc@ax}
1511 \def\uc@ax{%
1512     \ifx\@tempa\relax
1513     \else
1514         \\\andname \\\expandafter\uc@authornothanks
1515     \fi}
1516 \def\uc@tx{\ifx\@tempa\relax
1517     \else \expandafter\uc@ty \fi}
1518 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1519 \else
1520 \renewcommand*\maketitle{\par
1521     \begin{group
1522     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

1523 \def\@makefnmark{\rlap{%
1524 \textsuperscript{\normalfont\@thefnmark}}}%
1525 \long\def\@makefntext{\@xmakefntext{%
1526 \textsuperscript{\normalfont\@thefnmark}}}%
1527 \if@twocolumn
1528 \ifnum \col@number=\@ne
1529 \maketitle
1530 \else
1531 \twocolumn[\maketitle]%
1532 \fi
1533 \else
1534 \newpage
1535 \global\@topnum\z@
1536 \maketitle
1537 \fi
1538 \thispagestyle{plain}\@thanks
1539 \endgroup
1540 \setcounter{footnote}{0}%
1541 \global\let\thanks\relax
1542 \global\let\maketitle\relax
1543 \global\let\@maketitle\relax
1544 \global\let\@thanks\@empty
1545 \global\let\@author\@empty
1546 \global\let\@title\@empty
1547 \global\let\@date\@empty
1548 \global\let\title\relax
1549 \global\let\author\relax
1550 \global\let\date\relax
1551 \global\let\and\relax
1552 }
1553 \def\@maketitle{%
1554 \newpage
1555 \null
1556 \vskip 2em%
1557 \if@titlecentered
1558 \begin{center}%
1559 \let \footnote \thanks
1560 {\LARGE \TitleFont \@title \par}%
1561 \vskip 1.5em%
1562 {\large \TitleFont
1563 \lineskip .5em%
1564 \begin{tabular}[t]{c}%
1565 \author
1566 \end{tabular}\par}%
1567 \vskip 1em%
1568 {\large \TitleFont \@date}%
1569 \end{center}%
1570 \else
1571 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1572 {\large \TitleFont \lineskip .5em \tabcolsep\z@

```



```

1573         \def\and{%% \begin{tabular} has already started
1574             \end{tabular}\hskip 1em plus .17fil
1575             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1576             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1577     \vskip 1em {\large \TitleFont \@date}
1578 \fi
1579 \par
1580 \vskip 1.5em}
1581 \fi

```

7.14 arydshln-xetex-bidi.def

```

1582 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1583 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1584 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1585 \expandafter\let\csname endtabular*\endcsname\endtabular
1586 \let\adl@array\@array
1587 \def\@array{\adl@everyvbox\everyvbox
1588     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1589     \ifadl@inactive \adl@inactive \else \adl@activate \fi
1590     \let\adl@noalign\noalign
1591     \adl@array}
1592 \ifadl@usingarypkg
1593 \def\@testpach{\@chclass
1594     \ifnum \@lastchclass=6 \one \@chnum \one \else
1595     \ifnum \@lastchclass=7 5 \else
1596     \ifnum \@lastchclass=8 \tw@ \else
1597     \ifnum \@lastchclass=9 \thr@@
1598     \else \z@
1599     \ifnum \@lastchclass = 10 \else
1600     \edef\@nextchar{\expandafter\string\@nextchar}%
1601     \@chnum
1602     \if \@nextchar c\z@ \else
1603     \if \@nextchar \if@RTLtab r\else l\fi\@one \else
1604     \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1605     \z@ \@chclass
1606     \if \@nextchar |\@one \let\@arrayrule\adl@arrayrule \else
1607     \if \@nextchar : \@one \let\@arrayrule\adl@arraydashrule \else
1608     \if \@nextchar ; \@one \let\@arrayrule\adl@argarraydashrule \else
1609     \if \@nextchar !6 \else
1610     \if \@nextchar @7 \else
1611     \if \@nextchar <8 \else
1612     \if \@nextchar >9 \else
1613     10
1614     \@chnum
1615     \if \@nextchar m\thr@@\else
1616     \if \@nextchar p4 \else
1617     \if \@nextchar b5 \else
1618     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1619     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```



```

1620
1621 \def\@classz{\@classx
1622   \@tempcnta \count@
1623   \prepnext@tok
1624   \@addtopreamble{\ifcase \@chnum
1625     \hfil
1626     \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1627     \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1628     \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1629     \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1630     \adl@endmbox\or
1631     \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1632     \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1633     \fi}\prepnext@tok}
1634 \def\adl@class@start{4}
1635 \def\adl@class@iiiorvii{7}
1636
1637 \else
1638 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1639   \ifnum \@lastchclass=\thr@@ 5\relax \else
1640     \z@ \if #1c\@chnum \z@ \else
1641       \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1642       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643       \@chclass
1644       \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1645       \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1646       \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1647       \if #1\@tw@ \else
1648       \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1649       \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1650
1651 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1652   \or \or \@addamp \or
1653   \@acolampacol \or \@firststampfalse \@acol \fi
1654   \edef\@preamble{\@preamble
1655     \ifcase \@chnum
1656       \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1657       \or \adl@putlrc{\$relax\@sharp$}\hfil
1658       \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1659 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1660   \or \or \@addamp \or
1661   \@acolampacol \or \@firststampfalse \@acol \fi
1662   \edef\@preamble{\@preamble
1663     \ifcase \@chnum
1664       \hfil\adl@putlrc{\@sharp\unskip}\hfil
1665       \or \adl@putlrc{\@sharp\unskip}\hfil
1666       \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1667 \def\adl@class@start{6}
1668 \def\adl@class@iiiorvii{3}
1669 \fi

```



```

1670 \ifpackageloaded{colortbl}{%
1671 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1672 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1673 \let\@endpbox\adl@org@endpbox}
1674 \let\adl@CT@setup\CT@setup
1675 \def\CT@setup{\adl@CT@setup
1676 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1677 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1678 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1679 \let\adl@act@CT@setup\CT@setup
1680 \def\@classz{\@classx
1681 \@tempcnta\count@ \prepnext@tok
1682 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1683 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1684 \expandafter\adl@extract@drsc
1685 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1686 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1687 \@addtopreamble{\ifRTL\beginL\fi%
1688 \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1689 \ifcase \@chnum
1690 \hskip\stretch{.5}\kern\z@
1691 \d@llarbegin
1692 \insert@column
1693 \d@llarend\hskip\stretch{.5}%
1694 \or \d@llarbegin \insert@column \d@llarend \hfill
1695 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1696 \or $\vcenter
1697 \startpbox{\@nextchar}\insert@column \endpbox $\%
1698 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1699 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1700 \fi
1701 \ifRTL\endR\fi\egroup\egroup
1702 \begingroup
1703 \CT@setup
1704 \CT@column@color
1705 \CT@row@color
1706 \CT@cell@color
1707 \CT@do@color
1708 \endgroup
1709 \@tempdima\ht\z@
1710 \advance\@tempdima\minrowclearance
1711 \vrule\@height\@tempdima\@width\z@
1712 \unhbox\z@\ifRTL\endL\fi}%
1713 \prepnext@tok}
1714 \let\adl@act@classz\@classz
1715 \let\adl@org@classz\@classz
1716 }{}

```

7.15 bidi.sty



```

1717 \NeedsTeXFormat{LaTeX2e}
1718 \def\bididate{2016/11/08}
1719 \def\bidiversion{v20.3}
1720 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1721 Bidirectional typesetting in plain TeX and LaTeX]
1722 \edef\@bidi@info{*****~J%
1723 * ~J%
1724 * bidi package (Bidirectional typesetting in~J%
1725 * plain TeX and LaTeX, using XeTeX engine)~J%
1726 * ~J%
1727 * Description: A convenient interface for~J%
1728 * typesetting bidirectional texts in plain TeX~J%
1729 * and LaTeX. The package includes adaptations~J%
1730 * for use with many other commonly-used packages.~J%
1731 * ~J%
1732 * Copyright (c) 2009--2016 Vafa Khalighi~J%
1733 * ~J%
1734 * \bididate, \bidiversion~J%
1735 * ~J%
1736 * License: LaTeX Project Public License, version~J%
1737 * 1.3c or higher (your choice)~J%
1738 * ~J%
1739 * Location on CTAN: /macros/xetex/latex/bidi~J%
1740 * ~J%
1741 * Issue tracker: https://github.com/vafa/bidi/issues~J%
1742 * ~J%
1743 * Support: persian-tex@tug.org~J%
1744 *****}
1745 \typeout{\@bidi@info}
1746 \edef\bidi@everyjob{\the\everyjob}
1747 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1748 \RequirePackage{iftex}
1749 \RequireXeTeX
1750 \RequirePackage{biditools}
1751 \RequirePackage{zref-abspage}
1752 \RequirePackage{auxhook}
1753 \RequirePackage{ltxcmds}
1754 \RequirePackage{xkeyval}
1755 \eqnewif{\if@RTLmain}{\if@rlmain}
1756 \eqnewif{\if@RTL}{\if@rl}
1757 \newif\if@nonlatin
1758 \eqnewif{\if@RTLtab}{\if@tab@rl}
1759 \newif\if@RTLmarginpar
1760 \newif\if@LTRmarginpar
1761 \newif\if@LTRbibitems
1762 \newif\if@RTLbibitems
1763 \newif\if@extrafootnotefeatures
1764 \newif\if@parafootRTL
1765 \newif\if@RTLcolumnfootnotes
1766 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}

```




```

1767 \newif\if@bidi@list@minipage@parbox
1768 \newif\if@bidi@list@minipage@parbox@not@nob
1769 \@RTLmainfalse
1770 \AtBeginDocument{%
1771   \if@RTLmain\else
1772     \if@RTL\@RTLmaintrue%
1773     \else\@RTLmainfalse%
1774     \fi%
1775   \fi%
1776 }
1777 \let\n@xt=\
1778 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1779 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1780 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1781 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1782 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1783   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1784 \input{latex-xetex-bidi.def}
1785 \input{loadingorder-xetex-bidi.def}
1786 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1787   \ifcase\bidi@tempb\relax
1788     \@RTLtrue
1789   \or
1790     \@RTLfalse
1791   \fi}
1792 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1793   \ifcase\bidi@tempb\relax
1794     \@nonlatinfalse
1795   \or
1796     \@nonlatintrue
1797   \fi}
1798 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1799   \ifcase\bidi@tempb\relax
1800     \@RTLtrue
1801   \or
1802     \@RTLfalse
1803   \fi}
1804 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,%
1805   \ifcase\bidi@tempb\relax
1806     \autofootnoterule
1807   \or
1808     \leftfootnoterule
1809   \or
1810     \rightfootnoterule
1811   \or
1812     \SplitFootnoteRule
1813   \or
1814     \textwidthfootnoterule
1815   \fi}
1816 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}

```



```

1817 \ifcase\bidit@tempb\relax
1818 \RTL@footnotetrue
1819 \or
1820 \RTL@footnotefalse
1821 \fi}
1822 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1823 \ifcase\bidit@tempb\relax
1824 \footdir@debugtrue
1825 \or
1826 \footdir@debugfalse
1827 \fi}
1828 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1829 \ifcase\bidit@tempb\relax
1830 \extrafootnotefeaturestrue
1831 \or
1832 \extrafootnotefeaturesfalse
1833 \fi}
1834
1835 \ProcessOptionsX
1836
1837 \ifextrafootnotefeatures
1838 \input{extrafootnotefeatures-xetex-bidi.def}
1839 \fi
1840 \newcount\bidi@digits
1841 \XeTeXinterchartokenstate=\@ne
1842 \newXeTeXintercharclass\bidi@digits@charclass
1843 \newXeTeXintercharclass\bidi@dot@charclass
1844 \newXeTeXintercharclass\bidi@dash@charclass
1845 \XeTeXcharclass \. \bidi@dot@charclass
1846 \XeTeXcharclass \- \bidi@dash@charclass
1847 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1848 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1849 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotDashInterCharToks}
1850 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1851 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dash@charclass = {\DigitsDotDashInterCharToks}
1852 \XeTeXinterchartoks \bidi@dash@charclass \bidi@digits@charclass = {\DigitsDotDashInterCharToks}
1853 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}

```

7.16 bidi.tex

```

1854 \def\bididate{2015/10/16}
1855 \def\bidiversion{v0.3}
1856 \catcode\@=11
1857 \let \protect \relax
1858 \newlinechar``^^J
1859 \edef\@bidi@info{*****^^J%
1860 * ^^J%
1861 * bidi package (Bidirectional typesetting in^^J%
1862 * plain TeX and LaTeX, using XeTeX engine)^^J%
1863 * ^^J%

```



```

1864 * Description: A convenient interface for^^J%
1865 * typesetting bidirectional texts in plain TeX^^J%
1866 * and LaTeX. The package includes adaptations^^J%
1867 * for use with many other commonly-used packages.^^J%
1868 * ^^J%
1869 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1870 * ^^J%
1871 * \bididate, \bidiversion^^J%
1872 * ^^J%
1873 * License: LaTeX Project Public License, version^^J%
1874 * 1.3c or higher (your choice)^^J%
1875 * ^^J%
1876 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1877 * ^^J%
1878 * Issue tracker: https://github.com/vafa/bidi/issues^^J%
1879 * ^^J%
1880 * Support: persian-tex@tug.org^^J%
1881 *****}
1882 \message{\@bidi@info}
1883 \edef\bidi@everyjob{\the\everyjob}
1884 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1885 \input iftex.sty
1886 \RequireXeTeX
1887 \newif\if@RTLmain
1888 \newif\if@RTL
1889 \newif\if@sendedir
1890 \newif\if@RTL@footnote
1891 \@RTLmainfalse
1892 \def\setRTLmain{%
1893   \if@RTLmain\else
1894     \if@RTL\@RTLmaintrue%
1895     \else\@RTLmainfalse%
1896   \fi%
1897   \fi%
1898 }
1899 \let\n@xt=
1900 \protected\def\LRE{\protect\pLRE}%
1901 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1902 \protected\def\RLE{\protect\pRLE}
1903 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1904 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1905   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1906 \input plain-xetex-bidi.def
1907 \catcode`@=12

```

7.17 bidi2in1.sty

```

1908 \NeedsTeXFormat{LaTeX2e}
1909 \ProvidesPackage{bidi2in1}
1910 \pagestyle{plain}

```



```

1911 \newcount\evenpage
1912 \newcount\oddpge
1913 \twocolumn
1914 \def\@oddfoot{\evenpage=\thepage%
1915 \multiply\evenpage by 2%
1916 \oddpge=\the\evenpage%
1917 \advance\oddpge by -1%
1918 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1919 \def\@evenfoot{\evenpage=\thepage%
1920 \multiply\evenpage by 2%
1921 \oddpge=\the\evenpage%
1922 \advance\oddpge by -1%
1923 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1924 \textwidth 9.49in
1925 \textheight 6.7in
1926 \columnsep 0.9in
1927 \columnseprule 0.125pt
1928 \headheight 0cm
1929 \topmargin 0in
1930 \marginparwidth 0in
1931 \marginparsep 0in
1932 \hoffset 0.05in % Corrected
1933 \voffset -0.5in %top margin space is 1.0in by default
1934 \oddsidemargin 0in
1935 \evensidemargin 0in
1936 \headsep 0cm
1937 \topskip 0cm
1938 \parskip 0.15in %
1939 \headsep 0pt
1940 \special{papersize=11.69in,8.26in}
1941 \renewcommand\maketitle{\par
1942 \begingroup
1943 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1944 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1945 \long\def\@makefntext##1{\parindent 1em\noindent
1946 \hb@xt@1.8em{%
1947 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1948 \@maketitle
1949 \@thanks
1950 \endgroup
1951 \setcounter{footnote}{0}%
1952 \global\let\thanks\relax
1953 \global\let\maketitle\relax
1954 \global\let\@maketitle\relax
1955 \global\let\@thanks\@empty
1956 \global\let\@author\@empty
1957 \global\let\@date\@empty
1958 \global\let\@title\@empty
1959 \global\let\title\relax
1960 \global\let\author\relax

```



```

1961 \global\let\date\relax
1962 \global\let\and\relax
1963 }

```

7.18 bidicode.sty

```

1964 \NeedsTeXFormat{LaTeX2e}
1965 \ProvidesPackage{bidicode}
1966 \RequirePackage{xcolor}
1967 \RequirePackage{showexpl}
1968 \definecolor{hellgelb}{rgb}{1,1,0.85}
1969 \definecolor{colKeys}{rgb}{0,0,1}
1970 \definecolor{colIdentifier}{rgb}{0,0,0}
1971 \definecolor{colComments}{rgb}{1,0,0}
1972 \definecolor{colString}{rgb}{0,0.5,0}
1973 \lstset{
1974     language=[LaTeX]TEX,
1975     float=hb,
1976     basicstyle=\ttfamily\small,
1977     identifierstyle=\color{colIdentifier},
1978     keywordstyle=\color{colKeys},
1979     stringstyle=\color{colString},
1980     commentstyle=\color{colComments},
1981     columns=flexible,
1982     tabsize=4,
1983     gobble =1,
1984     extendedchars=true,
1985     showspace=false,
1986     showstringspaces=false,
1987     numbers=left,
1988     numbersep=0.9em,
1989     numberstyle=\tiny, %
1990     frame=single,
1991     captionpos=b,
1992     xleftmargin=1em,
1993     breaklines=true,
1994     breakautoindent=false,
1995     breakindent=0pt,
1996     escapeinside=**,
1997     pos=r,
1998     explpreset={%
1999     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2000     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2001 }
2002 \newcommand\HLON{%
2003     \gdef\lst@alloverstyle##1{%
2004         \fboxrule=0pt
2005         \fboxsep=0pt
2006         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2007     }}

```



```

2008 \newcommand\HLOFF{%
2009   \xdef\lst@alloverstyle##1{##1}%
2010 }
2011 \newcommand\Larg [1]{\normalfont\itshape#1\;}
2012 \newcommand\Larga [1]{\langle$\Larg{#1}$\rangle$}
2013 \newcommand\Largb [1]{\lcb\Larg{#1}\rcb}
2014 \newcommand\Largs [1]{\lsb\Larg{#1}\rsb}
2015 \newcommand\Largr [1]{\lrb\Larg{#1}\rrb}
2016 \newcommand\LBEG [1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2017 \newcommand\LEND [1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
2018
2019 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2020 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
2021 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
2022 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
2023 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
2024 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
2025 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
2026
2027 \def\Lcs#1{\nxLcs{#1}}
2028 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2029 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2030
2031 \def\Coordx#1{$x_{#1}$}
2032 \def\Coordy#1{$y_{#1}$}
2033 \def\Coordz#1{$z_{#1}$}
2034 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2035 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2036 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2037 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
2038 \def\CIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2039 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2040 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2041 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2042 \def\coordx#1{($x_{#1}$)}
2043 \def\coordy#1{($y_{#1}$)}
2044 \def\coordz#1{($z_{#1}$)}
2045 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2046 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2047
2048 \newsavebox{\boxdef}
2049 \newenvironment{BDef}
2050   {\begin{lrbox}\boxdef
2051     \def\arraystretch{1.0}
2052     \begin{tabular}{@{}l@{}l@{}l@{}}
2053   }
2054   {\end{tabular}\end{lrbox}}
2055
2056   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2057   \aftergroup\@afterindentfalse\aftergroup\@afterheading

```



```

2058 }
2059
2060 \newenvironment{BDef*}
2061   {\begin{lrbox}\boxdef
2062     \def\arraystretch{1.0}
2063     \begin{tabular}{@{}l@{}l@{}l@{}}
2064   }
2065   {\end{tabular}\end{lrbox}
2066   {\begin{BCmd*}\fbox{\usebox\boxdef}\end{BCmd*}}
2067   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2068 }
2069 \newenvironment{BCmd}{
2070   \@beginparpenalty-\@lowpenalty
2071   \topsep\BDefaboveskip
2072   \fboxsep3pt
2073   \flushleft}
2074   {\@endparpenalty\@M
2075   \@topsepadd\BDefbelowskip
2076   \endflushleft}
2077
2078 \newenvironment{BCmd*}{
2079   \@beginparpenalty\@M
2080   \topsep\BDefinlineskip
2081   \fboxsep3pt
2082   \flushleft}
2083   {\@endparpenalty5000
2084   \endflushleft}
2085
2086 \newskip\BDefaboveskip
2087 \newskip\BDefbelowskip
2088 \newskip\BDefinlineskip
2089 \setlength\BDefaboveskip{10pt plus 4pt}
2090 \setlength\BDefbelowskip{6pt}
2091 \setlength\BDefinlineskip{6pt}
2092
2093 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2094 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2095 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2096 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.19 bidiftnxtra.sty

```

2097 \NeedsTeXFormat{LaTeX2e}
2098 \ProvidesPackage{bidiftnxtra}
2099 \newtoks\bidip@ftn
2100 \let\FN@sfc@footnote\footnote
2101 \let\FN@sfc@LTRfootnote\LTRfootnote
2102 \let\FN@sfc@RTLfootnote\RTLfootnote
2103 \def\footnote{\ifx\protect\@typeset@protect
2104   \expandafter\FN@sfc@footnote

```



```

2105 \else
2106 \expandafter\FN@sfgobble@opt
2107 \fi
2108 }
2109 \def\LTRfootnote{\ifx\protect\@typeset@protect
2110 \expandafter\FN@sfgobble@LTRfootnote
2111 \else
2112 \expandafter\FN@sfgobble@opt
2113 \fi
2114 }
2115 \def\RTLfootnote{\ifx\protect\@typeset@protect
2116 \expandafter\FN@sfgobble@RTLfootnote
2117 \else
2118 \expandafter\FN@sfgobble@opt
2119 \fi
2120 }
2121 \edef\FN@sfgobble@opt{\noexpand\protect
2122 \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2123 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2124 \@ifnextchar[%]
2125 \FN@sfgobble@twobrace
2126 \@gobble
2127 }
2128 \def\FN@sfgobble@twobrace[#1]#2{
2129 \let\FN@sfgobble@footnotemark\footnotemark
2130 \def\footnotemark{\ifx\protect\@typeset@protect
2131 \expandafter\FN@sfgobble@footnotemark
2132 \else
2133 \expandafter\FN@sfgobble@optonly
2134 \fi
2135 }
2136 \edef\FN@sfgobble@optonly{\noexpand\protect
2137 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2138 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2139 \@ifnextchar[%]
2140 \FN@sfgobble@brace
2141 }%
2142 }
2143 \def\FN@sfgobble@brace[#1]{%
2144 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
2145 \leavevmode \hbox \bgroup
2146 \let\@footnotetext\@bidi@p@ftntext
2147 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2148 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2149 \let\@xfootnotenext\@bidi@p@xftntext
2150 \let\@xfootnote\@bidi@p@xfootnote
2151 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2152 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2153 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2154 \let\@xRTLfootnote\@bidi@p@xRTLfootnote

```




```

2155 \if@RTLtab\beginR \fi
2156 $\let\@acol\@tabacol
2157 \let\@classz\@tabclassz
2158 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2159 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2160 \egroup $\if@RTLtab\endR\fi\egroup
2161 \ifx\@capytype\@undefined
2162 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
2163 \global\@RTLtabfalse}
2164 \long\def\@bidi@p@ftntext#1{%
2165 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2166 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2167 \long\def\@bidi@p@LTRftntext#1{%
2168 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2169 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2170 \long\def\@bidi@p@RTLftntext#1{%
2171 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2172 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2173
2174
2175 \long\def\@bidi@p@xftntext[#1]#2{%
2176 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
2177
2178 \long\def\@bidi@p@xLTRftntext[#1]#2{%
2179 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
2180
2181 \long\def\@bidi@p@xRTLftntext[#1]#2{%
2182 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
2183
2184
2185 \def\@bidi@p@xfootnote[#1]{%
2186 \begingroup
2187 \csname c@\@mpfn\endcsname #1\relax
2188 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2189 \endgroup
2190 \@footnotemark\@bidi@p@xftntext[#1]}
2191
2192
2193 \def\@bidi@p@xLTRfootnote[#1]{%
2194 \begingroup
2195 \csname c@\@mpfn\endcsname #1\relax
2196 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2197 \endgroup
2198 \@footnotemark\@bidi@p@xLTRftntext[#1]}
2199
2200
2201 \def\@bidi@p@xRTLfootnote[#1]{%
2202 \begingroup
2203 \csname c@\@mpfn\endcsname #1\relax
2204 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

2205 \endgroup
2206 \@footnotemark\bidip@xRTLftntext[#1]}
2207
2208 \def\@xfloat #1[#2]{%
2209 \@nodocument
2210 \def \@captype {#1}%
2211 \def \@fps {#2}%
2212 \@onelevel@sanitize \@fps
2213 \def \reserved@b {!}%
2214 \ifx \reserved@b \@fps
2215 \@fpsadddefault
2216 \else
2217 \ifx \@fps \@empty
2218 \@fpsadddefault
2219 \fi
2220 \fi
2221 \ifhmode
2222 \@bsphack
2223 \@floatpenalty -\@Mii
2224 \else
2225 \@floatpenalty-\@Miii
2226 \fi
2227 \ifinner
2228 \@parmoderr\@floatpenalty\z@
2229 \else
2230 \@next\@currbox\@freelist
2231 {%
2232 \@tempcnta \sixt@@n
2233 \expandafter \@tfor \expandafter \reserved@a
2234 \expandafter :\expandafter =\@fps
2235 \do
2236 {%
2237 \if \reserved@a h%
2238 \ifodd \@tempcnta
2239 \else
2240 \advance \@tempcnta \@ne
2241 \fi
2242 \fi
2243 \if \reserved@a t%
2244 \@setfpsbit \tw@
2245 \fi
2246 \if \reserved@a b%
2247 \@setfpsbit 4%
2248 \fi
2249 \if \reserved@a p%
2250 \@setfpsbit 8%
2251 \fi
2252 \if \reserved@a !%
2253 \ifnum \@tempcnta>15
2254 \advance\@tempcnta -\sixt@@n\relax

```



```

2255         \fi
2256     \fi
2257     }%
2258     \@tempcntb \csname ftype@\@capttype \endcsname
2259     \multiply \@tempcntb \@xxxii
2260     \advance \@tempcnta \@tempcntb
2261     \global \count\@currbox \@tempcnta
2262     }%
2263     \@fltovf
2264 \fi
2265 \global \setbox\@currbox
2266     \color@vbox
2267     \normalcolor
2268     \vbox \bgroup
2269         \let\@footnotetext\@bidi@p@fnttext
2270         \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2271         \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2272         \let\@xfootnotenext\@bidi@p@xftntext
2273         \let\@xfootnote\@bidi@p@xfootnote
2274         \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext
2275         \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2276         \let\@xRTLfootnotenext\@bidi@p@xRTLfnttext
2277         \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2278         \hsize\columnwidth
2279         \@parboxrestore
2280         \@floatboxreset
2281 }
2282 \def \@endfloatbox{%
2283     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2284     \@minipagefalse
2285     \outer@nobreak
2286     \egroup                %% end of vbox
2287     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2288     \color@endbox
2289 }

```

7.20 bidi-longtable.sty

```

2290 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2291 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2292     \par
2293     \ifx\multicols\@undefined
2294     \else
2295         \ifnum\col@number>\@ne
2296         \@twocolumntrue
2297         \fi
2298     \fi
2299     \if@twocolumn
2300         \LT@err{longtable not in 1-column mode}\@ehc
2301     \fi

```



```

2302 \begingroup
2303 \@ifnextchar[\LT@array{\LT@array[x]}}
2304 \def\endlongtable{%
2305   \crr
2306   \noalign{%
2307     \let\LT@entry\LT@entry@chop
2308     \xdef\LT@save@row{\LT@save@row}}}%
2309 \LT@echunk
2310 \LT@start
2311 \unvbox\z@
2312 \LT@get@widths
2313 \if@files
2314   {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2315     \gdef\expandafter\noexpand
2316       \csname LT@romannumeral\c@LT@tables\endcsname
2317       {\LT@save@row}}}%
2318   \fi
2319   \ifx\LT@save@row\LT@@save@row
2320   \else
2321     \LT@warn{Column \width s have changed\MessageBreak
2322       in table \thetable}%
2323     \LT@final@warn
2324   \fi
2325   \endgraf\penalty -\LT@end@pen
2326   \endgroup
2327   \global\@mparbottom\z@
2328   \pagegoal\vsiz
2329   \endgraf\penalty\z@\addvspace\LTpost
2330   \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2331 \def\LT@output{%
2332   \ifnum\outputpenalty <-\@Mi
2333     \ifnum\outputpenalty > -\LT@end@pen
2334       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2335     \else
2336       \setbox\z@\vbox{\unvbox\@cclv}%
2337       \ifdim \ht\LT@lastfoot>\ht\LT@foot
2338         \dimen@ \pagegoal
2339         \advance\dimen@-\ht\LT@lastfoot
2340         \ifdim\dimen@<\ht\z@
2341           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2342           \makecol
2343           \outputpage
2344           \setbox\z@\vbox{\box\LT@head}%
2345         \fi
2346       \fi
2347       \global\@colroom\@colht
2348       \global\vsiz\@colht
2349       \vbox
2350       {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2351       \fi

```



```

2352 \else
2353 \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2354 \makecol
2355 \outputpage
2356 \global\ysize\@colroom
2357 \copy\LT@head\nobreak
2358 \fi}

```

7.21 bidimoderncv.cls

```

2359 \NeedsTeXFormat{LaTeX2e}
2360 \ProvidesClass{bidimoderncv}
2361 \newif\if@DEBUG\@DEBUGfalse
2362 \DeclareOption{a4paper}{
2363 \setlength\paperheight{297mm}
2364 \setlength\paperwidth{210mm}}
2365 \DeclareOption{a5paper}{
2366 \setlength\paperheight{210mm}
2367 \setlength\paperwidth{148mm}}
2368 \DeclareOption{b5paper}{
2369 \setlength\paperheight{250mm}
2370 \setlength\paperwidth{176mm}}
2371 \DeclareOption{letterpaper}{
2372 \setlength\paperheight{11in}
2373 \setlength\paperwidth{8.5in}}
2374 \DeclareOption{legalpaper}{
2375 \setlength\paperheight{14in}
2376 \setlength\paperwidth{8.5in}}
2377 \DeclareOption{executivepaper}{
2378 \setlength\paperheight{10.5in}
2379 \setlength\paperwidth{7.25in}}
2380 \DeclareOption{landscape}{
2381 \setlength\@tempdima{\paperheight}
2382 \setlength\paperheight{\paperwidth}
2383 \setlength\paperwidth{\@tempdima}}
2384 \newcommand\@ptsize{}
2385 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2386 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2387 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2388 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2389 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2390 \newif\if@colour\@colourtrue
2391 \DeclareOption{nocolour}{\@colourfalse}
2392 \ExecuteOptions{a4paper,11pt,colour,final}
2393 \ProcessOptions\relax
2394 \input{size1\@ptsize.clo}
2395 \RequirePackage{color}
2396 \RequirePackage{graphicx}
2397 \RequirePackage{ifthen}
2398 \RequirePackage{marvosym}

```



```

2399 \addtolength{\oddsidemargin}{-54pt}
2400 \addtolength{\textwidth}{109pt}
2401 \addtolength{\topmargin}{-70pt}
2402 \addtolength{\textheight}{122pt}
2403 \addtolength{\marginparsep}{-5pt}
2404 \addtolength{\marginparwidth}{-10pt}
2405 \RequirePackage{url}
2406 \RequirePackage{hyperref}
2407 \hypersetup{%
2408   breaklinks,
2409   baseurl      = http://,%
2410   pdfborder    = 0 0 0,%
2411   pdfpagemode  = UseNone,%
2412   pdfstartpage = 1}
2413 \AtEndOfClass{%
2414   \AtBeginDocument{%
2415     \hypersetup{%
2416       pdfauthor      = \@firstname-\@familyname,%
2417       pdftitle       = \@title,%
2418       pdfsubject     = \@firstname-\@familyname,%
2419       pdfkeywords    = \@resumename~\@firstname-\@familyname}}}
2420 \urlstyle{tt}
2421 \RequirePackage{fancyhdr}
2422 \fancypagestyle{plain}{%
2423   \renewcommand{\headrulewidth}{0pt}
2424   \renewcommand{\footrulewidth}{0pt}
2425   \fancyhf{}}
2426 \pagestyle{plain}
2427 \setlength\lineskip{1\p@}
2428 \setlength\normallineskip{1\p@}
2429 \renewcommand\baselinestretch{}
2430 \setlength{\parindent}{0pt}
2431 \setlength{\parskip}{0pt}
2432 \setlength\columnsep{10\p@}
2433 \setlength\columnseprule{0\p@}
2434 \pagestyle{empty}
2435 \pagenumbering{arabic}
2436 \raggedbottom
2437 \onecolumn
2438 \providecommand*\listitemsymbol{\textbullet}
2439 \providecommand*\addresssymbol{}
2440 \providecommand*\mobilesymbol{\Mobilefone}
2441 \providecommand*\phonesymbol{\Telefon}
2442 \providecommand*\faxsymbol{\FAX}
2443 \providecommand*\emailsymbol{\Letter}
2444 \definecolor{firstnamecolour}{rgb}{0,0,0}
2445 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2446 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2447 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2448 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}

```



```

2449 \def\quotecolour#1{\gdef\quotecolour{\addfontfeature{Color=#1}}}
2450 \def\sectiontitlecolour#1{\gdef\sectiontitlecolour{\addfontfeature{Color=#1}}}
2451 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2452 \def\subsectioncolour#1{\gdef\subsectioncolour{\addfontfeature{Color=#1}}}
2453 \def\hintcolour#1{\gdef\hintcolour{\addfontfeature{Color=#1}}}
2454 \providecommand*\{firstfont}\{}
2455 \providecommand*\{familyfont}\{}
2456 \providecommand*\{titlefont}\{}
2457 \providecommand*\{addressfont}\{}
2458 \providecommand*\{quote}\{}
2459 \providecommand*\{sectionfont}\{}
2460 \providecommand*\{subsectionfont}\{}
2461 \providecommand*\{hintfont}\{small}
2462 \providecommand*\{firststyle}[1]{\{firstfont\@firstcolour#1}}
2463 \providecommand*\{familystyle}[1]{\{familyfont\@familycolour#1}}
2464 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2465 \providecommand*\{addressstyle}[1]{\{addressfont\@addresscolour#1}}
2466 \providecommand*\{quotestyle}[1]{\{quote\@quotecolour#1}}
2467 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2468 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2469 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2470 \newcommand*\{cvtheme}[2][{}{
2471   \def\cvtheme#2}
2472   \def\cvthemeoptions{#1}}
2473 \cvtheme{bidi-casual}
2474 \AtBeginDocument{\RequirePackage[\cvthemeoptions]{cvtheme\cvtheme}}
2475 \newcommand*\{resumename}[1]{\def\resumename{#1}}
2476 \newcommand*\{firstname}[1]{\def\firstname{#1}}
2477 \newcommand*\{familyname}[1]{\def\familyname{#1}}
2478 \renewcommand*\{title}[1]{\def\title{#1}}
2479 \newcommand*\{address}[1]{\def\address{#1}}
2480 \newcommand*\{mobile}[1]{\def\mobile{#1}}
2481 \newcommand*\{phone}[1]{\def\phone{#1}}
2482 \renewcommand*\{fax}[1]{\def\fax{#1}}
2483 \newcommand*\{email}[1]{\def\email{#1}}
2484 \newcommand*\{extrainfo}[1]{\def\extrainfo{#1}}
2485 \def\@photowidth{0pt}
2486 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2487 \newcommand*\{quote}[1]{\def\@quote{#1}}
2488 \newlength\quotewidth
2489 \newlength\hintscolumnwidth
2490 \newlength\separatorcolumnwidth
2491 \setlength\separatorcolumnwidth{0.025\textwidth}
2492 \newlength\maincolumnwidth
2493 \newlength\doubleitemmaincolumnwidth
2494 \newlength\listitemsymbolwidth
2495 \settowidth\listitemsymbolwidth{\listitemsymbol{}}
2496 \newlength\listitemmaincolumnwidth
2497 \newlength\listdoubleitemmaincolumnwidth
2498 \newcommand*\{recomputethemlengths}\}

```



```

2499 \newcommand*{\recomputelengths}{%
2500 \setlength{\quotewidth}{0.65\textwidth}%
2501 \setlength{\maincolumnwidth}{\textwidth}%
2502 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2503 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2504 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2505 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2506 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2507 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2508 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2509 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2510 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2511 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2512 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2513 \renewcommand{\headwidth}{\textwidth}%
2514 \recomputethemelengths}
2515 \setlength{\hintscolumnwidth}{0.15\textwidth}
2516 \recomputelengths
2517 \title{}
2518 \renewcommand*{\maketitle}{}
2519 \newcommand*{\section}[1]{%
2520 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2521 \phantomsection}%
2522 \addcontentsline{toc}{part}{#1}%
2523 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangleco
2524 \hspace{\separatorcolumnwidth}%
2525 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
2526 \newcommand*{\subsection}[1]{%
2527 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2528 \newcommand*{\cvline}[3][.25em]{%
2529 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@
2530 \bidi@raggedleft\hintfont{#2} &{#3}%
2531 \end{tabular}}\}[#1]}
2532 \newcommand*{\cvsdoubleitem}[4]{%
2533 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2534 \hfill%
2535 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2536 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}{%
2537 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2538 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}{%
2539 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2540 \hfill%
2541 \ifthenelse{\equal{#3}{}}{%
2542 {}%
2543 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2544 \newcommand*{\cventry}[6]{%
2545 \cvline{#1}{%
2546 {\bfseries#2}%
2547 \ifx#3\else{, {\slshape#3}}\fi%
2548 \ifx#4\else{, #4}\fi%

```




```

2549 \ifx#5\else{, #5}\fi%
2550 .%
2551 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2552 }}%
2553 \newcommand*{\cvlanguage}[3]{%
2554 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}}\hfill\begin{m
2555 \newcommand*{\cvcomputer}[4]{%
2556 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2557 \newcommand*{\link}[2][]{%
2558 \ifthenelse{\equal{#1}{}}{%
2559 {\href{#2}{#2}}%
2560 {\href{#2}{#1}}}
2561 \newcommand*{\httplink}[2][]{%
2562 \ifthenelse{\equal{#1}{}}{%
2563 {\href{http://#2}{#2}}%
2564 {\href{http://#2}{#1}}}
2565 \newcommand*{\emailink}[2][]{%
2566 \ifthenelse{\equal{#1}{}}{%
2567 {\href{mailto:#2}{#2}}%
2568 {\href{mailto:#2}{#1}}}
2569 \newif\if@displaypagenumbers\@displaypagenumberstrue
2570 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2571 \AtBeginDocument{%
2572 \if@displaypagenumbers%
2573 \@ifundefined{r@lastpage}{}%{
2574 \ifthenelse{\pageref{lastpage} > 1}{%
2575 \fancypagestyle{plain}{%
2576 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2577 \pagestyle{plain}}}%{
2578 \AtEndDocument{\label{lastpage}}%
2579 \fi}
2580 \newlength{\bibindent}
2581 \setlength{\bibindent}{1.5em}
2582 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2583 \newenvironment{thebibliography}[1]{%
2584 {%
2585 \section{\refname}%
2586 \small%
2587 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2588 \begin{list}{\bibliographyitemlabel}%
2589 {%
2590 \setlength{\topsep}{0pt}%
2591 \setlength{\labelwidth}{\hintscolumnwidth}%
2592 \setlength{\labelsep}{\separatorcolumnwidth}%
2593 \leftmargin\labelwidth%
2594 \advance\leftmargin\labelsep%
2595 \@openbib@code%
2596 \usecounter{enumiv}%
2597 \let\p@enumiv\@empty%
2598 \renewcommand\theenumiv{\@arabic\c@enumiv}}%

```



```

2599      \sloppy\clubpenalty4000\widowpenalty4000%
2600    }%
2601    {%
2602      \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2603      \end{list}%
2604    }
2605 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2606 \let\@openbib@code\@empty

```

7.22 biditools.sty

```

2607 \NeedsTeXFormat{LaTeX2e}
2608 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2609 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2610   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2611   \ifx\@tempa\@tempb \global\let#2#1%
2612   \else
2613     \edef\@tempb{\meaning#2}%
2614     \ifx\@tempa\@tempb
2615       \else
2616         \@latex@error{Unable to properly define \string#2; primitive
2617           \noexpand#1no longer primitive}\@eha
2618       \fi
2619     \fi
2620   \endgroup}
2621 \newtoks\@bidi@envbody
2622 \newtoks\@bidi@emptytoks
2623 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2624 \def\bidi@collect@body#1{%
2625   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2626   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2627   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2628   \begingroup
2629   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2630   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2631   \bidi@process@envbody
2632 }
2633 \def\bidi@push@begins#1\begin#2{%
2634   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2635 }
2636 \def\bidi@collect@@body#1\end#2{%
2637   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2638   \ifx\@empty\begin@bidi@stack
2639     \endgroup
2640     \@checkend{#2}%
2641     \bidi@addto@envbody{#1}%
2642   \else
2643     \bidi@addto@envbody{#1\end{#2}}%
2644   \fi
2645   \bidi@process@envbody % A little tricky! Note the grouping

```



```

2646 }
2647 \long\def\bididaddto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2648 \long\def\bidicollect@long@body#1{%
2649   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2650 \edef\bidiprocess@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2651 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2652 \begingroup
2653 \expandafter\let\csname\@currenvir\endcsname\bidicollect@long@@body
2654 \edef\bidiprocess@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2655 \bidiprocess@envbody
2656 }
2657 \long\def\bidipush@long@begins#1\begin#2{%
2658   \ifx\end#2\else b\expandafter\bidipush@long@begins\fi
2659 }
2660 \long\def\bidicollect@long@@body#1\end#2{%
2661   \edef\begin@bidi@stack{\bidipush@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
2662   \ifx\@empty\begin@bidi@stack
2663     \endgroup
2664     \@checkend{#2}%
2665     \bididaddto@long@envbody{#1}%
2666   \else
2667     \bididaddto@long@envbody{#1\end{#2}}%
2668   \fi
2669 \bidiprocess@envbody % A little tricky! Note the grouping
2670 }
2671 \long\def\bidinew@ifnextchar#1#2#3{%
2672   \let\reserved@d= #1%
2673   \def\reserved@a{#2}\def\reserved@b{#3}%
2674   \futurelet\@let@token\bidinew@ifnch
2675 }
2676 \def\bidinew@ifnch{%
2677   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2678   \reserved@b
2679 }
2680 \def\bidimatrix@check#1{%
2681   \expandafter\ifx\csname\@currenvir\endcsname#1%
2682   \else\bidimatrix@error#1%
2683     \expandafter\@gobble
2684   \fi
2685 }
2686 \def\bidimatrix@error#1{%
2687   \PackageError{biditools}{%
2688     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2689   }{%
2690     '\string#1{...}' is old bidi package syntax whose use is
2691     ill-advised in the old versions of bidi package.%
2692   }%
2693 }
2694 \def\@tagsextension{clo}
2695 \def\@definitionfileextension{def}

```



```

2696 \def\@texfileextension{tex}
2697 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2698 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2699 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2700 \def\eqnewif#1#2{%
2701   \count@\escapechar \escapechar\m@ne
2702   \let#1\iffalse
2703   \let#2\iffalse
2704   \eq@if#1#2\iftrue
2705   \eq@if#1#2\iffalse
2706   \escapechar\count@}
2707 \def\eq@if#1#2#3{%
2708   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2709     \expandafter\@gobbletwo\string#3\endcsname
2710     {\let#1#3%
2711      \let#2#3}%
2712   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2713     \expandafter\@gobbletwo\string#3\endcsname
2714     {\let#2#3%
2715      \let#1#3}}
2716 \def\@bidi@removefromreset#1#2{%
2717   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2718   \def\@elt##1{%
2719     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2720     \else
2721       \noexpand\@elt{##1}%
2722     \fi}%
2723   \expandafter\xdef\csname cl@#2\endcsname{%
2724     \csname cl@#2\endcsname}}
2725 \newcommand*{\if@bidi@csdef}[1]{%
2726   \ifcsname#1\endcsname
2727   \expandafter\@firstoftwo
2728   \else
2729   \expandafter\@secondoftwo
2730   \fi}
2731 \newcommand*{\if@bidi@csundef}[1]{%
2732   \ifcsname#1\endcsname
2733   \expandafter\ifx\csname#1\endcsname\relax
2734     \expandafter\expandafter
2735     \expandafter\@firstoftwo
2736   \else
2737     \expandafter\expandafter
2738     \expandafter\@secondoftwo
2739   \fi
2740   \else
2741   \expandafter\@firstoftwo
2742   \fi}
2743 \newcommand{\if@bidi@def}[1]{%
2744   \ifdefined#1%
2745   \expandafter\@firstoftwo

```



```

2746 \else
2747 \expandafter\@secondoftwo
2748 \fi}
2749 \newcommand{\if@bidi@undef}[1]{%
2750 \ifdefined#1%
2751 \ifx#1\relax
2752 \expandafter\expandafter
2753 \expandafter\@firstoftwo
2754 \else
2755 \expandafter\expandafter
2756 \expandafter\@secondoftwo
2757 \fi
2758 \else
2759 \expandafter\@firstoftwo
2760 \fi}
2761 \newcommand{\if@bidi@blank}[1]{% from url.sty
2762 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2763 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2764 \newcommand{\bidi@notblank}[1]{%
2765 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2766 \newcommand{\if@bidi@defmacro}{}
2767 \long\edef\if@bidi@defmacro#1{%
2768 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2769 \noexpand\meaning#1\detokenize{macro}:&}
2770 \edef\bidi@ifdefmacro{%
2771 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2772 \bidi@ifdefmacro{\bidi@notblank{#2}}
2773 \newcommand*\if@bidi@csmacro}[1]{%
2774 \if@bidi@csdef{#1}
2775 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2776 {\@secondoftwo}}
2777 \newcommand{\if@bidi@defprimitive}[1]{%
2778 \ifprimitive#1%
2779 \expandafter\@firstoftwo
2780 \else
2781 \expandafter\@secondoftwo
2782 \fi}
2783 \newcommand{\if@bidi@csprimitive}[1]{%
2784 \begingroup\expandafter\expandafter\expandafter\endgroup%
2785 \expandafter\ifprimitive\csname#1\endcsname%
2786 \expandafter\@firstoftwo
2787 \else
2788 \expandafter\@secondoftwo
2789 \fi}
2790 \newcommand*\bidi@csdefcs}[2]{%
2791 \expandafter\@ifdefinable \csname#1\endcsname{%
2792 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2793 \newcommand*\bidi@csletcs}[2]{%
2794 \expandafter\@ifdefinable \csname#1\endcsname{%
2795 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}

```



```

2796 \newcommand*{\bidi@cslet}[2]{%
2797 \expandafter\@ifdefinable \csname#1\endcsname{%
2798 \expandafter\let\csname#1\endcsname#2}}
2799 \newcommand{\bidi@namelongdef}[1]{%
2800 \long\expandafter\def\csname #1\endcsname}
2801 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2802 \def\bidi@ensure@new@command#1{%
2803 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2804 \expandafter\if@bidi@csundef\@gtempa
2805 {\new@command#1}{\relax%
2806 \let\@ifdefinable\@rc@ifdefinable%
2807 \new@command#1}}
2808 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2809
2810 \protected\def\bidi@error{\PackageError{bidi}}
2811 \protected\def\bidi@warning{\PackageWarning{bidi}}
2812 \protected\def\bidi@info{\PackageInfo{bidi}}
2813
2814 \newcommand*{\bidi@newrobustcmd}{%
2815 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2816
2817 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2818
2819 \def\bidi@newcommand#1[#2]{%
2820 \@ifnextchar[%
2821 {\bidi@xargdef#1[#2]}
2822 {\ifx\l@ngrel@x\relax
2823 \let\l@ngrel@x\protected
2824 \else
2825 \protected\def\l@ngrel@x{\protected\long}%
2826 \fi
2827 \@argdef#1[#2]}}
2828
2829 \long\def\bidi@xargdef#1[#2][#3]#4{%
2830 \@ifdefinable#1{%
2831 \expandafter\protected
2832 \expandafter\def
2833 \expandafter#1%
2834 \expandafter{%
2835 \expandafter\@testopt
2836 \csname\string#1\endcsname{#3}}%
2837 \expandafter\@yargdef\csname\string#1\endcsname\tw{#2}{#4}}}}
2838
2839 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2840
2841 \def\bidi@renew@command#1{%
2842 \if@bidi@undef{#1}
2843 {\bidi@error{\string#1 undefined}\@ehc}
2844 {}%
2845 \let\@ifdefinable\@rc@ifdefinable

```



```

2846 \bidi@new@command#1}
2847
2848
2849
2850 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2851
2852 \def\bidi@provide@command#1{%
2853   \if@bidi@undef{#1}
2854     {\def\reserved@a{\bidi@new@command#1}}
2855     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2856   \reserved@a}
2857
2858 \newcommand*{\bidi@csuse}[1]{%
2859   \ifcsname#1\endcsname
2860     \csname#1\expandafter\endcsname
2861   \fi}
2862
2863 \newcommand{\bidi@expandonce}[1]{%
2864   \unexpanded\expandafter{#1}}
2865
2866 \def\bidi@protected{%
2867   \let\@protect\protect
2868   \let\protect\@unexpandable@protect
2869   \afterassignment\restore@protect}
2870
2871 \bidi@newrobustcmd{\bidi@appto}[2]{%
2872   \if@bidi@undef{#1}
2873     {\edef#1{\unexpanded{#2}}}
2874     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2875 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2876   \if@bidi@undef{#1}
2877     {\edef#1{#2}}
2878     {\edef#1{\bidi@expandonce#1#2}}}
2879 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2880   \if@bidi@undef{#1}
2881     {\xdef#1{\unexpanded{#2}}}
2882     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2883 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2884   \if@bidi@undef{#1}
2885     {\xdef#1{#2}}
2886     {\xdef#1{\bidi@expandonce#1#2}}}
2887
2888 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2889 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2890
2891
2892
2893 \bidi@newrobustcmd{\bidi@preto}[2]{%
2894   \if@bidi@undef{#1}
2895     {\edef#1{\unexpanded{#2}}}

```



```

2896     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
2897 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2898   \if@bidi@undef{#1}
2899     {\edef#1{#2}}
2900     {\edef#1{#2\bidi@expandonce#1}}
2901 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2902   \if@bidi@undef{#1}
2903     {\xdef#1{\unexpanded{#2}}}
2904     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}
2905 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2906   \if@bidi@undef{#1}
2907     {\xdef#1{#2}}
2908     {\xdef#1{#2\bidi@expandonce#1}}
2909
2910 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2911 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2912
2913
2914
2915 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2916 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2917 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2918 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2919 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2920 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2921
2922
2923
2924 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2925 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2926 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2927 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2928 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2929 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2930
2931
2932
2933 \bidi@newrobustcmd{\if@bidi@patchable}{%
2934   \bidi@dbg@trce\if@bidi@patchable
2935   \begingroup
2936   \@makeother\#%
2937   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2938
2939 \long\def\bidi@ifpatchable#1#2{%
2940   \endgroup
2941   \bidi@dbg@init#1%
2942   \if@bidi@undef{#1}
2943     {\bidi@dbg@fail{def}}\@secondoftwo}
2944     {\bidi@dbg@info{def}}%
2945     \if@bidi@defmacro{#1}

```




```

2946     {\bidi@dbg@info{mac}}%
2947     \bidi@ifscanable{#1}
2948     {\bidi@ifhashcheck{#2}
2949     {\bidi@dbg@info{tok}}%
2950     \bidi@ifpattern#1{#2}
2951     {\bidi@dbg@info{pat}}%
2952     \bidi@dbg@info{pos}\@firstoftwo}
2953     {\bidi@dbg@fail{pat}\@secondoftwo}}
2954     {\bidi@dbg@fail{hsh}\@secondoftwo}}
2955     {\bidi@dbg@fail{tok}\@secondoftwo}}
2956     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2957
2958 \long\def\bidi@ifpatchable@i#1{%
2959   \endgroup
2960   \bidi@dbg@init#1%
2961   \if@bidi@undef{#1}
2962     {\bidi@dbg@fail{def}\@secondoftwo}
2963     {\bidi@dbg@info{def}}%
2964     \if@bidi@defmacro{#1}
2965       {\bidi@dbg@info{mac}}%
2966       \if@bidi@defparam{#1}
2967         {\bidi@dbg@info{prm}}%
2968         \bidi@ifscanable{#1}
2969         {\bidi@dbg@info{tok}}%
2970         \bidi@dbg@info{pos}\@firstoftwo}
2971         {\bidi@dbg@fail{tok}\@secondoftwo}}
2972         {\bidi@dbg@info{prl}}%
2973         \if@bidi@defprotected{#1}
2974           {\bidi@dbg@info{pro}}
2975           {}%
2976         \bidi@dbg@info{pos}\@firstoftwo}}
2977         {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2978
2979 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2980   \bidi@dbg@trce\bidi@patchcmd
2981   \begingroup
2982   \@makeother\#%
2983   \bidi@@patchcmd}
2984
2985 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2986   \bidi@ifpatchable#2{#3}
2987   {\bidi@dbg@succ{ret}}%
2988   \begingroup
2989   \edef\bidi@resrvda{%
2990     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2991     #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2992     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2993     ####1\detokenize{#4}####2}%
2994     \edef\noexpand\bidi@resrvda{%
2995     \noexpand\bidi@resrvda\meaning#2&}}%

```



```

2996 \bidi@resrvda
2997 \bidi@patchcmd@scantoks\bidi@resrvda
2998 \let#2\bidi@resrvda
2999 \bidi@undef\bidi@resrvda
3000 \@firstoftwo}
3001 {\@secondoftwo}}
3002
3003 \def\bidi@patchcmd@scantoks#1{%
3004 \edef\bidi@resrvda{\endgroup
3005 \unexpanded{\makeatletter\scantoks}{#1}%
3006 \catcode\number`\@=\the\catcode`\@ relax}%
3007 \bidi@resrvda}
3008
3009 \newcommand\bidi@isloaded[2] []{
3010 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname relax
3011 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3012 \fi
3013 \@ifpackageloaded{#2}
3014 {\csname @bidi@#2loaded@true\endcsname #1}
3015 {\csname @bidi@#2loaded@false\endcsname}}
3016
3017 \protected\def\bidi@ifscanable#1{%
3018 \begingroup
3019 \edef\bidi@resrvda{%
3020 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3021 ####1\def\string\bidi@resrvda####2{####3}}}%
3022 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3023 \bidi@resrvda
3024 \makeatletter
3025 \scantoks\expandafter{\bidi@resrvda}%
3026 \expandafter\endgroup\ifx#1\bidi@resrvda
3027 \expandafter\@firstoftwo
3028 \else
3029 \expandafter\@secondoftwo
3030 \fi}
3031
3032
3033 \protected\long\def\bidi@ifhashcheck#1{%
3034 \begingroup
3035 \edef\bidi@resrvda{\detokenize{#1}}%
3036 \expandafter\endgroup
3037 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3038
3039 \edef\bidi@ifhashcheck@i#1&{%
3040 \noexpand\expandafter
3041 \noexpand\bidi@ifhashcheck@ii
3042 \noexpand\strip@prefix#1\string#\string#&}
3043
3044 \edef\bidi@ifhashcheck@ii{%
3045 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string##2&}

```



```

3046 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3047
3048
3049 \protected\long\def\bidi@ifpattern#1#2{%
3050   \begingroup
3051   \edef\bidi@resrvda{%
3052     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3053       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3054   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3055     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3056   \noexpand\bidi@resrvda}
3057 \bidi@resrvda\@secondoftwo\@firstoftwo}
3058
3059
3060 \newcommand{\if@bidi@defparam}{%
3061 \long\edef\if@bidi@defparam#1{%
3062   \noexpand\expandafter\noexpand\bidi@ifdefparam
3063   \noexpand\meaning#1\detokenize{macro}:->&}
3064 \edef\bidi@ifdefparam{%
3065   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3066 \bidi@ifdefparam{\bidi@notblank{#2}}
3067
3068
3069 \newcommand{\if@bidi@defprotected}{%
3070 \long\edef\if@bidi@defprotected#1{%
3071   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3072   \noexpand\meaning#1\string\protected&}
3073 \edef\bidi@ifdefprotected{%
3074   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3075 \bidi@ifdefprotected{\bidi@notblank{#2}}
3076
3077
3078 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3079
3080 \let\bidi@dbg@trce\@gobble
3081 \let\bidi@dbg@init\@gobble
3082 \let\bidi@dbg@info\@gobble
3083 \let\bidi@dbg@succ\@gobble
3084 \let\bidi@dbg@fail\@gobble
3085
3086
3087
3088 \bidi@newrobustcmd*\bidi@apptocmd}{%
3089   \bidi@dbg@trce\bidi@apptocmd
3090   \begingroup
3091   \@makeother\#%
3092   \bidi@hooktocmd\bidi@append}
3093
3094
3095

```



```

3096 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3097   \bidi@dbg@trce\bidi@pretocmd
3098   \begingroup
3099   \@makeother\#%
3100   \bidi@hooktocmd\bidi@prepend}
3101
3102 \long\def\bidi@hooktocmd#1#2#3{%
3103   \endgroup
3104   \bidi@dbg@init#2%
3105   \if\bidi@undef{#2}
3106     {\bidi@dbg@fail{def}\@secondoftwo}
3107     {\bidi@dbg@info{def}%
3108       \if\bidi@defmacro{#2}
3109         {\bidi@dbg@info{mac}%
3110           \if\bidi@defparam{#2}
3111             {\bidi@dbg@info{prm}%
3112               \bidi@ifscanable{#2}
3113                 {\bidi@ifhashcheck{#3}
3114                   {\bidi@dbg@info{tok}%
3115                     \bidi@dbg@succ{ret}%
3116                     \bidi@hooktocmd@i#1#2{#3}%
3117                     \@firstoftwo}
3118                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
3119                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3120             {\bidi@dbg@info{prl}%
3121               \if\bidi@defprotected{#2}
3122                 {\bidi@dbg@info{pro}%
3123                   \bidi@dbg@succ{red}%
3124                   \protected}
3125                 {\bidi@dbg@succ{red}}}%
3126             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3127             \@firstoftwo}}
3128     {\bidi@dbg@fail{mac}\@secondoftwo}}
3129
3130 \long\def\bidi@hooktocmd@i#1#2#3{%
3131   \begingroup
3132   \edef\bidi@resrvda{%
3133     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3{%
3134       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
3135     \edef\noexpand\bidi@resrvda{%
3136       \noexpand\bidi@resrvda\meaning#2&}}%
3137   \bidi@resrvda
3138   \bidi@patchcmd@scantoks\bidi@resrvda
3139   \let#2\bidi@resrvda
3140   \bidi@undef\bidi@resrvda}
3141
3142 \long\def\bidi@append#1#2{#1#2}
3143 \long\def\bidi@prepend#1#2{#2#1}
3144
3145 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}

```



```

3146 \newcommand*{\bidi@endpreamblehook}{}
3147
3148 \bidi@preto\document{%
3149   \endgroup
3150   \let\bidi@AtEndPreamble\@firstofone
3151   \bidi@endpreamblehook
3152   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3153   \bidi@undef\bidi@endpreamblehook
3154   \begingroup}
3155
3156 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3157 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3158
3159 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3160 \newcommand*{\bidi@afterendpreamblehook}{}
3161
3162 \bidi@appto\document{%
3163   \let\bidi@AfterEndPreamble\@firstofone
3164   \bidi@afterendpreamblehook
3165   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3166   \bidi@undef\bidi@afterendpreamblehook
3167   \ignorespaces}
3168
3169 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3170
3171 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3172 \newcommand*{\bidi@afterenddocumenthook}{}
3173
3174 \bidi@patchcmd\enddocument
3175   {\deadcycles}
3176   {\let\bidi@AfterEndDocument\@firstofone
3177     \bidi@afterenddocumenthook
3178     \deadcycles}
3179   {}
3180   {\let\bidi@@end@@end
3181     \def@@end{%
3182       \let\bidi@AfterEndDocument\@firstofone
3183       \bidi@afterenddocumenthook
3184       \bidi@@end}}
3185
3186 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3187   \bidi@csgappto{\bidi@begin@#1@hook}}
3188
3189 \bidi@patchcmd\begin
3190   {\csname #1\endcsname}
3191   {\bidi@csuse{\bidi@begin@#1@hook}%
3192     \csname #1\endcsname}
3193   {}
3194   {\bidi@warning{%
3195     Patching '\string\begin' failed!\MessageBreak

```



```

3196     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3197
3198
3199
3200 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3201   \bidi@csgappto{@bidi@end@#1@hook}}
3202
3203 \bidi@patchcmd\end
3204   {\csname end#1\endcsname}
3205   {\bidi@csuse{@bidi@end@#1@hook}}%
3206   \csname end#1\endcsname}
3207   {}
3208   {\bidi@warning{%
3209     Patching '\string\end' failed!\MessageBreak
3210     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3211
3212
3213
3214 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3215   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3216
3217 \bidi@pretocmd\begin
3218   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3219   {}
3220   {\bidi@warning{%
3221     Patching '\string\begin' failed!\MessageBreak
3222     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3223
3224
3225
3226 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3227   \bidi@csgappto{@bidi@afterend@#1@hook}}
3228
3229 \bidi@patchcmd\end
3230   {\if@ignore}
3231   {\bidi@csuse{@bidi@afterend@#1@hook}}%
3232   \if@ignore}
3233   {}
3234   {\bidi@warning{%
3235     Patching '\string\end' failed!\MessageBreak
3236     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3237
3238 \CheckCommand{\InputIfFileExists}[2]{%
3239   \IfFileExists{#1}%
3240     {#2\@addtofilelist{#1}\@input \@filef@und}}
3241
3242 \renewcommand{\InputIfFileExists}[2]{%
3243   \begingroup\expandafter\expandafter\expandafter\endgroup
3244   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3245     \expandafter\@secondoftwo

```



```

3246 \else
3247 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3248 \expandafter\@firstoftwo
3249 \fi
3250 {%
3251 \expandafter\InputIfFileExists\expandafter{\csname
3252 #1-@bidi@alias\endcsname}{#2}%
3253 }%
3254 {\IfFileExists{#1}{%
3255 \bidi@load@hook{before}{#1}%
3256 #2\@addtofilelist{#1}%
3257 \@@input \@filef@und
3258 \bidi@load@hook{after}{#1}%
3259 }}%
3260 }
3261
3262 \newcommand*{\bidi@loadwithoptions}{%
3263 \newcommand*{\bidi@loadwithoptions}{%
3264 \let\bidi@loadwithoptions\@loadwithoptions
3265
3266 \renewcommand*{\@loadwithoptions}[3]{%
3267 \begingroup\expandafter\expandafter\expandafter\endgroup
3268 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3269 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3270 \else
3271 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3272 \def\bidi@loadwithoptions{%
3273 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3274 }%
3275 \fi
3276 \bidi@loadwithoptions
3277 }
3278
3279 \newcommand*{\bidi@onefilewithoptions}{%
3280 \let\bidi@onefilewithoptions\@onefilewithoptions
3281 \def\@onefilewithoptions#1[#2][#3]#4{%
3282 \begingroup\expandafter\expandafter\expandafter\endgroup
3283 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3284 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3285 \else
3286 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3287 \edef\bidi@onefilewithoptions{%
3288 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3289 \fi
3290 \bidi@onefilewithoptions[#2][#3]{#4}%
3291 \bidi@load@hook{lateafter}{#1.#4}%
3292 }
3293
3294 \newcommand*{\bidi@ReplaceInput}[2]{%
3295 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%

```



```

3296 }
3297
3298 \newcommand*{\@bidi@UnReplaceInput}[1]{%
3299   \ifcsname #1-@bidi@alias\endcsname
3300     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3301   \fi
3302 }
3303
3304 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3305   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3306 }
3307 \newcommand*{\@bidi@ReplacePackage}[2]{%
3308   \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3309 }
3310 \newcommand*{\@bidi@ReplaceClass}[2]{%
3311   \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3312 }
3313 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3314   \ifcsname #1.#2-@bidi@aliasname\endcsname
3315     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3316   \fi
3317 }
3318 \newcommand*{\@bidi@UnReplacePackage}[1]{%
3319   \@bidi@unreplacefilewithtext{#1}\@pkgextension
3320 }
3321 \newcommand*{\@bidi@UnReplaceClass}[1]{%
3322   \@bidi@unreplacefilewithtext{#1}\@clsextension
3323 }
3324 \newcommand*{\@bidi@replacefile@msg}[2]{%
3325   \PackageInfo{bidiutils}{inputing `#1' instead of `#2'}%
3326 }
3327
3328 \newcommand*{\@bidi@load@hook}[2]{%
3329   \@ifundefined{#2-@#1}{}%
3330     \@nameuse{#2-@#1}%
3331     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3332 \newcommand*{\@bidi@set@load@hook}[2]{%
3333   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3334   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3335 \newcommand*{\@bidi@BeforeFile}{\@bidi@set@load@hook{before}}
3336 \newcommand*{\@bidi@AfterFile}{\@bidi@set@load@hook{after}}
3337 \newcommand*{\@bidi@BeforeClass}[1]{%
3338   \@bidi@set@load@hook{before}{#1.\@clsextension}}
3339 \newcommand*{\@bidi@AfterClass}{%
3340   \ifstar {\@s@bidi@AfterClass}{%
3341     \ifnextchar +\@@bidi@AfterClass{%
3342       \ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3343     }%
3344   }%
3345 }

```




```

3346
3347 \newcommand*{\@@@bidi@AfterClass}[2]{%
3348   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3349     \aftergroup\@s@bidi@AfterClass
3350   \else
3351     \aftergroup\bidi@AfterAtEndOfClass
3352   \fi
3353   \endgroup{#2}%
3354 }
3355
3356 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3357   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3358 \newcommand*{\@@@bidi@AfterClass}[2]{%
3359   \begingroup
3360     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3361       \aftergroup\@s@bidi@AfterClass
3362     \else
3363       \aftergroup\@bidi@AfterClass
3364     \fi
3365     \endgroup{#2}%
3366 }
3367
3368 \newcommand*{\@bidi@AfterClass}[1]{%
3369   \bidi@set@load@hook{after}{#1.\@clsextension}}
3370 \newcommand*{\@s@bidi@AfterClass}[1]{%
3371   \begingroup
3372     \@ifclassloaded{#1}{%
3373       \aftergroup\@secondoftwo
3374     }{%
3375       \aftergroup\@bidi@AfterClass
3376     }%
3377   \endgroup
3378   {#1}%
3379 }
3380
3381
3382 \newcommand*{\bidi@BeforePackage}[1]{%
3383   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3384 \newcommand*{\bidi@AfterPackage}{%
3385   \@ifstar {\@s@bidi@AfterPackage}{%
3386     \@ifnextchar +\@@@bidi@AfterPackage{%
3387       \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3388     }%
3389   }%
3390 }
3391 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3392   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3393     \aftergroup\@s@bidi@AfterPackage
3394   \else
3395     \aftergroup\bidi@AfterAtEndOfPackage

```



```

3396 \fi
3397 \endgroup{#2}%
3398 }
3399 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3400   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3401 \newcommand*{\@@bidi@AfterPackage}[2]{%
3402   \begingroup
3403     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3404       \aftergroup\@s@bidi@AfterPackage
3405     \else
3406       \aftergroup\@bidi@AfterPackage
3407     \fi
3408   \endgroup{#2}%
3409 }
3410 \newcommand*{\@bidi@AfterPackage}[1]{%
3411   \bidi@set@load@hook{after}{#1.\@pkgextension}}
3412 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3413   \begingroup
3414     \@ifpackageloaded{#1}{%
3415       \aftergroup\@secondoftwo
3416     }{%
3417       \aftergroup\@bidi@AfterPackage
3418     }%
3419   \endgroup
3420   {#1}%
3421 }
3422
3423 \newcommand*{\@bidi@excludedpackages}{%
3424   \let\@bidi@excludedpackages\@empty
3425 \newcommand*{\@bidi@saved@RequirePackage}{%
3426 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3427   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3428   {\@bidi@PreventPackageFromLoading\PackageWarning}%
3429 }
3430 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3431   \@ifnextchar [%]
3432   {\@@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3433 }
3434 \newcommand*{\@@bidi@PreventPackageFromLoading}{%
3435
3436 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3437   \edef\reserved@b{\zap@space#3 \@empty}%
3438   \ifx \reserved@b\@empty
3439     #1{bidiutils}{%
3440       \string\@bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3441       argument ignored%
3442     }%
3443   \else
3444     \ifx\@bidi@excludedpackages\@empty
3445       \let\@bidi@saved@RequirePackage\RequirePackage

```



```

3446 \let\RequirePackage\ bidi@RequirePackage
3447 \def\reserved@a##1##{%
3448   \@latex@error
3449   {\noexpand \usepackage before \string\documentclass}%
3450   {\noexpand \usepackage may only appear in the document
3451    preamble, i.e.,\MessageBreak
3452    between \noexpand\documentclass and
3453    \string\begin{document}.}%
3454   \@gobble}%
3455 \ifx\reserved@a\usepackage\else
3456 \ifx\usepackage\ bidi@saved@RequirePackage\else
3457   \PackageWarning{biditytools}{%
3458     Maybe serious problem: unexpected definition of\MessageBreak
3459     \string\usepackage
3460   }%
3461 \fi
3462 \let\usepackage\RequirePackage
3463 \fi
3464 \fi
3465 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3466 \reserved@a\b\do {%
3467   \ifx\reserved@a@\empty
3468     #1{biditytools}{%
3469       empty package argument for
3470       \string\ bidi@PreventPackageFromLoading\MessageBreak
3471       ignored%
3472     }%
3473   \else
3474     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3475       #1{biditytools}{%
3476         package ` \reserved@a' already loaded.\MessageBreak
3477         Cannot prevent it from being loaded%
3478       }%
3479     }{%
3480       \edef\ bidi@excludedpackages{\ bidi@excludedpackages,%
3481         \reserved@a}%
3482       \if\relax\detokenize{#2}\relax\else
3483         \@ifundefined{\ bidi@exclude@package@\reserved@a @do}{%
3484           \@namedef{\ bidi@exclude@package@\reserved@a @do}{}%
3485         }{%
3486           \expandafter\def
3487             \csname \ bidi@exclude@package@\reserved@a
3488               @do\expandafter\expandafter\expandafter\endcsname
3489             \expandafter\expandafter\expandafter{%
3490               \csname \ bidi@exclude@package@\reserved@a @do\endcsname
3491               #2%
3492             }%
3493         \fi
3494       }%
3495     \fi

```



```

3496 }%
3497 \ifx\bidix@excludedpackages\@empty
3498 \bidix@ResetPreventPackageFromLoading
3499 \fi
3500 \fi
3501 }
3502
3503 \@onlypreamble\bidix@PreventPackageFromLoading
3504 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3505 \let\bidix@excludedpackages\@empty
3506 \ifx\RequirePackage\bidix@RequirePackage
3507 \ifx\usepackage\RequirePackage
3508 \let\usepackage\bidix@saved@RequirePackage
3509 \fi
3510 \let\RequirePackage\bidix@saved@RequirePackage
3511 \fi
3512 }
3513 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3514 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
3515 \let#1\bidix@excludedpackages
3516 }
3517 \@onlypreamble\bidix@StorePreventPackageFromLoading
3518 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3519 \@ifstar {\@tempwatrue\@bidix@UnPreventPackageFromLoading}%
3520 {\@tempwafalse\@bidix@UnPreventPackageFromLoading}%
3521 }
3522
3523 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
3524 \edef\reserved@b{\zap@space#1 \@empty}%
3525 \if@tempwa
3526 \@for\reserved@a:=\reserved@b\do {%
3527 \ifx\reserved@a\@empty \else
3528 \ifcsname bidix@exclude@package@\reserved@a @do\endcsname
3529 \expandafter\let
3530 \csname bidix@exclude@package@\reserved@a @do\endcsname
3531 \undefined
3532 \fi
3533 \fi
3534 }%
3535 \fi
3536 \ifcsname bidix@excludedpackages\endcsname
3537 \let\reserved@a\bidix@excludedpackages
3538 \let\bidix@excludedpackages\@empty
3539 \expandafter\@for\expandafter\reserved@c
3540 \expandafter:\expandafter=\reserved@a
3541 \do{%
3542 \ifx\reserved@c\@empty\else
3543 \@expandtwoargs\in@{\,\reserved@c,\,\reserved@b,%}
3544 \ifin@
3545 \else

```



```

3546         \edef\bidi@excludedpackages{%
3547             \bidi@excludedpackages,\reserved@c
3548         }%
3549     \fi
3550 \fi
3551 }%
3552 \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
3553 \fi
3554 }
3555
3556
3557 \newcommand*{\bidi@RequirePackage}[2] [] {%
3558     \let\reserved@c\@empty
3559     \let\reserved@d\@empty
3560     \edef\reserved@b{\zap@space#2 \@empty}%
3561     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3562     \do {%
3563         \begingroup
3564         \@tempswattrue
3565         \@for\reserved@a:=\bidi@excludedpackages\do {%
3566             \ifx\reserved@a\reserved@b
3567                 \@tempswafalse
3568             \fi
3569         }%
3570         \if@tempswa
3571             \xdef\reserved@c{\reserved@c,\reserved@b}%
3572         \else
3573             \ifx\reserved@b\@empty\else
3574                 \PackageInfo{bidiutils}{Excluding package `'\reserved@b'\MessageBreak
3575                     from loading}%
3576                 \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
3577                     }{%
3578                         \expandafter\g@addto@macro\expandafter\reserved@d
3579                         \csname bidi@exclude@package@\reserved@b @do\endcsname
3580                     }%
3581                 \fi
3582             \fi
3583         \endgroup
3584     }%
3585     \ifx\reserved@c\@empty
3586         \let\reserved@a\bidi@gobbleopt
3587     \else
3588         \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
3589             \expandafter\@gobble\reserved@c\@empty}}%
3590     \fi
3591     \expandafter\reserved@d
3592     \reserved@a
3593 }
3594
3595 \newcommand{\bidi@gobbleopt}[1] [] {}

```



```

3596 \AtEndDocument{%
3597   \let\bidisaved@checkend=\@checkend
3598   \renewcommand*{\@checkend}[1]{%
3599     \def\reserved@a{#1}\def\reserved@b{document}%
3600     \bidisaved@checkend{#1}%
3601     \ifx\reserved@a\reserved@b
3602       \let\bidisaved@clearpage=\clearpage
3603       \renewcommand*{\clearpage}{\bidisaved@clearpage
3604         \bidi@hook@bcma
3605         \bidi@restore@newpage
3606         \let\clearpage=\bidisaved@clearpage}%
3607     \fi%
3608     \let\bidisaved@dofilelist\@dofilelist
3609     \def\@dofilelist{%
3610       \bidi@hook@acma
3611       \let\@dofilelist\bidisaved@dofilelist
3612       \bidisaved@dofilelist
3613     }%
3614   }%
3615 }
3616
3617
3618 \newcommand*{\bidisaved@checkend}{%
3619 \newcommand*{\bidisaved@dofilelist}{%
3620 \newcommand*{\bidi@redefine@newpage}{%
3621   \let\bidisaved@newpage\newpage
3622   \def\bidi@restore@newpage{%
3623     \renewcommand*{\newpage}{%
3624       \PackageWarningNoLine{%
3625         biditools%
3626       }{%
3627         \string\newpage\space at main aux file!\MessageBreak
3628         You have output material at the main aux file.\MessageBreak
3629         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3630         are processed before the output from aux file%
3631       }%
3632       \let\newpage\bidisaved@newpage
3633       \newpage
3634     }%
3635   }%
3636   \renewcommand*{\newpage}{%
3637     \PackageError{%
3638       biditools%
3639     }{%
3640       \string\newpage\space at \string\bidi@BeforeClosingMainAux
3641     }{%
3642       You should never use \string\newpage\space or
3643       \string\clear(double)page or other output material at the\MessageBreak
3644       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3645       If you'll continue, the \string\newpage\space will be ignored to

```



```

3646      avoid corruption of\MessageBreak
3647      every prior use of \string\bidibeforeclosingmainaux.
3648    }%
3649  }%
3650 }
3651
3652 \newcommand*\bidibeforeclosingmainaux{}
3653 \newcommand*\bidibeforeclosingmainaux{}
3654 \newcommand*\bidibeforeclosingmainaux{}
3655 \newcommand*\bidibeforeclosingmainaux{%
3656   \ifx\bidibeforeclosingmainaux\empty
3657     \gdef\bidibeforeclosingmainaux{%
3658       \renewcommand*\bidibeforeclosingmainaux[1]{###1}%
3659       \let\protected@write\bidibeforeclosingmainaux@write
3660       \bidibeforeclosingmainaux@redefine@newpage
3661     }%
3662   \fi
3663   \g@addto@macro\bidibeforeclosingmainaux%
3664 }
3665
3666 \newcommand*\bidibeforeclosingmainaux{%
3667   \ifx\bidibeforeclosingmainaux\empty
3668     \gdef\bidibeforeclosingmainaux{%
3669       \renewcommand*\bidibeforeclosingmainaux[1]{###1}%
3670       \let\protected@write\bidibeforeclosingmainaux@write
3671     }%
3672   \fi
3673   \g@addto@macro\bidibeforeclosingmainaux%
3674 }
3675
3676 \long\def\bidibeforeclosingmainaux@write#1#2#3{%
3677   \begingroup
3678     #2%
3679     \let\protected@unexpandable@protect
3680     \edef\reserved@a{\immediate\write#1{#3}}%
3681     \reserved@a
3682   \endgroup
3683   \if@nobreak\ifvmode\nobreak\fi\fi
3684 }
3685
3686 \def\bidibeforeclosingmainaux@counter{0}%
3687 \if@bidibeforeclosingmainaux@csundef{numexpr}{%
3688   \def\bidibeforeclosingmainaux@stepcounter{%
3689     \begingroup
3690       \count@\bidibeforeclosingmainaux@counter\relax
3691       \advance\count@\@ne\relax
3692     \edef\x{\endgroup
3693       \noexpand\def\noexpand\bidibeforeclosingmainaux@counter{\the\count@}%
3694     }%
3695     \x

```



```

3696 }%
3697 }{%
3698 \def\bidipatch@stepcounter{%
3699 \edef\bidipatch@counter{%
3700 \the\numexpr\bidipatch@counter+\@ne\relax
3701 }%
3702 }%
3703 }
3704 \def\bidipatch@list{}
3705 \def\bidipatch@Add{%
3706 \bidipatch@list
3707 }
3708 \def\bidipatch@AfterPackage#1{%
3709 \@ifpackageloaded{#1}{%
3710 \@firstofone
3711 }{%
3712 \bidipatch@AfterPackage{#1}%
3713 }%
3714 }
3715 \def\bidipatch@AfterPackage#1{%
3716 \edef\bidipatch@temp{#1}%
3717 \bidipatch@stepcounter
3718 \expandafter\bidipatch@@AfterPackage
3719 \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3720 \bidipatch@temp
3721 }%
3722 }
3723 \def\bidipatch@@AfterPackage#1#2#3{%
3724 \begingroup
3725 \toks@{#3}%
3726 \xdef\bidipatch@gtemp{%
3727 \noexpand\@ifpackageloaded{#2}{%
3728 \noexpand\let\noexpand#1\noexpand\relax
3729 \the\toks@
3730 }{}%
3731 }%
3732 \endgroup
3733 \let#1\bidipatch@gtemp
3734 \bidipatch@Add#1%
3735 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3736 }
3737
3738 \def\bidipatch@try#1#2#3{%
3739 \if@bidicsundef{#1}{-}{%
3740 \csname #1\endcsname{#2}{#3}%
3741 }%
3742 }
3743
3744 \AtBeginDocument{\bidipatch@list}
3745

```




```

3746 \bidi@AtEndPreamble{\bidi@patch@list}%
3747
3748 \bidi@AfterEndPreamble{%
3749   \let\bidi@patch@OrgIfPackageLoaded\ifpackageloaded
3750   \let\bidi@patch@OrgIfPackageLater\ifpackagelater
3751   \let\bidi@patch@OrgIfClassLoaded\ifclassloaded
3752   \let\bidi@patch@OrgIfClassLater\ifclasslater
3753   \bidi@patch@list
3754   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3755   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3756   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3757   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3758 }%

```

7.23 bidiutfefloat.sty

```

3759 \NeedsTeXFormat{LaTeX2e}
3760 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3761 bidi implementation of tufte float]
3762 \RequirePackage{xifthen}
3763 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3764 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3765 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3766 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3767 \newboolean{\@bidiutfefloat@RTLgeometry}
3768 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3769 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3770 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3771 \newboolean{\@bidiutfefloat@a4paper}
3772 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3773 \newboolean{\@bidiutfefloat@b5paper}
3774 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3775 \newboolean{\@bidiutfefloat@symmetric}
3776 \newboolean{\@bidiutfefloat@twoside}
3777 \DeclareOption{twoside}{%
3778 \@twoside true \mparswitch true%
3779 \setboolean{\@bidiutfefloat@twoside}{true}%
3780 \setboolean{\@bidiutfefloat@symmetric}{true}%
3781 }
3782 \DeclareOption{oneside}{%
3783 \@twoside false \mparswitch false%
3784 \setboolean{\@bidiutfefloat@twoside}{false}%
3785 \setboolean{\@bidiutfefloat@symmetric}{false}%
3786 }
3787 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3788 \newboolean{\@bidiutfefloat@debug}
3789 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect
3790 \ProcessOptions
3791 %% Globally sets the length
3792 \newcommand*{\gsetlength}[2]{%

```



```

3793 \setlength{#1}{#2}%
3794 \global#1=#1\relax%
3795 }
3796 %% Globally sets a boolean
3797 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3798 \lowercase{\def\@tempa{#2}}%
3799 \@ifundefined{\@tempa}{\@tempa}%
3800 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3801 {\@ifundefined{#1\@tempa}%
3802 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3803 {\global\csname#1\@tempa\endcsname}%
3804 }%
3805 }
3806 %% Set the font sizes and baselines to match bidentefloat's books
3807 \renewcommand\normalsize{%
3808 \setfontsize\normalsize\@xpt{14}%
3809 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3810 \abovedisplayshortskip \z@ \@plus3\p@
3811 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3812 \belowdisplayskip \abovedisplayskip
3813 \let\@listi\@listI}
3814 \normalbaselineskip=14pt
3815 \normalsize
3816 \renewcommand\footnotesize{%
3817 \setfontsize\footnotesize\@viipt{10}%
3818 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3819 \abovedisplayshortskip \z@ \@plus\p@
3820 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3821 \def\@listi{\leftmargin\leftmarginI
3822 \topsep 3\p@ \@plus\p@ \@minus\p@
3823 \parsep 2\p@ \@plus\p@ \@minus\p@
3824 \itemsep \parsep}%
3825 \belowdisplayskip \abovedisplayskip
3826 }
3827 %% Paragraph indentation and separation for marginal text
3828 \newcommand{\@bidentefloat@margin@par}{%
3829 \setlength{\RaggedRightParindent}{0.5pc}%
3830 \setlength{\JustifyingParindent}{0.5pc}%
3831 \setlength{\parindent}{0.5pc}%
3832 \setlength{\parskip}{0pt}%
3833 }
3834 \RequirePackage{ragged2e}
3835 \ifthenelse{\boolean{\@bidentefloat@RTLgeometry}}{%
3836 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparskip=0.5in]{geometry}
3837 \ifthenelse{\boolean{\@bidentefloat@a4paper}}{
3838 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparskip=0.5in}}
3839 {}
3840 \ifthenelse{\boolean{\@bidentefloat@b5paper}}{
3841 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginparskip=0.5in}}
3842 {}}%

```



```

3843 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginparse
3844 \ifthenelse{\boolean{@bidiutfefloat@afourpaper}}
3845 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparse
3846 {}
3847 \ifthenelse{\boolean{@bidiutfefloat@bfivepaper}}
3848 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
3849 {}}
3850 \ifthenelse{\boolean{@bidiutfefloat@symmetric}}
3851 {}
3852 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
3853 \setlength\marginparpush{10pt}
3854 %% Font for margin items
3855 \newcommand{\@bidiutfefloat@marginfont}{\normalfont\footnotesize}
3856 \newcommand*{\@bidiutfefloat@caption@font}{\@bidiutfefloat@marginfont}
3857 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutfefloat@caption@font}{#1}}
3858 \newcommand{\@bidiutfefloat@justification}{\justifying}%
3859 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3860 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3861 \newboolean{@bidiutfefloat@changepage}
3862 \IfFileExists{changepage.sty}{%
3863 \bidiutfefloatDebugInfoNL{Found changepage.sty}
3864 \RequirePackage[strict]{changepage}
3865 \setboolean{@bidiutfefloat@changepage}{true}
3866 }{%
3867 \bidiutfefloatDebugInfoNL{Found chngpage.sty}
3868 \RequirePackage[strict]{chngpage}
3869 \setboolean{@bidiutfefloat@changepage}{false}
3870 }
3871 \newboolean{@bidiutfefloat@odd@page}
3872 \setboolean{@bidiutfefloat@odd@page}{true}
3873 \newcommand*{\@bidiutfefloat@checkoddpager}{%
3874 \checkoddpager%
3875 \ifthenelse{\boolean{@bidiutfefloat@changepage}}{%
3876 \ifoddpager%
3877 \setboolean{@bidiutfefloat@odd@page}{true}%
3878 \else%
3879 \setboolean{@bidiutfefloat@odd@page}{false}%
3880 \fi%
3881 }{%
3882 \ifcpoddpager%
3883 \setboolean{@bidiutfefloat@odd@page}{true}%
3884 \else%
3885 \setboolean{@bidiutfefloat@odd@page}{false}%
3886 \fi%
3887 }%
3888 }
3889 \newlength{\@bidiutfefloat@overhang}% used by the fullwidth environment and the running heads
3890 \newlength{\@bidiutfefloat@fullwidth}
3891 \newlength{\@bidiutfefloat@caption@fill}
3892 \newcommand{\bidiutfefloatRecalculate}{%

```



```

3893 \setlength{\@bidiutffloat@overhang}{\marginparwidth}
3894 \addtolength{\@bidiutffloat@overhang}{\marginparsep}
3895
3896 \setlength{\@bidiutffloat@fullwidth}{\textwidth}
3897 \addtolength{\@bidiutffloat@fullwidth}{\marginparsep}
3898 \addtolength{\@bidiutffloat@fullwidth}{\marginparwidth}
3899
3900 \setlength{\@bidiutffloat@caption@fill}{\textwidth}
3901 \addtolength{\@bidiutffloat@caption@fill}{\marginparsep}
3902 }
3903 \AtBeginDocument{\bidiutffloatRecalculate}
3904 \RequirePackage{optparams}% provides multiple optional arguments for commands
3905 \RequirePackage{placeins}
3906 \newsavebox{\@bidiutffloat@margin@floatbox}
3907 \newenvironment{\@bidiutffloat@margin@float}[2][-1.2ex]%
3908 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3909 \begin{lrbox}{\@bidiutffloat@margin@floatbox}%
3910 \begin{minipage}{\marginparwidth}%
3911 \@bidiutffloat@caption@font%
3912 \def\@capttype{#2}%
3913 \hbox{}\vspace*{#1}%
3914 \@bidiutffloat@caption@justification%
3915 \@bidiutffloat@margin@par%
3916 \noindent%
3917 }
3918 {\end{minipage}%
3919 \end{lrbox}%
3920 \marginpar{\usebox{\@bidiutffloat@margin@floatbox}}%
3921 }
3922 \newenvironment{marginfigure}[1][-1.2ex]%
3923 {\begin{\@bidiutffloat@margin@float}[#1]{figure}}
3924 {\end{\@bidiutffloat@margin@float}}
3925 \newenvironment{margintable}[1][-1.2ex]%
3926 {\begin{\@bidiutffloat@margin@float}[#1]{table}}
3927 {\end{\@bidiutffloat@margin@float}}
3928 \newcommand*{\@bidiutffloat@justification@autodetect}{\justifying}%
3929
3930 \newcommand{\@bidiutffloat@float@debug@info}{}% contains debug info generated as the float is p
3931 \newcommand{\@bidiutffloat@float@debug}[1]{% adds debug info to the queue for output
3932 \ifthenelse{\equal{\@bidiutffloat@float@debug@info}{}}%
3933 {\def\@bidiutffloat@float@debug@info{#1}}%
3934 {\g@addto@macro\@bidiutffloat@float@debug@info{\MessageBreak#1}}%
3935 }
3936 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3937 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutffloat@float@debug-
3938 \newboolean{\@bidiutffloat@float@recto}
3939 \newcommand{\forcerectofloat}{\gsetboolean{\@bidiutffloat@float@recto}{true}\@bidiutffloat@
3940 \newcommand{\forceversofloat}{\gsetboolean{\@bidiutffloat@float@recto}{false}\@bidiutffloat@
3941 \newsavebox{\@bidiutffloat@figure@box}
3942 \newsavebox{\@bidiutffloat@caption@box}

```



```

3943 \let\@bidiutfefloat@orig@float\@float
3944 \let\@bidiutfefloat@orig@endfloat\endfloat
3945 \newlength{\@bidiutfefloat@caption@vertical@offset}
3946 \setlength{\@bidiutfefloat@caption@vertical@offset}{0pt}
3947 \newcommand{\@bidiutfefloat@stored@shortcaption}{}
3948 \newcommand{\@bidiutfefloat@stored@caption}{}
3949 \newcommand{\@bidiutfefloat@stored@label}{}
3950 \long\def\@bidiutfefloat@caption[#1][#2]#3{%
3951   \ifthenelse{\isempty{#1}}%
3952     {\gdef\@bidiutfefloat@stored@shortcaption{#3}}%
3953     {\gdef\@bidiutfefloat@stored@shortcaption{#1}}%
3954   \gsetlength{\@bidiutfefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3955   \gdef\@bidiutfefloat@stored@caption{#3}%
3956 }
3957 \newcommand{\@bidiutfefloat@label}[1]{%
3958   \gdef\@bidiutfefloat@stored@label{#1}%
3959 }
3960 \newcommand{\@bidiutfefloat@fps}{}
3961 \newboolean{\@bidiutfefloat@float@star}
3962 \newlength{\@bidiutfefloat@float@contents@width}
3963 \newenvironment{\@bidiutfefloat@float}[3][htbp]%
3964   {% begin \@bidiutfefloat@float
3965     % Should this float be full-width or just text-width?
3966     \ifthenelse{\equal{#3}{star}}%
3967       {\gsetboolean{\@bidiutfefloat@float@star}{true}}%
3968       {\gsetboolean{\@bidiutfefloat@float@star}{false}}%
3969     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3970     \@bidiutfefloat@checkoddpag%
3971     \ifthenelse{\boolean{\@bidiutfefloat@odd@page}}%
3972       {\gsetboolean{\@bidiutfefloat@float@recto}{true}}\@bidiutfefloat@float@debug{Detected page
3973       {\gsetboolean{\@bidiutfefloat@float@recto}{false}}\@bidiutfefloat@float@debug{Detected page
3974     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3975     \renewcommand{\@bidiutfefloat@fps}{#1}%
3976     \@bidiutfefloat@float@debug{Allowed positions: [ #1 ]}%
3977     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
3978       {\renewcommand{\floatalignment}{b}}\@bidiutfefloat@float@debug{Presumed position: [bottom]
3979       {\renewcommand{\floatalignment}{t}}\@bidiutfefloat@float@debug{Presumed position: [top]}}%
3980     % Capture the contents of the \caption and \label commands to use later
3981     \global\let\@bidiutfefloat@orig@caption\caption%
3982     \global\let\@bidiutfefloat@orig@label\label%
3983     \renewcommand{\caption}{\@optparams{\@bidiutfefloat@caption}{[ ] [Opt]}}%
3984     \renewcommand{\label}[1]{\@bidiutfefloat@label{##1}}%
3985     % Handle subfigure package compatibility
3986     \ifthenelse{\boolean{\@bidiutfefloat@packages@subfigure}}{%
3987       % don't move the label while inside a \subfigure or \subtable command
3988       \global\let\label\@bidiutfefloat@orig@label%
3989     }{}% subfigure package is not loaded
3990     \@bidiutfefloat@orig@float{#2}[#1]%
3991     \ifthenelse{\boolean{\@bidiutfefloat@float@star}}%
3992     {\setlength{\@bidiutfefloat@float@contents@width}{\@bidiutfefloat@fullwidth}}%

```



```

3993     {\setlength{\@biditytffloat@float@contents@width}{\textwidth}}%
3994     \begin{lrbox}{\@biditytffloat@figure@box}%
3995     \begin{minipage}[\floatalignment]{\@biditytffloat@float@contents@width}\hbox{}%
3996 }{% end @biditytffloat@float
3997     \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3998     \end{minipage}%
3999     \end{lrbox}%
4000     % build the caption box
4001     \begin{lrbox}{\@biditytffloat@caption@box}%
4002     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
4003     \ifthenelse{\NOT\equal{\@biditytffloat@stored@caption}{}}{\@biditytffloat@orig@caption}%
4004     \ifthenelse{\NOT\equal{\@biditytffloat@stored@label}{}}{\@biditytffloat@orig@label{\@b
4005     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4006     \end{minipage}%
4007     \end{lrbox}%
4008     % now typeset the stored boxes
4009     \begin{fullwidth}%
4010     \begin{minipage}[\floatalignment]{\linewidth}%
4011     \ifthenelse{\boolean{@biditytffloat@float@star}}%
4012     {\@biditytffloat@float@fullwidth[\@biditytffloat@caption@vertical@offset]{\@bidityt
4013     {\@biditytffloat@float@textwidth[\@biditytffloat@caption@vertical@offset]{\@bidityt
4014     \end{minipage}%
4015     \end{fullwidth}%
4016     \@biditytffloat@orig@endfloat% end original LaTeX float environment
4017     % output debug info
4018     \ifthenelse{\boolean{@biditytffloat@debug}}{%
4019     \typeout{^^J^^J----- biditytffloat package float information -----}%
4020     \ifthenelse{\equal{\@biditytffloat@stored@label}{}}%
4021     {\typeout{Warning: Float unlabeled!}}%
4022     {\typeout{Float label: [\@biditytffloat@stored@label]}}%
4023     \typeout{Page number: [\thepage]}%
4024     \def\MessageBreak{^^J}%
4025     \typeout{\@biditytffloat@float@debug@info}%
4026     \ifthenelse{\boolean{@biditytffloat@symmetric}}%
4027     {\typeout{Symmetric: [true]}}%
4028     {\typeout{Symmetric: [false]}}%
4029     \typeout{-----^^J^^J}%
4030     }{%
4031     % reset commands and temp boxes and captions
4032     \gdef\@biditytffloat@float@debug@info{}%
4033     \let\caption\@biditytffloat@orig@caption%
4034     \let\label\@biditytffloat@orig@label%
4035     \begin{lrbox}{\@biditytffloat@figure@box}\hbox{}\end{lrbox}%
4036     \begin{lrbox}{\@biditytffloat@caption@box}\hbox{}\end{lrbox}%
4037     \gdef\@biditytffloat@stored@shortcaption{}%
4038     \gdef\@biditytffloat@stored@caption{}%
4039     \gdef\@biditytffloat@stored@label{}%
4040     \gsetlength{\@biditytffloat@caption@vertical@offset}{0pt}% reset caption offset
4041     }
4042     \newcommand{\@biditytffloat@float@textwidth}[3][0pt]{%

```



```

4043 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}
4044 % asymmetric or page is odd, so caption is on the right
4045 \hbox{%
4046   \usebox{#2}%
4047   \hspace{\marginparsep}%
4048   \smash{\raisebox{#1}{\usebox{#3}}}%
4049 }
4050 \@biditytfloat@float@debug{Caption position: [right]}%
4051 }{% symmetric pages and page is even, so caption is on the left
4052 \hbox{%
4053   \smash{\raisebox{#1}{\usebox{#3}}}%
4054   \hspace{\marginparsep}%
4055   \usebox{#2}%
4056 }
4057 \@biditytfloat@float@debug{Caption position: [left]}%
4058 }%
4059 }
4060 \newcommand{\@biditytfloat@float@fullwidth}[3][0pt]{%
4061 \ifthenelse{equal{\floatalignment}{b}}{%
4062   {% place caption above figure
4063     \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}
4064     {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Cap
4065     {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Cap
4066   }} place caption below figure
4067   \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}
4068     {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
4069     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4070   }}%
4071 }
4072 \renewenvironment{figure}[1][htbp]%
4073   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4074   {\end{@biditytfloat@float}}
4075 \renewenvironment{table}[1][htbp]
4076   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4077   {\end{@biditytfloat@float}}
4078 \renewenvironment{figure*}[1][htbp]%
4079   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4080   {\end{@biditytfloat@float}}
4081 \renewenvironment{table*}[1][htbp]%
4082   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4083   {\end{@biditytfloat@float}}
4084 \newenvironment{fullwidth}
4085   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4086     {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{- \@biditytfloat@
4087     {\begin{adjustwidth}{- \@biditytfloat@overhang}}}%
4088   }%
4089   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4090     {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4091     {\end{adjustwidth}}}%
4092 }

```




```

4093 \long\def\@caption#1[#2]#3{%
4094   \par%
4095   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4096     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4097   \begingroup%
4098     \@parboxrestore%
4099     \if@minipage%
4100       \@setminipage%
4101     \fi%
4102     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
4103     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4104     %\makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4105   \endgroup}
4106 %%
4107 % Turns newlines into spaces. Based on code from the `titlesec' package.
4108 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
4109   \ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
4110 }
4111 \def\@biditufteheading@newlinetospace@i{%
4112   \ifdim\lastskip>\z@ \else \space \fi
4113   \ignorespaces%
4114 }
4115 \DeclareRobustCommand{\newlinetospace}[1]{%
4116   \let\@biditufteheading@orig@cr\% save the original meaning of \
4117   \def\{\@biditufteheading@newlinetospace}% turn \ and \* into \space
4118   \let\newline\% turn \newline into \space
4119   #1%
4120   \let\{\@biditufteheading@orig@cr% revert to original meaning of \
4121 }
4122 \RequirePackage{fancyhdr}
4123 \pagestyle{fancy}
4124 \AtBeginDocument{%
4125   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4126     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
4127     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
4128 }
4129 % The running heads/feet don't have rules
4130 \renewcommand{\headrulewidth}{0pt}
4131 \renewcommand{\footrulewidth}{0pt}
4132 % The 'fancy' page style is the default style for all pages.
4133 \fancyhf{} % clear header and footer fields
4134   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4135     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4136     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4137     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4138 % The `plain' page style is used on chapter opening pages.
4139 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4140 % bottom of pages -- the folios are unexpressed.
4141 \fancypagestyle{plain}{
4142   \fancyhf{} % clear header and footer fields

```




```

4143 % Uncomment the following five lines of code if you want the opening page
4144 % of the chapter to express the folio in the lower outside corner.
4145 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
4146 % {\fancyfoot[LE,RO]{\thepage}}
4147 % {\fancyfoot[RE,RO]{\thepage}}
4148 }
4149 % The `empty' page style suppresses all headers and footers.
4150 % It's used on title pages and `intentionally blank' pages.
4151 \fancypagestyle{empty}{
4152   \fancyhf{} % clear header and footer fields
4153 }
4154 \def\morefloats{% provides a total of 52 floats
4155   \ifthenelse{isundefined{\bx@S}}{%
4156     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
4157     \newinsert\bx@S
4158     \newinsert\bx@T
4159     \newinsert\bx@U
4160     \newinsert\bx@V
4161     \newinsert\bx@W
4162     \newinsert\bx@X
4163     \newinsert\bx@Y
4164     \newinsert\bx@Z
4165     \newinsert\bx@a
4166     \newinsert\bx@b
4167     \newinsert\bx@c
4168     \newinsert\bx@d
4169     \newinsert\bx@e
4170     \newinsert\bx@f
4171     \newinsert\bx@g
4172     \newinsert\bx@h
4173     \newinsert\bx@i
4174     \newinsert\bx@j
4175     \newinsert\bx@k
4176     \newinsert\bx@l
4177     \newinsert\bx@m
4178     \newinsert\bx@n
4179     \newinsert\bx@o
4180     \newinsert\bx@p
4181     \newinsert\bx@q
4182     \newinsert\bx@r
4183     \newinsert\bx@s
4184     \newinsert\bx@t
4185     \newinsert\bx@u
4186     \newinsert\bx@v
4187     \newinsert\bx@w
4188     \newinsert\bx@x
4189     \newinsert\bx@y
4190     \newinsert\bx@z
4191     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4192               \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J

```



```

4193 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4194 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4195 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4196 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4197 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4198 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4199 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4200 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4201 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4202 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4203 }-{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4204 \ifthenelse{isundefined{\bx@AA}}{%
4205 \biditytfloatDebugInfoNL{Adding 26 more float slots.}
4206 \newinsert\bx@AA
4207 \newinsert\bx@BB
4208 \newinsert\bx@CC
4209 \newinsert\bx@DD
4210 \newinsert\bx@EE
4211 \newinsert\bx@FF
4212 \newinsert\bx@GG
4213 \newinsert\bx@HH
4214 \newinsert\bx@II
4215 \newinsert\bx@JJ
4216 \newinsert\bx@KK
4217 \newinsert\bx@LL
4218 \newinsert\bx@MM
4219 \newinsert\bx@NN
4220 \newinsert\bx@OO
4221 \newinsert\bx@PP
4222 \newinsert\bx@QQ
4223 \newinsert\bx@RR
4224 \newinsert\bx@SS
4225 \newinsert\bx@TT
4226 \newinsert\bx@UU
4227 \newinsert\bx@VV
4228 \newinsert\bx@WW
4229 \newinsert\bx@XX
4230 \newinsert\bx@YY
4231 \newinsert\bx@ZZ
4232 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4233 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4234 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4235 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4236 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4237 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4238 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4239 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4240 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4241 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4242 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v

```



```

4243         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4244         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4245         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4246         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4247         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4248         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4249         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4250     }{%
4251     \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4252     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4253     }%
4254 }%
4255 }
4256 \newboolean{@biditytfloat@packages@subfigure}
4257 \setboolean{@biditytfloat@packages@subfigure}{false}
4258 \AtBeginDocument{%
4259     \@ifpackageloaded{subfigure}
4260     {\setboolean{@biditytfloat@packages@subfigure}{true}}
4261     {\setboolean{@biditytfloat@packages@subfigure}{false}}%
4262 }
4263 \AtBeginDocument{%
4264     \@ifpackageloaded{float}{%
4265         % Save the redefined float environment (instead of the LaTeX float environment)
4266         \let\@biditytfloat@orig@float\@float
4267         \let\@biditytfloat@orig@endfloat\endfloat
4268
4269         % Define Tuftian float styles (with the caption in the margin)
4270         \newcommand{\floatc@biditytfloatplain}[2]{%
4271             \begin{lrbox}{\@biditytfloat@caption@box}%
4272             \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4273                 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4274             }\end{minipage}%
4275             \end{lrbox}%
4276             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4277         }
4278         \newcommand{\fs@biditytfloatplain}{%
4279             \def\@fs@cfont{\@biditytfloat@caption@font}%
4280             \let\@fs@capt\floatc@biditytfloatplain%
4281             \def\@fs@pre{%
4282                 \def\@fs@post{%
4283                     \def\@fs@mid{%
4284                         \let\@fs@iftopcapt\iftrue%
4285                     }
4286                     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4287                     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4288                     \newcommand\floatc@biditytfloatruled[2]{%
4289                         {\@fs@cfont #1} #2\par%
4290                     }
4291                     \newcommand\fs@biditytfloatruled{%
4292                         \def\@fs@cfont{\@biditytfloat@caption@font}%

```



```

4293 \let\@fs@capt\floatc@biditytfloatplain%
4294 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4295 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4296 \def\@fs@mid{}%
4297 \let\@fs@iftopcapt\iftrue%
4298 }
4299 \newcommand\fs@biditytfloatboxed{%
4300 \def\@fs@cfont{}%
4301 \let\@fs@capt\floatc@biditytfloatplain%
4302 \def\@fs@pre{%
4303 \setbox\@currbox\vbox{\hbadness10000
4304 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4305 \hrule \hbox to\hsize{\vrule\kern3pt
4306 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4307 }%
4308 \def\@fs@mid{\kern2pt}%
4309 \def\@fs@post{}%
4310 \let\@fs@iftopcapt\iftrue%
4311 }
4312 }{%
4313 % Nothing to do
4314 }
4315 }
4316 \AtBeginDocument{%
4317 \@ifpackageloaded{algorithm}{%
4318 % Set the float style to the Tufte version
4319 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\ALG@floatstyle}{biditytfloat}}{
4320 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to biditytfloat}%
4321 \floatstyle{biditytfloat\ALG@floatstyle}%
4322 \restylefloat{algorithm}%
4323 }{}%
4324 }{%
4325 % Nothing to do
4326 }
4327 }
4328 \PassOptionsToPackage{caption=false}{subfig}

```

```

4329 \NeedsTeXFormat{LaTeX2e}
4330 \ProvidesPackage{biditytutesidenote}[2015/04/30 v0.3
4331 bidi implementation of tufte sidenote]
4332 \RequirePackage{xifthen}
4333 \RequirePackage{ragged2e}
4334 \RequirePackage{setspace}
4335 \RequirePackage{biditytools}
4336 \def\biditytutesidenotemarginpar{%
4337   \ifhmode
4338     \@bsphack
4339     \@floatpenalty -\@Mii

```



```

4340 \else
4341 \floatpenalty-\@Miii
4342 \fi
4343 \ifinner
4344 \parmoderr
4345 \floatpenalty\z@
4346 \else
4347 \next\@currbox\@freelist{}\}%
4348 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4349 {\floatpenalty\z@
4350 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4351 \fi
4352 \@ifnextchar [\@biditytesidenotexmpar\@biditytesidenoteympar}
4353 \long\def\@biditytesidenotexmpar[#1]#2{%
4354 \@biditytesidenotesavemarbox\@marbox{#1}%
4355 \@biditytesidenotesavemarbox\@currbox{#2}%
4356 \@xympar}
4357 \long\def\@biditytesidenoteympar#1{%
4358 \@biditytesidenotesavemarbox\@marbox{#1}%
4359 \global\setbox\@currbox\copy\@marbox
4360 \@xympar}
4361 \long\def \@biditytesidenotesavemarbox #1#2{%
4362 \global\setbox #1%
4363 \color@vbox
4364 \vtop{%
4365 \hsize\marginparwidth
4366 \@parboxrestore
4367 \@biditytesidenotemarginparreset
4368 #2%
4369 \@minipagefalse
4370 \outer@nobreak
4371 }%
4372 \color@endbox
4373 }
4374 \def \@biditytesidenotemarginparreset {%
4375 \reset@font
4376 \normalsize
4377 \@minipagetrue
4378 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4379 }
4380 \def\LTRbiditytesidenotemarginpar{%
4381 \ifhmode
4382 \bsphack
4383 \floatpenalty -\@Mii
4384 \else
4385 \floatpenalty-\@Miii
4386 \fi
4387 \ifinner
4388 \parmoderr
4389 \floatpenalty\z@

```



```

4390 \else
4391   \@next\@currbox\@freelist{}\}%
4392   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4393   {\@floatpenalty\z@
4394   \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4395 \fi
4396 \@ifnextchar [\@LTRbiditytesidenotexmpar\@LTRbiditytesidenoteympar}
4397 \long\def\@LTRbiditytesidenotexmpar[#1]#2{%
4398   \@LTRbiditytesidenotesavemarbox\@marbox{#1}%
4399   \@LTRbiditytesidenotesavemarbox\@currbox{#2}%
4400   \@xympar}
4401 \long\def\@LTRbiditytesidenoteympar#1{%
4402   \@LTRbiditytesidenotesavemarbox\@marbox{#1}%
4403   \global\setbox\@currbox\copy\@marbox
4404   \@xympar}
4405 \long\def \@LTRbiditytesidenotesavemarbox #1#2{%
4406   \global\setbox #1%
4407   \color@vbox
4408   \vtop{%
4409     \hsize\marginparwidth
4410     \@parboxrestore
4411     \@LTRbiditytesidenotemarginparreset
4412     #2%
4413     \@minipagefalse
4414     \outer@nobreak
4415     }%
4416   \color@endbox
4417 }
4418 \def \@LTRbiditytesidenotemarginparreset {%
4419   \reset@font
4420   \normalsize
4421   \@minipagetrue
4422   \everypar{\@minipagefalse\everypar{}\beginL}%
4423 }
4424 \def\RTLbiditytesidenotemarginpar{%
4425   \ifhmode
4426     \@bsphack
4427     \@floatpenalty -\@Mii
4428   \else
4429     \@floatpenalty-\@Miii
4430   \fi
4431   \ifinner
4432     \@parmoderr
4433     \@floatpenalty\z@
4434   \else
4435     \@next\@currbox\@freelist{}\}%
4436     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4437     {\@floatpenalty\z@
4438     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4439   \fi

```



```

4440 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4441 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4442 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4443 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4444 \@xympar}
4445 \long\def\@RTLbidityftesidenoteympar#1{%
4446 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4447 \global\setbox\@currbox\copy\@marbox
4448 \@xympar}
4449 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4450 \global\setbox #1%
4451 \color@vbox
4452 \vtop{%
4453 \hsize\marginparwidth
4454 \@parboxrestore
4455 \@RTLbidityftesidenotemarginparreset
4456 #2%
4457 \@minipagefalse
4458 \outer@nobreak
4459 }%
4460 \color@endbox
4461 }
4462 \def \@RTLbidityftesidenotemarginparreset {%
4463 \reset@font
4464 \normalsize
4465 \@minipagetrue
4466 \everypar{\@minipagefalse\everypar{}\beginR}%
4467 }
4468 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4469 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4470 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4471 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4472 \newcommand*{\@bidityftesidenote@LTRsidenote@citation@font}{\@bidityftesidenote@marginfont}
4473 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4474 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4475 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4476 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@citation@font}{#1}}
4477 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4478 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4479 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4480 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4481 \newcommand{\@bidityftesidenote@margin@par}{%
4482 \setlength{\RaggedRightParindent}{0.5pc}%
4483 \setlength{\JustifyingParindent}{0.5pc}%
4484 \setlength{\parindent}{0.5pc}%
4485 \setlength{\parskip}{0pt}%
4486 }
4487 %%
4488 % Globally sets the length
4489 \ifundefined{gsetlength}{%

```



```

4490 \newcommand*\gsetlength}[2]{%
4491   \setlength{#1}{#2}%
4492   \global#1=#1\relax%
4493 }%
4494 {}
4495 %%
4496 % Globally sets a boolean
4497 \@ifundefined{gsetboolean}{%
4498 \newcommand*\gsetboolean}[2]{% based on code from ifthen pkg
4499   \lowercase{\def\@tempa{#2}}%
4500   \@ifundefined{tempwa\@tempa}%
4501   {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4502   {\@ifundefined{#1\@tempa}%
4503    {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4504    {\global\csname#1\@tempa\endcsname}%
4505   }%
4506 }%
4507 {}
4508 %%
4509 % A function that removes leading and trailing spaces from the supplied macro.
4510 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4511 % Executing \@biditytesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4512 % being trimmed of leading and trailing white space.
4513 \catcode`\Q=3
4514 \def\@biditytesidenote@trim@spaces#1{%
4515   % Use grouping to emulate a multi-token afterassignment queue
4516   \begingroup%
4517   % Put \toks 0 {' into the afterassignment queue
4518   \aftergroup\toks\aftergroup0\aftergroup{%
4519     % Apply \trimb to the replacement text of #1, adding a leading
4520     % \noexpand to prevent brace stripping and to serve another purpose
4521     % later.
4522     \expandafter\@biditytesidenote@trim@b\expandafter\noexpand#1Q Q}%
4523   % Transfer the trimmed text back into #1.
4524   \edef#1{\the\toks0}%
4525 }
4526 % \trimb removes a trailing space if present, then calls \@biditytesidenote@trim@c to
4527 % clean up any leftover bizarre Qs, and trim a leading space. In
4528 % order for \trimc to work properly we need to put back a Q first.
4529 \def\@biditytesidenote@trim@b#1 Q{\@biditytesidenote@trim@c#1Q}
4530 % Execute \vfuzz assignment to remove leading space; the \noexpand
4531 % will now prevent unwanted expansion of a macro or other expandable
4532 % token at the beginning of the trimmed text. The \endgroup will feed
4533 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4534 \def\@biditytesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4535 \catcode`\Q=11
4536 %%
4537 % Citations should go in the margin as sidenotes
4538
4539 \RequirePackage{natbib}

```




```

4540 \RequirePackage{bibentry}      % allows bibitems to be typeset outside the bibliography environment
4541 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4542 \renewcommand\BR@b@bibitem[2] [] {%
4543   \ifthenelse{\isempty{#1}}{%
4544     {\BR@b@bibitem{#2}}%
4545     {\BR@b@bibitem[#1]{#2}}%
4546   \BR@c@bibitem{#2}}%
4547 }
4548 \bidi@AtEndPreamble{\nobibliography*}      % pre-loads the bibliography keys
4549 %%
4550 % Normal \cite behavior
4551 \newcounter{@biditytesidenote@num@bibkeys}%
4552 \newcommand{@@biditytesidenote@normal@cite}[2] [Opt] {%
4553   % Snag the last bibentry in the list for later comparison
4554   \let\@temp@last@bibkey\@empty%
4555   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4556   \sidenote[] [#1] {%
4557     % Loop through all the bibentries, separating them with semicolons and spaces
4558     \normalsize\normalfont\@biditytesidenote@citation@font%
4559     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4560     \@for\@temp@bibkeyx:=#2\do{%
4561       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4562       {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4563        \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4564        \bibentry{\@temp@bibkeyx}}%
4565       {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4566        \bibentry{\@temp@bibkeyx};\ }%
4567       \stepcounter{@biditytesidenote@num@bibkeys}}%
4568     }%
4569   }%
4570 }
4571 \newcommand{@@bidityfteLTRsidenote@normal@cite}[2] [Opt] {%
4572   % Snag the last bibentry in the list for later comparison
4573   \let\@temp@last@bibkey\@empty%
4574   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4575   \LTRsidenote[] [#1] {%
4576     % Loop through all the bibentries, separating them with semicolons and spaces
4577     \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4578     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4579     \@for\@temp@bibkeyx:=#2\do{%
4580       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4581       {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4582        \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4583        \bibentry{\@temp@bibkeyx}}%
4584       {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4585        \bibentry{\@temp@bibkeyx};\ }%
4586       \stepcounter{@biditytesidenote@num@bibkeys}}%
4587     }%
4588   }%
4589 }

```



```

4590 \newcommand{\@bidityftesRTLsidenote@normal@cite}[2][Opt]{%
4591 % Snag the last bibentry in the list for later comparison
4592 \let\@temp@last@bibkey\empty%
4593 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4594 \RTLsidenote[] [#1]{%
4595 % Loop through all the bibentries, separating them with semicolons and spaces
4596 \normalsize\normalfont\@bidityftesidenote@citation@font%
4597 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4598 \@for\@temp@bibkeyx:=#2\do{%
4599 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4600 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4601 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4602 \bibentry{\@temp@bibkeyx}}%
4603 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4604 \bibentry{\@temp@bibkeyx};\ }%
4605 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4606 }%
4607 }%
4608 }
4609 %%
4610 % Macros for holding the list of cite keys until after the \sidenote
4611 \gdef\@bidityftesidenote@citations{}% list of cite keys
4612 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4613 \ifx\@bidityftesidenote@citations\empty\else
4614 \g@addto@macro\@bidityftesidenote@citations{,% separate by commas
4615 \fi
4616 \g@addto@macro\@bidityftesidenote@citations{#1}
4617 }
4618 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4619 % Snag the last bibentry in the list for later comparison
4620 \let\@temp@last@bibkey\empty%
4621 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4622 \marginpar{%
4623 \hbox{\vspace*{#1}}%
4624 \@bidityftesidenote@citation@font%
4625 \@bidityftesidenote@citation@justification%
4626 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4627 \vspace*{-1\baselineskip}%
4628 % Loop through all the bibentries, separating them with semicolons and spaces
4629 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4630 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4631 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4632 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4633 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4634 \bibentry{\@temp@bibkeyx}}%
4635 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4636 \bibentry{\@temp@bibkeyx};\ }%
4637 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4638 }%
4639 }%

```



```

4640 }
4641 %%
4642 % \cite behavior when executed within a sidenote
4643 \newcommand{\@bidiuftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4644 \newcommand{\@bidiuftesidenote@infootnote@cite}[1]{%
4645   \@bidiuftesidenote@add@citation{#1}
4646 }
4647 %%
4648 % Set the default \cite style. This is set and reset by the \sidenote command.
4649 \let\cite\@bidiuftesidenote@normal@cite
4650 \let\LTRcite\@bidiuftelTRSidenote@normal@cite
4651 \let\RTLcite\@bidiufteRTLSidenote@normal@cite
4652 %%
4653 % Transform existing \footnotes into \sidenotes
4654 % Sidenote: ``Where God meant footnotes to go.' ' ---bidiuftesidenote
4655 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4656 \providecommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@}
4657 \renewcommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@}
4658 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4659 % sidenote's text block.
4660 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@bidiuftesidenote@}
4661 % Set the in-text footnote mark in the same typeface as the body text itself.
4662 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@bidiuftesidenote@font\footnotesize}
4663 \providecommand*\@multiplefootnotemark}{3sp}
4664 \providecommand*\@multfootsep}{,}
4665 \bidi@patch@AfterPackage{bidi}{%
4666 \renewcommand{\@footnotemark}{%
4667   \leavevmode%
4668   \ifhmode%
4669     \edef\x@sf{\the\spacefactor}%
4670     \@bidiuftesidenote@check@multiple@sidenotes%
4671     \nobreak%
4672   \fi%
4673   \@makefnmark%
4674   \ifhmode\spacefactor\x@sf\fi%
4675   \relax%
4676 }%
4677 }
4678 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
4679   \ifdim\lastkern=\multiplefootnotemark\relax%
4680     \edef\x@sf{\the\spacefactor}%
4681     \unkern%
4682     \textsuperscript{\multfootsep}%
4683     \spacefactor\x@sf\relax%
4684   \fi
4685 }
4686 \bidi@patch@AfterPackage{bidi}{%
4687 \renewcommand\@footnotetext[2][Opt]{%
4688   \bidiuftesidenotemarginpar{%
4689     \hbox{\vspace*{#1}%

```



```

4690 \def\baselinestretch {\setspace@singlespace}%
4691 \reset@font\footnotesize%
4692 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4693 \vspace*{-1\baselineskip}\noindent%
4694 \protected@edef\@currentlabel{%
4695     \csname p@footnote\endcsname\@thefnmark%
4696 }%
4697 \color@begingroup%
4698     \@makefnmark{%
4699         \ignorespaces#2%
4700     }%
4701 \color@endgroup%
4702 }%
4703 }%
4704 \renewcommand\@LTRfootnotetext[2][0pt]{%
4705     \LTRbidiuftesidenotemarginpar{%
4706         \hbox{}\vspace*{#1}%
4707         \def\baselinestretch {\setspace@singlespace}%
4708         \reset@font\footnotesize%
4709         \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4710         \vspace*{-1\baselineskip}\noindent%
4711         \protected@edef\@currentlabel{%
4712             \csname p@footnote\endcsname\@thefnmark%
4713         }%
4714         \color@begingroup%
4715             \@makefnmark{%
4716                 \ignorespaces#2%
4717             }%
4718         \color@endgroup%
4719     }%
4720 }%
4721 \renewcommand\@RTLfootnotetext[2][0pt]{%
4722     \RTLbidiuftesidenotemarginpar{%
4723         \hbox{}\vspace*{#1}%
4724         \def\baselinestretch {\setspace@singlespace}%
4725         \reset@font\footnotesize%
4726         \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
4727         \vspace*{-1\baselineskip}\noindent%
4728         \protected@edef\@currentlabel{%
4729             \csname p@footnote\endcsname\@thefnmark%
4730         }%
4731         \color@begingroup%
4732             \@makefnmark{%
4733                 \ignorespaces#2%
4734             }%
4735         \color@endgroup%
4736     }%
4737 }%
4738 }
4739 %

```



```

4740 % Define \sidenote command. Can handle \cite.
4741 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4742 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4743 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4744 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4745   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4746   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4747   \ifthenelse{\NOT\isempty{#2}}{%
4748     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4749   }{%
4750     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4751   }%
4752   \ifthenelse{\isempty{#1}}{%
4753     % no specific footnote number provided
4754     \stepcounter\@mpfn%
4755     \protected@xdef\@thefnmark{\thempfn}%
4756     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4757   }{%
4758     % specific footnote number provided
4759     \begingroup%
4760       \csname c@\@mpfn\endcsname #1\relax%
4761       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4762     \endgroup%
4763     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4764   }%
4765   \@bidityftesidenote@print@citations% print any citations
4766   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4767   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4768   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4769   \unskip\ignorespaces% remove extra white space
4770   \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4771   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4772 }
4773 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4774   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4775   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4776   \ifthenelse{\NOT\isempty{#2}}{%
4777     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4778   }{%
4779     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4780   }%
4781   \ifthenelse{\isempty{#1}}{%
4782     % no specific footnote number provided
4783     \stepcounter\@mpfn%
4784     \protected@xdef\@thefnmark{\thempfn}%
4785     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4786   }{%
4787     % specific footnote number provided
4788     \begingroup%
4789       \csname c@\@mpfn\endcsname #1\relax%

```



```

4790 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4791 \endgroup%
4792 \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4793 }%
4794 \@bidituftesidenote@print@citations% print any citations
4795 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4796 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4797 \let\RTLcite\@biditufterTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4798 \unskip\ignorespaces% remove extra white space
4799 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4800 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4801 }
4802 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4803 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4804 \gdef\@bidituftesidenote@citations{}% clear out any old citations
4805 \ifthenelse{\NOT\isempty{#2}}{%
4806 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4807 }{%
4808 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4809 }%
4810 \ifthenelse{\isempty{#1}}{%
4811 % no specific footnote number provided
4812 \stepcounter\@mpfn%
4813 \protected@xdef\@thefnmark{\thempfn}%
4814 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4815 }{%
4816 % specific footnote number provided
4817 \begingroup%
4818 \csname c@\@mpfn\endcsname #1\relax%
4819 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4820 \endgroup%
4821 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4822 }%
4823 \@bidituftesidenote@print@citations% print any citations
4824 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4825 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4826 \let\RTLcite\@biditufterTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4827 \unskip\ignorespaces% remove extra white space
4828 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4829 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4830 }
4831 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[ ] [Opt]}}
4832 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[ ] [Opt]}}
4833 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[ ] [Opt]}}
4834 \bidi@patch@AfterPackage{bidi}{%
4835 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[ ] [Opt]}}%
4836 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[ ] [Opt]}}%
4837 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[ ] [Opt]}}%
4838 }
4839 %%

```



```

4840 % Sidenote without the footnote mark
4841 \newcommand\marginnote[2][Opt]{%
4842   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4843   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4844   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4845   \@bidityftesidenote@print@citations% print any citations
4846   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4847   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4848   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4849 }
4850 \newcommand\LTRmarginnote[2][Opt]{%
4851   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4852   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4853   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4854   \@bidityftesidenote@print@citations% print any citations
4855   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4856   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4857   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4858 }
4859 \newcommand\RTLmarginnote[2][Opt]{%
4860   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4861   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4862   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
4863   \@bidityftesidenote@print@citations% print any citations
4864   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4865   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4866   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4867 }

```

7.25 bidityftetoc.sty

```

4868 \NeedsTeXFormat{LaTeX2e}
4869 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4870 bidi implementation of tufte toc]
4871 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4872 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4873 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4874 %%
4875 % Turn off section numbering
4876 \setcounter{secnumdepth}{-1}
4877 \newboolean{@bidityftetoc@toc}
4878 \setboolean{@bidityftetoc@toc}{true}
4879 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
4880 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
4881 \ProcessOptions
4882 %%
4883 % Make Tuftean-style section headings and TOC formatting
4884 \bidityft@patch@AfterPackage{bidi}{%
4885   \titleformat{\chapter}%
4886   [display]% shape

```



```

4887 {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format app
4888 {\itshape\huge\thechapter}% label
4889 {0pt}% horizontal separation between label and title body
4890 {\huge\rmfamily\itshape}% before the title body
4891 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4892 \titleformat{\section}%
4893 [hang]% shape
4894 {\normalfont\Large\itshape}% format applied to label+text
4895 {\thesection}% label
4896 {1em}% horizontal separation between label and title body
4897 {}% before the title body
4898 []% after the title body
4899 \titleformat{\subsection}%
4900 [hang]% shape
4901 {\normalfont\large\itshape}% format applied to label+text
4902 {\thesubsection}% label
4903 {1em}% horizontal separation between label and title body
4904 {}% before the title body
4905 []% after the title body
4906 \titleformat{\paragraph}%
4907 [runin]% shape
4908 {\normalfont\itshape}% format applied to label+text
4909 {\theparagraph}% label
4910 {1em}% horizontal separation between label and title body
4911 {}% before the title body
4912 []% after the title body
4913 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4914 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4915 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4916 }
4917 % Subsubsection and following section headings shouldn't be used.
4918 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4919 \renewcommand\subsubsection{%
4920 \biditytfloatError{\noexpand\subsubsection is undefined by this class.%
4921 \MessageBreak See Robert Bringhurst's _The Elements of
4922 \MessageBreak Typographic Style_, section 4.2.2.
4923 \MessageBreak \noexpand\subsubsection was used}
4924 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4925 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4926 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytfloat.com/.}
4927 }
4928 \renewcommand\subparagraph{%
4929 \biditytfloatError{\noexpand\subparagraph is undefined by this class.%
4930 \MessageBreak See Robert Bringhurst's _The Elements of
4931 \MessageBreak Typographic Style_, section 4.2.2.
4932 \MessageBreak \noexpand\subparagraph was used}
4933 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4934 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4935 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytfloat.com/.}
4936 }

```




```

4937 % Formatting for main TOC (printed in front matter)
4938 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4939 \ifthenelse{\boolean{@biditytftoc@toc}}{%
4940   \bidi@patch@AfterPackage{bidi}{%
4941     \titlecontents{part}% FIXME
4942     [0em] % distance from left margin
4943     {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4944     {\contentslabel{2em}} % before w/label (label = ``II'')
4945     {} % before w/o label
4946     {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
4947     [\end{fullwidth}] % after
4948   \titlecontents{chapter}%
4949   [0em] % distance from left margin
4950   {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4951   {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4952   {\hspace*{0em}} % before w/o label
4953   {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
4954   [\end{fullwidth}] % after
4955   \titlecontents{section}% FIXME
4956   [0em] % distance from left margin
4957   {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4958   {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4959   {\hspace*{2em}} % before w/o label
4960   {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
4961   [\end{fullwidth}] % after
4962   \titlecontents{subsection}% FIXME
4963   [0em] % distance from left margin
4964   {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4965   {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4966   {\hspace*{4em}} % before w/o label
4967   {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
4968   [\end{fullwidth}] % after
4969   \titlecontents{paragraph}% FIXME
4970   [0em] % distance from left margin
4971   {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4972   {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4973   {\hspace*{6em}} % before w/o label
4974   {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
4975   [\end{fullwidth}] % after
4976 }%
4977 }{}
4978 %%
4979 % Format lists of figures/tables
4980 \renewcommand\listoffigures{%
4981   \@ifundefined{chapter}%
4982   {\section*{\listfigurename}}%
4983   {\chapter*{\listfigurename}}%
4984 % \begin{fullwidth}%
4985   \@starttoc{lof}%
4986 % \end{fullwidth}%

```



```

4987 }
4988 \renewcommand\listoftables{%
4989   \ifundefined{chapter}%
4990     {\section*{\listtablename}}%
4991     {\chapter*{\listtablename}}%
4992 % \begin{fullwidth}%
4993   \@starttoc{lot}%
4994 % \end{fullwidth}%
4995 }
4996 \newcommand{\@bidityfttoc@lof@line}[2]{%
4997   % #1 is the figure/table number and its caption text
4998   % #2 is the page number on which the figure/table appears
4999   \leftskip 0.0em
5000   \rightskip 0em
5001   \parfillskip 0em plus 1fil
5002   \parindent 0.0em
5003   \@afterindenttrue
5004   \interlinepenalty\@M
5005   \leavevmode
5006   \@tempdima 2.0em
5007   \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5008   \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
5009   {#1}\nobreak\qqquad\nobreak#2%
5010   \par%
5011 }
5012 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5013 \let\l@table\l@figure

```

7.26 bidityftgeneralstructure.sty

```

5014 \NeedsTeXFormat{LaTeX2e}
5015 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5016 bidi implementation of tufte general structure]
5017 \renewcommand\small{%
5018   \@setfontsize\small\@ixpt{12}%
5019   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5020   \abovedisplayshortskip \z@ \@plus2\p@
5021   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5022   \def\@listi{\leftmargin\leftmargini
5023     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5024     \parsep 2\p@ \@plus\p@ \@minus\p@
5025     \itemsep \parsep}%
5026   \belowdisplayskip \abovedisplayskip
5027 }
5028 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5029 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5030 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5031 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5032 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5033 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}

```



```

5034 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5035 \setlength\leftmargini {1pc}
5036 \setlength\leftmarginii {1pc}
5037 \setlength\leftmarginiii {1pc}
5038 \setlength\leftmarginiv {1pc}
5039 \setlength\leftmarginv {1pc}
5040 \setlength\leftmarginvi {1pc}
5041 \setlength\labelsep {.5pc}
5042 \setlength\labelwidth {\leftmargini}
5043 \addtolength\labelwidth{-\labelsep}
5044 \setlength{\parindent}{1.0pc}%
5045 \setlength{\parskip}{0pt}%
5046 \RequirePackage{ragged2e}
5047 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hspace}
5048 % Paragraph indentation and separation for normal text
5049 \newcommand{\@bidiutftegeneralstructure@reset@par}{%
5050   \setlength{\RaggedRightParindent}{1.0pc}%
5051   \setlength{\JustifyingParindent}{1.0pc}%
5052   \setlength{\parindent}{1pc}%
5053   \setlength{\parskip}{0pt}%
5054 }
5055 \@bidiutftegeneralstructure@reset@par
5056 % Require paralist package for tighter lists
5057 \RequirePackage{paralist}
5058 % Add rightmargin to compactenum
5059 \def\@compactenum{%
5060   \expandafter\list\csname label\@enumctr\endcsname{%
5061     \usecounter{\@enumctr}%
5062     \rightmargin=2em% added this
5063     \parsep\plparsep
5064     \itemsep\plitemsep
5065     \topsep\pltopsep
5066     \partopsep\plpartopsep
5067     \def\makelabel##1{\hss\llap{##1}}}%
5068 %%
5069 % An environment for paragraph-style section
5070 \providecommand\newthought[1]{%
5071   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5072   \noindent\textbf{#1}%
5073 }
5074 %%
5075 % Redefine the display environments (quote, quotation, etc.)
5076 \renewenvironment{verse}
5077   {\let\\\@centercr
5078    \list{}{\itemsep \z@
5079             \itemindent -1pc%
5080             \listparindent\itemindent
5081             \rightmargin \leftmargin
5082             \advance\leftmargin 1pc}%
5083    \small%

```



```

5084             \item\relax}
5085         {\endlist}
5086 \renewenvironment{quotation}
5087     {\list{}{\listparindent 1pc%
5088             \itemindent \listparindent
5089             \rightmargin \leftmargin
5090             \parsep \z@ \@plus\p@}%
5091     \small%
5092     \item\relax\noindent\ignorespaces}
5093 {\endlist}
5094 \renewenvironment{quote}
5095     {\list{}{\rightmargin\leftmargin}%
5096     \small%
5097     \item\relax}
5098 {\endlist}
5099 % Italicize description run-in headings (instead of the default bold)
5100 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5101 %%
5102 % Redefine \bibsection to not mark the running heads.
5103 % (Code modified from natbib.sty.)
5104 \@ifundefined{chapter}%
5105     {\renewcommand\bibsection{\section*{\refname}}}
5106     {\@ifundefined{NAT@sectionbib}%
5107     {\renewcommand\bibsection{\chapter{\bibname}}}
5108     {\renewcommand\bibsection{\section*{\bibname}}}}
5109 \RequirePackage{multicol}
5110 \renewenvironment{theindex}{%
5111     \@ifundefined{chapter}%
5112     {\section*{\indexname}}%
5113     {\chapter{\indexname}}%
5114     \begin{fullwidth}%
5115     \small%
5116     \parskip0pt%
5117     \parindent0pt%
5118     \let\item\@idxitem%
5119     \begin{multicols}{3}%
5120 }{%
5121     \end{multicols}%
5122     \end{fullwidth}%
5123 }
5124 \AtBeginDocument{%
5125 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5126 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5127 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5128 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5129 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.27 bidentuftehyperref.sty

```

5130 \NeedsTeXFormat{LaTeX2e}

```



```

5131 \ProvidesPackage{biditytethehyperref}[2011/06/18 v0.1
5132 bidi implementation of tufte hyperref]
5133 %%
5134 % Color
5135 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5136 \newboolean{@biditytethehyperref@loadhyper}
5137 \setboolean{@biditytethehyperref@loadhyper}{true}
5138 \DeclareOption{hyper}{\setboolean{@biditytethehyperref@loadhyper}{true}}
5139 \DeclareOption{nohyper}{\setboolean{@biditytethehyperref@loadhyper}{false}}
5140 \ProcessOptions
5141 %% Loads the hyperref package and sets some default options.
5142 \newcommand{\biditytethehyperrefLoadHyperref}{%
5143 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5144 \hypersetup{%
5145     bookmarksdepth = section,
5146     citecolor = DarkGreen,
5147     linkcolor = DarkBlue,
5148 %    pagecolor = DarkBlue,
5149     urlcolor = DarkGreen,
5150 }%
5151 }
5152 \ifthenelse{\boolean{@biditytethehyperref@loadhyper}}{%
5153 \biditytethehyperrefLoadHyperref%
5154 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5155 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5156 }

```

7.28 bidityttitle.sty

```

5157 \NeedsTeXFormat{LaTeX2e}
5158 \ProvidesPackage{bidityttitle}[2011/06/18 v0.1
5159 bidi implementation of tufte title]
5160 \RequirePackage{biditytools}
5161 %%
5162 % `titlepage' option -- creates a full title page with \maketitle
5163 \newboolean{@bidityttitle@titlepage}
5164 \DeclareOption{titlepage}{\setboolean{@bidityttitle@titlepage}{true}}
5165 \DeclareOption{notitlepage}{\setboolean{@bidityttitle@titlepage}{false}}
5166 % Default `book' and `handout' options
5167 \@ifclassloaded{book}{%
5168 \ExecuteOptions{titlepage}}{%
5169 \@ifclassloaded{article}{%
5170 \ExecuteOptions{notitlepage}}%
5171 {}
5172 \ProcessOptions
5173 %%
5174 % Modified \title, \author, and \date commands. These store the
5175 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5176 \newcommand{\plaintitle}{}% plain-text-only title
5177 \newcommand{\plainauthor}{}% plain-text-only author

```



```

5178 \newcommand{\plainpublisher}{}% plain-text-only publisher
5179 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5180 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5181 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5182 \newcommand{\@publisher}{}% full publisher with \thanks{}
5183 \newcommand{\thedata}{\today}
5184 \bidi@patch@AfterPackage{bidi}{%
5185 \renewcommand{\thanks}[1]{\footnote{#1}}
5186 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5187 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5188 }
5189 \renewcommand{\title}[2][]{%
5190 \gdef\@title{#2}%
5191 \begingroup%
5192 % TODO store contents of \thanks command
5193 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5194 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5195 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5196 \protected@xdef\thanklesstitle{#2}%
5197 \endgroup%
5198 \ifthenelse{\isempty{#1}}{%
5199 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5200 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5201 \@ifundefined{hypersetup}%
5202 {}% hyperref is not loaded; do nothing
5203 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5204 }
5205 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5206 \renewcommand{\author}[2][]{%
5207 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5208 \begingroup%
5209 % TODO store contents of \thanks command
5210 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5211 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5212 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5213 \protected@xdef\thanklessauthor{#2}%
5214 \endgroup%
5215 \ifthenelse{\isempty{#1}}{%
5216 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5217 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5218 \@ifundefined{hypersetup}%
5219 {}% hyperref is not loaded; do nothing
5220 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5221 }
5222 \renewcommand{\date}[1]{%
5223 \gdef\@date{#1}%
5224 \begingroup%
5225 % TODO store contents of \thanks command
5226 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5227 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents

```



```

5228 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5229 \protected@xdef\thedata{#1}%
5230 \endgroup%
5231 }
5232 %%
5233 % Provides a \publisher command to set the publisher
5234 \newcommand{\publisher}[2][]{%
5235 \gdef\@publisher{#2}%
5236 \begingroup%
5237 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5238 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5239 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5240 \protected@xdef\thanklesspublisher{#2}%
5241 \endgroup%
5242 \ifthenelse{\isempty{#1}}
5243 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5244 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5245 }
5246 %%
5247 % Produces a full title page
5248 \newcommand{\maketitlepage}[0]{%
5249 \cleardoublepage%
5250 {%
5251 \bfseries%
5252 \begin{fullwidth}%
5253 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5254 \vspace{11.5pc}%
5255 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5256 \vfill%
5257 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5258 \end{fullwidth}%
5259 }
5260 \thispagestyle{empty}%
5261 \clearpage%
5262 }
5263 %%
5264 % Title block
5265 \bidi@AfterEndPreamble{%
5266 \renewcommand{\maketitle}{%
5267 \newpage%
5268 \global\@topnum\z@% prevent floats from being placed at the top of the page
5269 \begingroup%
5270 \setlength{\parindent}{0pt}%
5271 \setlength{\parskip}{4pt}%
5272 \let\@title\@empty%
5273 \let\@author\@empty%
5274 \let\@date\@empty%
5275 \gdef\@title{\LARGE\itshape\@title\par}%
5276 \gdef\@author{\Large\itshape\@author\par}%
5277 \gdef\@date{\Large\itshape\@date\par}%

```



```

5278 \@@title%
5279 \@@author%
5280 \@@date%
5281 \endgroup%
5282 \thispagestyle{plain}% suppress the running head
5283 }%
5284 }
5285 %%
5286 % Title page (if the `titlepage' option was passed to the bidentuftetitle-handout
5287 % class.)
5288 \bidi@AfterEndPreamble{%
5289 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
5290 {\renewcommand{\maketitle}{\maketitlepage}}
5291 {}
5292 }
5293 %%
5294 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5295 % without headers and footers
5296 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5297 \hbox{}
5298 %\vspace*{\fill}
5299 %\begin{center}
5300 % This page intentionally contains only this sentence.
5301 %\end{center}
5302 %\vspace{\fill}
5303 \thispagestyle{empty}
5304 \newpage
5305 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.29 bidentufte-handout.cls

```

5306 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5307 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5308 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5309 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5310 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5311 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5312 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5313 \ProcessOptions\relax
5314 \LoadClass{article}
5315 \RequirePackage{bidentuftefloat}
5316 \RequirePackage{bidentuftesidenote}
5317 \RequirePackage{bidentuftetoc}
5318 \RequirePackage{bidentuftegeneralstructure}
5319 \RequirePackage{bidentuftehyperref}
5320 \RequirePackage{bidentuftetitle}
5321 \renewenvironment{abstract}
5322 {\begin{quotation}}
5323 {\end{quotation}}
5324 \AtBeginDocument{%

```




```

5325 \IfFileExists{biditufte-handout.cfg}
5326   {\input{biditufte-handout.cfg}
5327    \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5328   {}%
5329 }

```

7.30 biditufte-book.cls

```

5330 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5331 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5332 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5333 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5334 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5335 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5336 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5337 \ProcessOptions\relax
5338 \LoadClass{book}
5339 \RequirePackage{bidituftefloat}
5340 \RequirePackage{bidituftesidenote}
5341 \RequirePackage{bidituftetoc}
5342 \RequirePackage{bidituftegeneralstructure}
5343 \RequirePackage{bidituftehyperref}
5344 \RequirePackage{bidituftetitle}
5345 %%
5346 % Set up any book-specific stuff now
5347 %%
5348 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5349 % to the opening page of Chapter 1. The running heads, when they appear,
5350 % contain only the (arabic) page number in the outside corner.
5351 %\newif\if@mainmatter \@mainmattertrue
5352 \renewcommand\frontmatter{%
5353   \cleardoublepage%
5354   \@mainmatterfalse%
5355   \pagenumbering{arabic}%
5356   %\pagestyle{plain}%
5357   \fancyhf{}}%
5358   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5359     {\fancyhead[LE,R0]{\thepage}}%
5360     {\fancyhead[RE,R0]{\thepage}}%
5361   }
5362 %%
5363 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5364 % numbering---it continues where it left off in the front matter.
5365 \renewcommand\mainmatter{%
5366   \cleardoublepage%
5367   \@mainmattertrue%
5368   \fancyhf{}}%
5369   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5370     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5371     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title

```



```

5372 \fancyhead[R0]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
5373 {\fancyhead[RE,R0]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5374 }
5375 %%
5376 % The back matter contains appendices, indices, glossaries, endnotes,
5377 % biliographies, list of contributors, illustration credits, etc.
5378 \renewcommand\backmatter{%
5379 \if@openright%
5380 \cleardoublepage%
5381 \else%
5382 \clearpage%
5383 \fi%
5384 \@mainmatterfalse%
5385 }
5386 %%
5387 % Only show the chapter titles in the table of contents
5388 \setcounter{tocdepth}{0}
5389 \AtBeginDocument{%
5390 \IfFileExists{biditufte-book.cfg}
5391 {\input{biditufte-book.cfg}
5392 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5393 {}%
5394 }

```

7.31 bidipoem.sty

```

5395 \NeedsTeXFormat{LaTeX2e}
5396 \ProvidesPackage{bidipoem}%
5397 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5398
5399 % Usage:
5400 %
5401 % \Setversedim #1#2 % define the layout (within a group):
5402 % #1 = length of both half-verses
5403 % #2 = separation distance = length of a connection, if present
5404 % Variant:
5405 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5406 % #1 = length of first (=right) half-verse
5407 % #2 = length of second (=left) half-verse
5408 % #3 = separation distance = length of a connection, if present
5409 %
5410 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5411 % #1 = text of first (=right) half-verse
5412 % #2 = text of second (=left) half-verse
5413 % Variant:
5414 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5415 % #1 = text of first (=right) half-verse
5416 % #2 = text of connection
5417 % #3 = text of second (=left) half-verse
5418 %

```



```

5419 % Alternative (if preferred):
5420 %
5421 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5422
5423
5424 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1[#2]}
5425
5426 % define the layout, verses will be centered
5427
5428 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5429 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5430
5431 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5432 \bidipoem@hvind \textwidth
5433 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5434 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5435 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5436
5437 \def \bidipoem@set@verseI [#1]{% optional parameter
5438 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5439
5440 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5441 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5442 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5443
5444 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5445 \ifdim Opt > \bidipoem@hvind %
5446 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5447 \else
5448 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5449 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5450 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5451 \par }
5452
5453 % macro for two half verses
5454 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5455 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
5456 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5457 \bidipoem@half@verses@next}
5458
5459 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5460 \traditionalconnverses {#1}{#2}{#3}}
5461
5462
5463 {\catcode\^^M=\active % these lines must end with %
5464 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5465 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5466 {\catcode\^^M=\active % these lines must end with %
5467 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5468 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write

```



```

5469 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5470 \def\poemmarginskip{1em plus 1fil minus 1em}
5471 \def\poemextrabaselineskip{0\baselineskip}
5472 \def\poemskip{\medskip}
5473 \newcommand{\bidipoem@openbox}{\leavevmode
5474   \hbox to.77778em{%
5475     \hfil\vrule
5476     \vbox to.675em{\hrule width.6em\vfil\hrule}%
5477     \vrule\hfil}}
5478 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5479 \newdimen\versewidth
5480 \newtoks\bidipoem@p@ftn
5481 \def\poem@verse#1{%
5482   \ifdim\wd#1>\new@poem@width
5483     \xdef\new@poem@width{\the\wd#1}%
5484     \ifdim\new@poem@width>\poem@width
5485       \xdef\poem@width{\new@poem@width}%
5486     \global\let\poem@needrun\relax
5487   \fi
5488   \fi
5489   \hbox to\poem@width{\unhbox#1}%
5490   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5491 }
5492 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
5493 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5494 \def\poem@lineversesep{%
5495   \nobreak
5496   \hskip\z@ plus 1filll%
5497   \penalty600%
5498   \hskip\poemcolsepskip
5499   \hskip\z@ plus -2filll%
5500   \vadjust{}%
5501   \nobreak
5502   \hskip\z@ plus 1filll%
5503 }
5504 \def\poem@lineparsebegin{%
5505   \halign\bgroup
5506   \global\setbox\verse@i=\hbox{%
5507     \let\@footnotetext\bidipoem@p@ftntext%
5508     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5509     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5510     \let\@xfootnotenext\bidipoem@p@xftntext%
5511     \let\@xfootnote\bidipoem@p@xfootnote%
5512     \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5513     \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5514     \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5515     \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5516     \ignorespaces##\unskip}&&
5517   \global\setbox\verse@ii=\hbox{%
5518     \let\@footnotetext\bidipoem@p@ftntext%

```



```

5519 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5520 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5521 \let\@xfootnotenext\bidipoem@p@xftntext%
5522 \let\@xfootnote\bidipoem@p@xfootnote%
5523 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5524 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5525 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5526 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5527 \ignorespaces##\unskip}
5528 \cr
5529 }
5530 \def\poem@lineparseend{%
5531 \crrc\egroup
5532 \vskip-\baselineskip
5533 }
5534 \def\traditionalpoem@cr{%
5535 \cr\poem@line
5536 }
5537 \newbox\verse@i
5538 \newbox\verse@ii
5539 \newif\ifpoem@started
5540
5541 \def\poem@line{%
5542 \poem@lineparseend
5543 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5544 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5545 \ifpoem@started
5546 \ifdim\wd\verse@ii>\z@\else
5547 \nopagebreak[3]
5548 \fi
5549 \leavevmode
5550 \poem@linebegin
5551 \poem@verse\verse@i
5552 \ifdim\wd\verse@ii>\z@
5553 \poem@lineversesep
5554 \poem@verse\verse@ii
5555 \fi
5556 \poem@lineend
5557 % \nopagebreak
5558 \par
5559 \vskip\poemextrabaselineskip
5560 \fi
5561 \poem@lineparsebegin
5562 }
5563 \def\@traditionalpoem{%
5564 \stepcounter{poem@no}
5565 \ifnum\max@poem@no<\number\c@poem@no%
5566 \xdef\poem@width{\z@}%
5567 \else
5568 \xdef\poem@width{\poem@prop{poem@width}}%

```



```

5569 \fi
5570 \xdef\new@poem@width{\z@}%
5571 \global\versewidth=\poem@width

5572 \poemskip\par
5573 \begingroup
5574 \tabskip=\z@
5575 \parskip=\z@
5576 \parindent=\z@
5577 \parfillskip=\z@
5578 \rightskip=\z@
5579 \leftskip=\z@
5580 \widowpenalty=10000% No break between verses of the same line.
5581 \clubpenalty=10000% Same as above. Not really needed.
5582 \def\newblock{\hfil\poemblocksep\hfil\null}%
5583 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5584 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5585 \global\poem@startedfalse
5586 \csname poem@obeylines\endcsname
5587 \let\poem@obeylines\relax
5588 \poem@lineparsebegin
5589 }
5590 \def\@endtraditionalpoem{%
5591 \cr
5592 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5593 \noalign{%
5594 \skip0=\poemextrabaseskip
5595 \vskip-\skip0
5596 \vskip-\baseskip
5597 }%
5598 \fi\fi
5599 \poem@lineparseend
5600 \endgroup
5601 \par
5602 \vskip\baseskip
5603 \poemskip
5604 \if@nparlist \else
5605 \ifdim\lastskip >\z@
5606 \@tempskipa\lastskip \vskip -\lastskip
5607 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5608 \vskip\@tempskipa
5609 \fi
5610 \@endparenv
5611 \fi
5612 \ifdim\new@poem@width<\poem@width
5613 \global\let\poem@needrun\relax
5614 \fi
5615 \poem@write@aux{\poem@width\romannumeral\c@poem@no}{\new@poem@width}%
5616 \ifx\AtEndDocument\undefined\poem@finish\fi
5617 }

```



```

5618
5619
5620 \long\def\bidipoem@p@ftntext#1{%
5621   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}%
5622   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5623 \long\def\bidipoem@p@LTRftntext#1{%
5624   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}%
5625   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5626 \long\def\bidipoem@p@RTLftntext#1{%
5627   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
5628   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5629
5630 \long\def\bidipoem@p@xftntext[#1]#2{%
5631   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5632
5633 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5634   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5635
5636 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5637   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5638
5639 \def\bidipoem@p@xfootnote[#1]{%
5640   \begingroup
5641     \csname c@\mpfn\endcsname #1\relax
5642     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5643   \endgroup
5644   \@footnotemark\bidipoem@p@xftntext[#1]}
5645
5646 \def\bidipoem@p@xLTRfootnote[#1]{%
5647   \begingroup
5648     \csname c@\mpfn\endcsname #1\relax
5649     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5650   \endgroup
5651   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5652
5653 \def\bidipoem@p@xRTLfootnote[#1]{%
5654   \begingroup
5655     \csname c@\mpfn\endcsname #1\relax
5656     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5657   \endgroup
5658   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5659
5660
5661
5662 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5663 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyli
5664 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5665 \def\poem@finish{%
5666 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5667 \ifx\poem@needrun\relax

```



```

5668 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5669 \global\let\poem@needrun\undefined
5670 \fi
5671 }
5672 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5673 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5674 \ifx\max@poem@no\undefined
5675     \def\max@poem@no{0}%
5676 \fi
5677 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5678 \newcommand{\poem@write@aux}[2]{%
5679     \def\x{\immediate\write\auxout{\global\noexpand\@namedef{#1}{#2}}}%
5680     \x
5681 }
5682 \def\@modernpoem{%
5683 \par
5684 \begingroup
5685 \parskip=\z@
5686 \parindent=\z@
5687 \def[{]{\@settab\@tabplus\ignorespaces}%
5688 \def\]{\@tabminus\ignorespaces}%
5689 \def\newblock{\poemblocksep}%
5690 \let\newpoem@tabcr\@tabcr
5691 \def\modernpoem@par{% Redefine \par for possible \obeylines
5692     \ifpoem@started\else
5693         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5694             \@stopfield
5695             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5696             \@contfield
5697         \fi
5698     \fi
5699     \ifpoem@started\newpoem@tabcr\fi}%
5700 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5701 \global\poem@startedfalse
5702 \csname poem@obeylines\endcsname
5703 \let\poem@obeylines\relax
5704 \begin{tabbing}%
5705 }
5706 \def\@endmodernpoem{%
5707 \global\poem@startedfalse
5708 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5709     \@stopfield
5710     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5711     \@contfield
5712 \fi
5713 \ifpoem@started\else\let\@stopline\@stopfield\fi
5714 \end{tabbing}%
5715 \endgroup
5716 \par
5717 \if@nparlist \else

```




```

5718 \ifdim\lastskip >\z@
5719 \@tempskipa\lastskip \vskip -\lastskip
5720 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5721 \vskip\@tempskipa
5722 \fi
5723 \@endparenv
5724 \fi
5725 }
5726 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5727 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modern
5728 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5729 \gdef\@startfield{%
5730 \global\setbox\@curfield\hbox\bgroup%
5731 \let\@footnotetext\bidipoem@p@ftntext%
5732 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5733 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5734 \let\@xfootnotenext\bidipoem@p@xftntext%
5735 \let\@xfootnote\bidipoem@p@xfootnote%
5736 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5737 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5738 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5739 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5740 \color@begingroup}
5741 \gdef\@stopfield{%
5742 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5743 \gdef\@contfield{%
5744 \global\setbox\@curfield\hbox\bgroup%
5745 \let\@footnotetext\bidipoem@p@ftntext%
5746 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5747 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5748 \let\@xfootnotenext\bidipoem@p@xftntext%
5749 \let\@xfootnote\bidipoem@p@xfootnote%
5750 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5751 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5752 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5753 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5754 \color@begingroup\unhbox\@curfield}

```

7.32 boek3-xetex-bidi.def

```

5755 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX en
5756 \renewenvironment{theindex}{\%
5757 \if@twocolumn
5758 \@restonecolfalse
5759 \else
5760 \@restonecoltrue
5761 \fi
5762 \columnseprule \z@
5763 \columnsep 35\p@
5764 \twocolumn[\@makeschapterhead{\indexname}]\%

```



```

5765 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5766 \thispagestyle{plain}\parindent\z@
5767 \parskip\z@ \@plus .3\p@\relax
5768 \let\item\@idxitem
5769 }{%
5770 \if@restonecol\onecolumn\else\clearpage\fi}
5771 \renewcommand*\head@style{%
5772   \interlinepenalty \@M
5773   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5774   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5775 \renewcommand*\@regtocline[3]{%
5776   \ifnum #1>\c@tocdepth
5777   \else
5778     \vskip\z@ \@plus .2\p@
5779     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5780      \if@RTL\rightskip\else\leftskip\fi\unitindent
5781      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5782      \parfillskip\z@
5783      \@tempdima\unitindent
5784      \parindent\z@
5785      \leavevmode
5786      \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5787       \hskip 1em \nobreak{\slshape #3}\par
5788      }%
5789   \fi}
5790 \if@oldtoc
5791 \renewcommand*\l@part[2]{%
5792   \ifnum \c@tocdepth >-2\relax
5793     \addpenalty{-\@highpenalty}%
5794     \addvspace{2.25em \@plus\p@}%
5795     \begingroup
5796       \setlength\@tempdima{3em}%
5797       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5798       \parfillskip -\@pnumwidth
5799       {\leavevmode
5800        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5801        \nobreak
5802        \global\@nobreaktrue
5803        \everypar{\global\@nobreakfalse\everypar{}}%
5804      \endgroup
5805   \fi}
5806 \else
5807 \renewcommand*\l@part{%
5808   \ifnum \c@tocdepth >-2\relax
5809     \addpenalty{-\@highpenalty}%
5810     \addvspace{2.25em \@plus \p@}%
5811     \@regtocline{0}%
5812   \fi}
5813 \fi
5814 \if@oldtoc

```



```

5815 \renewcommand*\l@chapter[2]{%
5816     \addpenalty{-\@highpenalty}%
5817     \vskip 1.0em \@plus\p@
5818     \setlength\@tempdima{1.5em}%
5819     \begingroup
5820     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5821     \parfillskip -\@pnumwidth
5822     \leavevmode \bfseries
5823     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5824     \hskip -\if@RTL\rightskip\else\leftskip\fi
5825     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5826     \penalty\@highpenalty
5827     \endgroup}
5828 \else
5829     \renewcommand*\l@chapter{\@regtocline{0}}
5830 \fi
5831 \renewenvironment{abstract}{%
5832     \titlepage
5833     \null\vfil
5834     \section*{\SectFont \abstractname}
5835     \noindent\ignorespaces}
5836     {\par\vfil\null\endtitlepage}
5837 \renewenvironment{thebibliography}[1]
5838     {\chapter*{\bibname}%
5839     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5840     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5841     \list{\@biblabel{\@arabic{c@enumiv}}}%
5842         {\settowidth\labelwidth{\@biblabel{#1}}%
5843         \leftmargin\labelwidth
5844         \advance\leftmargin\labelsep
5845         \@openbib@code
5846         \usecounter{enumiv}%
5847         \let\p@enumiv\@empty
5848         \renewcommand*\theenumiv{\@arabic{c@enumiv}}}%
5849     \sloppy\clubpenalty4000\widowpenalty4000%
5850     \sfcode`\.\@m}
5851     {\def\@noitemerr
5852     {\@latex@warning{Empty `thebibliography' environment}}}%
5853     \endlist}
5854 \renewcommand*\left@footnoterule{%
5855     \kern-3\p@
5856     \kern.5\baselineskip
5857     \hrule\@width\unitindent
5858     \kern.4\baselineskip
5859 }
5860 \renewcommand*\right@footnoterule{%
5861     \kern-3\p@
5862     \kern.5\baselineskip
5863     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5864     \kern.4\baselineskip}

```



```

5865 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5866 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5867 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5868 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5869 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5870 \renewcommand*\theequation{%
5871   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5872 \renewcommand*\thefigure{%
5873   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5874 \renewcommand*\thetable{%
5875   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5876 \renewcommand*\maketitle{%
5877   \begin{titlepage}%
5878     \let\footnotesize\small
5879     \let\right@footnoterule\relax
5880     \let\left@footnoterule\relax
5881     \let\textwidth@footnoterule\relax
5882     \let \footnote \thanks
5883     \long\def\@makefnmark##1{\parindent\z@
5884       \def\labelitemi{\textendash}\@revlabeltrue
5885       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5886     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5887     \if@compatibility\setcounter{page}{0}\fi
5888     \null\vfil
5889     \vskip 60\p@
5890     \begin{center}%
5891       \TitleFont
5892       {\LARGE \def\\{\penalty -\@M}
5893         \if@allcaps
5894           \expandafter\uc@nothanks\@title\thanks\relax
5895         \else
5896           \@title
5897         \fi\par}%
5898       \vskip 3em%
5899       {\large
5900         \lineskip .75em \parindent\z@
5901         \begin{tabular}[t]{c}%
5902           \if@allcaps
5903             \expandafter\uc@authornothanks\@author\and\relax
5904           \else
5905             \@author
5906           \fi
5907         \end{tabular}\par}%
5908       \vskip 1.5em%
5909       {\large
5910         \if@allcaps
5911           \uppercase\expandafter{\@date}%
5912         \else
5913           \@date
5914         \fi\par}%

```



```

5915     \end{center}\par
5916     \@thanks
5917     \vfil\null
5918 \end{titlepage}%
5919 \setcounter{footnote}{0}%
5920 \global\let\thanks\relax
5921 \global\let\maketitle\relax
5922 \global\let\@thanks\@empty
5923 \global\let\@author\@empty
5924 \global\let\@title\@empty
5925 \global\let\@date\@empty
5926 \global\let\title\relax
5927 \global\let\author\relax
5928 \global\let\date\relax
5929 \global\let\and\relax
5930 }

```

7.33 boek-xetex-bidi.def

```

5931 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5932 \renewenvironment{theindex}{%
5933   \if@twocolumn
5934     \@restonecolfalse
5935   \else
5936     \@restonecoltrue
5937   \fi
5938   \columnseprule \z@
5939   \columnsep 35\p@
5940   \twocolumn[\@makeschapterhead{\indexname}]{%
5941     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5942     \thispagestyle{plain}\parindent\z@
5943     \parskip\z@ \@plus .3\p@\relax
5944     \let\item\@idxitem
5945   }{%
5946     \if@restonecol\onecolumn\else\clearpage\fi}
5947 \renewcommand*{\head@style}{%
5948   \interlinepenalty \@M
5949   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5950   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5951 \renewcommand*{\regtocline}[3]{%
5952   \ifnum #1>\c@tocdepth
5953     \else
5954       \vskip\z@ \@plus.2\p@
5955       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5956        \if@RTL\rightskip\else\leftskip\fi\unitindent
5957        \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5958        \parfillskip\z@
5959        \@tempdima\unitindent
5960        \parindent\z@
5961        \leavevmode

```



```

5962     \hbox{}\hskip -\if@RTL\rightright\else\leftskip\fi\relax#2\nobreak
5963     \hskip 1em \nobreak{\slshape #3}\par
5964   }%
5965 \fi}
5966 \if@oldtoc
5967 \renewcommand*\l@part[2]{%
5968   \ifnum \c@tocdepth >-2\relax
5969     \addpenalty{-\@highpenalty}%
5970     \addvspace{2.25em \@plus\p@}%
5971     \begingroup
5972       \setlength\@tempdima{3em}%
5973       \parindent \z@ \if@RTL\leftskip\else\rightright\fi \@pnumwidth
5974       \parfillskip -\@pnumwidth
5975       {\leavevmode
5976         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5977         \nobreak
5978         \global\@nobreaktrue
5979         \everypar{\global\@nobreakfalse\everypar{}}}%
5980     \endgroup
5981   \fi}
5982 \else
5983   \renewcommand*\l@part{%
5984     \ifnum \c@tocdepth >-2\relax
5985       \addpenalty{-\@highpenalty}%
5986       \addvspace{2.25em \@plus\p@}%
5987       \@regtocline{0}%
5988     \fi}
5989 \fi
5990 \if@oldtoc
5991 \renewcommand*\l@chapter[2]{%
5992   \addpenalty{-\@highpenalty}%
5993   \vskip 1.0em \@plus\p@
5994   \setlength\@tempdima{1.5em}%
5995   \begingroup
5996     \parindent \z@ \if@RTL\leftskip\else\rightright\fi \@pnumwidth
5997     \parfillskip -\@pnumwidth
5998     \leavevmode \bfseries
5999     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
6000     \hskip -\if@RTL\rightright\else\leftskip\fi
6001     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6002     \penalty\@highpenalty
6003   \endgroup}
6004 \else
6005   \renewcommand*\l@chapter{\@regtocline{0}}
6006 \fi
6007 \renewcommand*\left@footnoterule{%
6008   \kern-3\p@
6009   \kern.5\baselineskip
6010   \hrule\@width\unitindent
6011   \kern.4\baselineskip

```



```

6012 }
6013 \renewcommand*\right@footnoterule{%
6014   \kern-3\p@
6015   \kern.5\baselineskip
6016   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6017   \kern.4\baselineskip}
6018 \renewenvironment{abstract}{%
6019   \titlepage
6020   \null\vfil
6021   \section*{\SectFont \abstractname}
6022   \noindent\ignorespaces}
6023   {\par\vfil\null\endtitlepage}
6024 \renewenvironment{thebibliography}[1]
6025   {\chapter*{\bibname}%
6026     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6027     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6028     \list{\@biblabel{\@arabic\c@enumiv}}%
6029       {\settowidth\labelwidth{\@biblabel{#1}}%
6030        \leftmargin\labelwidth
6031        \advance\leftmargin\labelsep
6032        \@openbib@code
6033        \usecounter{enumiv}%
6034        \let\p@enumiv\@empty
6035        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6036     \sloppy\clubpenalty4000\widowpenalty4000%
6037     \sfcode`\.\@m}
6038   {\def\@noitemerr
6039     {\@latex@warning{Empty `thebibliography' environment}}}%
6040   \endlist}
6041 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6042 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6043 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6044 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6045 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6046 \renewcommand*\theequation{%
6047   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6048 \renewcommand*\thefigure{%
6049   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6050 \renewcommand*\thetable{%
6051   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6052 \renewcommand*\maketitle{%
6053   \begin{titlepage}%
6054     \let\footnotesize\small
6055     \let\right@footnoterule\relax
6056     \let\left@footnoterule\relax
6057     \let\textwidth\footnoterule\relax
6058     \let \footnote \thanks
6059     \long\def\@makefnmark##1{\parindent\z@
6060       \def\labelitemi{\textendash}\@revlabeltrue
6061       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

6062 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6063 \if@compatibility\setcounter{page}{0}\fi
6064 \null\vfil
6065 \vskip 60\p@
6066 \begin{center}%
6067 \TitleFont
6068 {\LARGE \def\{\penalty -\@M}
6069 \if@allcaps
6070 \expandafter\uc@nothanks\@title\thanks\relax
6071 \else
6072 \@title
6073 \fi\par}%
6074 \vskip 3em%
6075 {\large
6076 \lineskip .75em \parindent\z@
6077 \begin{tabular}[t]{c}%
6078 \if@allcaps
6079 \expandafter\uc@authornothanks\@author\and\relax
6080 \else
6081 \@author
6082 \fi
6083 \end{tabular}\par}%
6084 \vskip 1.5em%
6085 {\large
6086 \if@allcaps
6087 \uppercase\expandafter{\@date}%
6088 \else
6089 \@date
6090 \fi\par}%
6091 \end{center}\par
6092 \@thanks
6093 \vfil\null
6094 \end{titlepage}%
6095 \setcounter{footnote}{0}%
6096 \global\let\thanks\relax
6097 \global\let\maketitle\relax
6098 \global\let\@thanks\@empty
6099 \global\let\@author\@empty
6100 \global\let\@title\@empty
6101 \global\let\@date\@empty
6102 \global\let\title\relax
6103 \global\let\author\relax
6104 \global\let\date\relax
6105 \global\let\and\relax
6106 }

```

7.34 bookest-xetex-bidi.def

```

6107 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
6108 \def\@makechapterhead#1{%

```




```

6109 \vspace*{20\p@}
6110 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6111 \ifnum \c@secnumdepth >\m@ne
6112 \if@mainmatter
6113 {\colorA\huge\scshape \@chapapp\space \thechapter}
6114 \par\nobreak
6115 \vskip 10\p@
6116 \fi
6117 \fi
6118 \interlinepenalty\@M
6119 {\colorB\hrule}
6120 \vskip 15\p@
6121 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6122 {\colorA\Huge \bfseries #1}\par\nobreak
6123 \if@RTL\end{flushleft}\else\end{flushright}\fi
6124 \vskip 5\p@
6125 {\colorB\hrule}
6126 \vskip 30\p@
6127 }}
6128 \def\@makeschapterhead#1{%
6129 \vspace*{20\p@}
6130 {\parindent \z@ \raggedright \normalfont
6131 {\colorB\hrule}
6132 \vskip 15\p@
6133 \begin{center}
6134 {\colorA\Huge \bfseries #1}\par\nobreak
6135 \end{center}
6136 \vskip 5\p@
6137 {\colorB\hrule}
6138 \vskip 30\p@
6139 }}

```

7.35 book-xetex-bidi.def

```

6140 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for X
6141 \renewenvironment{theindex}
6142 {\if@twocolumn
6143 \@restonecolfalse
6144 \else
6145 \@restonecoltrue
6146 \fi
6147 \columnseprule \z@
6148 \columnsep 35\p@
6149 \twocolumn[\@makeschapterhead{\indexname}]%
6150 \mkboth{\MakeUppercase\indexname}%
6151 {\MakeUppercase\indexname}%
6152 \thispagestyle{plain}\parindent\z@
6153 \parskip\z@ \@plus .3\p@\relax
6154 \let\item\@idxitem}
6155 {\if@restonecol\onecolumn\else\clearpage\fi}

```



```

6156 \@ifclassloaded{bookest}{}{%
6157   \if@titlepage
6158     \renewcommand\maketitle{\begin{titlepage}%
6159       \let\footnotesize\small
6160       \let\right@footnoterule\relax
6161       \let\left@footnoterule\relax
6162       \let\textwidth@footnoterule\relax
6163       \let \footnote \thanks
6164       \let \LTRfootnote \LTRthanks
6165       \let \RTLfootnote \RTLthanks
6166       \null\vfil
6167       \vskip 60\p@
6168       \begin{center}%
6169         {\LARGE \@title \par}%
6170         \vskip 3em%
6171         {\large
6172           \lineskip .75em%
6173           \begin{tabular}[t]{c}%
6174             \@author
6175           \end{tabular}\par}%
6176         \vskip 1.5em%
6177         {\large \@date \par}%           % Set date in \large size.
6178       \end{center}\par
6179       \@thanks
6180       \vfil\null
6181     \end{titlepage}%
6182     \setcounter{footnote}{0}%
6183     \global\let\thanks\relax
6184     \global\let\LTRthanks\relax
6185     \global\let\RTLthanks\relax
6186     \global\let\maketitle\relax
6187     \global\let\@thanks\@empty
6188     \global\let\@author\@empty
6189     \global\let\@date\@empty
6190     \global\let\@title\@empty
6191     \global\let\title\relax
6192     \global\let\author\relax
6193     \global\let\date\relax
6194     \global\let\and\relax
6195   }
6196 \else
6197 \renewcommand\maketitle{\par
6198   \begingroup
6199     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6200     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6201     \long\def\@makefntext##1{\parindent 1em\noindent
6202       \hb@xt@1.8em{%
6203         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6204     \if@twocolumn
6205       \ifnum \col@number=\@ne

```



```

6206         \@maketitle
6207     \else
6208         \twocolumn[\@maketitle]%
6209     \fi
6210 \else
6211     \newpage
6212     \global\@topnum\z@    % Prevents figures from going at top of page.
6213     \@maketitle
6214     \fi
6215     \thispagestyle{plain}\@thanks
6216 \endgroup
6217 \setcounter{footnote}{0}%
6218 \global\let\thanks\relax
6219 \global\let\LTRthanks\relax
6220 \global\let\RTLthanks\relax
6221 \global\let\maketitle\relax
6222 \global\let\@maketitle\relax
6223 \global\let\@thanks\@empty
6224 \global\let\@author\@empty
6225 \global\let\@date\@empty
6226 \global\let\@title\@empty
6227 \global\let\title\relax
6228 \global\let\author\relax
6229 \global\let\date\relax
6230 \global\let\and\relax
6231 }
6232 \def\@maketitle{%
6233     \newpage
6234     \null
6235     \vskip 2em%
6236     \begin{center}%
6237     \let \footnote \thanks
6238     \let \LTRfootnote \LTRthanks
6239     \let \RTLfootnote \RTLthanks
6240     {\LARGE \@title \par}%
6241     \vskip 1.5em%
6242     {\large
6243         \lineskip .5em%
6244         \begin{tabular}[t]{c}%
6245             \@author
6246         \end{tabular}\par}%
6247     \vskip 1em%
6248     {\large \@date}%
6249     \end{center}%
6250     \par
6251     \vskip 1.5em}
6252 \fi}
6253 \renewcommand*\l@part[2]{%
6254     \ifnum \c@tocdepth >-2\relax
6255         \addpenalty{-\@highpenalty}%

```



```

6256 \addvspace{2.25em \@plus\p@}%
6257 \setlength\@tempdima{3em}%
6258 \begingroup
6259 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6260 \parfillskip -\@pnumwidth
6261 {\leavevmode
6262 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6263 \nobreak
6264 \global\@nbreaktrue
6265 \everypar{\global\@nbreakfalse\everypar{}}%
6266 \endgroup
6267 \fi}
6268 \renewcommand*\l@chapter[2]{%
6269 \ifnum \c@tocdepth >\m@ne
6270 \addpenalty{-\@highpenalty}%
6271 \vskip 1.0em \@plus\p@
6272 \setlength\@tempdima{1.5em}%
6273 \begingroup
6274 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6275 \parfillskip -\@pnumwidth
6276 \leavevmode \bfseries
6277 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6278 \hskip -\if@RTL\rightskip\else\leftskip\fi
6279 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6280 \penalty\@highpenalty
6281 \endgroup
6282 \fi}
6283 \renewcommand\left@footnoterule{%
6284 \kern-3\p@
6285 \hrule\@width.4\columnwidth
6286 \kern2.6\p@}
6287 \renewcommand\right@footnoterule{%
6288 \kern-3\p@
6289 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6290 \kern2.6\p@}
6291 \renewcommand\theequation
6292 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6293 \renewcommand \thefigure
6294 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6295 \renewcommand \thetable
6296 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6297 \renewcommand \thechapter {\@arabic\c@chapter}
6298 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6299 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6300 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6301 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6302 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6303 \def\@makechapterhead#1{%
6304 \vspace*{50\p@}%
6305 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont

```



```

6306 \ifnum \c@secnumdepth >\m@ne
6307 \if@mainmatter
6308 \huge\bfseries \@chapapp\space \thechapter
6309 \par\nobreak
6310 \vskip 20\p@
6311 \fi
6312 \fi
6313 \interlinepenalty\@M
6314 \Huge \bfseries #1\par\nobreak
6315 \vskip 40\p@
6316 }}
6317 \def\@makeschapterhead#1{%
6318 \vspace*{50\p@}%
6319 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6320 \normalfont
6321 \interlinepenalty\@M
6322 \Huge \bfseries #1\par\nobreak
6323 \vskip 40\p@
6324 }}
6325 \renewcommand\backmatter{%
6326 \if@openright
6327 \cleardoublepage
6328 \else
6329 \clearpage
6330 \fi
6331 \@mainmatterfalse}
6332 \renewenvironment{thebibliography}[1]
6333 {\chapter*{\bibname}%
6334 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6335 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6336 \list{\@biblabel{\@arabic\c@enumiv}}%
6337 {\settowidth\labelwidth{\@biblabel{#1}}%
6338 \leftmargin\labelwidth
6339 \advance\leftmargin\labelsep
6340 \@openbib@code
6341 \usecounter{enumiv}%
6342 \let\p@enumiv\@empty
6343 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6344 \sloppy
6345 \clubpenalty4000
6346 \@clubpenalty \clubpenalty
6347 \widowpenalty4000%
6348 \sfcode`.\@m}
6349 {\def\@noitemerr
6350 {\@latex@warning{Empty `thebibliography' environment}}}%
6351 \endlist}

```

7.36 breqn-xetex-bidi.def

```

6352 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeTeX

```



```

6353 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6354 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6355 \if@noskipsec \leavevmode \fi
6356 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6357 \if\eq@group\else\eq@prelim\fi
6358 \setkeys{breqn}{#1}%
6359 \the\eqstyle
6360 \eq@setnumber
6361 \begingroup
6362 \eq@setup@a
6363 \eq@startup
6364 }
6365 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6366 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6367 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6368 \global\let\GRP@label\@empty
6369 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6370 \global\grp@linewidth\z@\global\grp@wdNum\z@
6371 \global\let\grp@eqs@numbered\@False
6372 \global\let\grp@aligned\@True
6373 \global\let\grp@shiftnumber\@False
6374 \eq@prelim
6375 \setkeys{breqn}{#1}%
6376 \if\grp@hasNumber \grp@setnumber \fi
6377 }
6378 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6379 \let\display@setup\dseries@display@setup
6380 % Question: should this be the default for dseries???
6381 \global\eq@wdCond\z@
6382 \@dmath[layout={M},#1]%
6383 \mathsurround\z@\@math \penalty\@Mi
6384 \let\endmath\ends@math
6385 \def\premath{%
6386 \ifdim\lastskip<.3em \unskip
6387 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6388 }%
6389 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6390 \ignorespaces
6391 }
6392 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
6393 \renewenvironment{dsuspend}{%
6394 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6395 \parshape 1 \displayindent \displaywidth\relax
6396 \hsize=\columnwidth \noindent\ignorespaces
6397 }{%
6398 \par\egroup
6399 \global\setbox\GRP@box\vbox{%
6400 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6401 \unvbox\GRP@box
6402 }%

```



```

6403 \global\GRP@queue\@xp{\the\GRP@queue
6404 \@elt{\let\eq@isIntertext\@True}%
6405 }%
6406 }

```

7.37 cals-xetex-bidi.def

```

6407 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX en
6408 \renewenvironment{calstable}[1][c]{%
6409 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6410 \if l#1%
6411 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6412 \else\if r#1%
6413 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6414 \else\if c#1%
6415 \leftskip\fill \rightskip\fill
6416 \fi\fi\fi
6417 \let\cals@thead@tokens=\relax
6418 \let\cals@tfoot@tokens=\relax
6419 \let\cals@tbreak@tokens=\relax
6420 \cals@tfoot@height=0pt \relax
6421 \let\cals@last@context=n%
6422 \let\cals@current@context=b%
6423 \parindent=0pt %
6424 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsiz%
6425 %% Alignment inside is independent on center/flushright outside
6426 \parfillskip=0pt plus1fil\relax
6427 \let\cals@borderL=\relax
6428 \let\cals@borderR=\relax
6429 \let\cals@borderT=\relax
6430 \let\cals@borderB=\relax
6431 }{% End of the table
6432 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6433
6434 \renewcommand\alignL{%
6435 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6436 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6437
6438 \renewcommand\alignR{%
6439 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6440 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.38 caption-xetex-bidi.def

```

6441 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6442 \let\@makecaption\caption@makecaption

```

7.39 caption3-xetex-bidi.def

```

6443 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6444 \renewcommand*\caption@par{%
6445 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```



7.40 colortbl-xetex-bidi.def

```

6446 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6447 \def\CT@setup{%
6448   \@tempdimb\col@sep
6449   \@tempdimc\col@sep
6450   \def\CT@color{%
6451     \global\let\CT@do@color\CT@@do@color
6452     \bidicolor}}
6453 \def\@classz{\@classx
6454   \@tempcnta \count@
6455   \prepnext@tok
6456 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6457   \@addtopreamble{\if@RTLtab\beginL\fi%
6458     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6459     \ifcase \@chnum
6460       \hskip\stretch{.5}\kern\z@
6461       \d@llarbegin
6462       \insert@column
6463       \d@llarend\hskip\stretch{.5}\or
6464       \d@llarbegin \insert@column \d@llarend \hfill \or
6465       \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6466     $\vcenter
6467     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6468     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6469     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6470   \fi
6471   \if@RTLtab\endR\fi\egroup\egroup
6472 \begingroup
6473   \CT@setup
6474   \CT@column@color
6475   \CT@row@color
6476   \CT@cell@color
6477   \CT@do@color
6478 \endgroup
6479   \@tempdima\ht\z@
6480   \advance\@tempdima\minrowclearance
6481   \vrule\@height\@tempdima\@width\z@
6482   \unhbox\z@\if@RTLtab\endL\fi}%
6483 \prepnext@tok}

```

7.41 color-xetex-bidi.def

```

6484 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX
6485 \long\def\color@b@x#1#2#3{%
6486   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6487   \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6488   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6489   \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6490   {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6491     \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}

```




```

6492 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi
6493 \DeclareRobustCommand\color{%
6494   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
6495 \def\@declaredcolor#1{%
6496   \@ifundefined{string\color @#1}%
6497     {\c@lor@error{`#1'}}%
6498     {\expandafter\let\expandafter\current@color
6499       \csname\string\color @#1\endcsname
6500       \set@color}%
6501   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6502 \def\@undeclaredcolor[#1]#2{%
6503   \@ifundefined{color@#1}%
6504     {\c@lor@error{model `#1'}}%
6505     {\csname color@#1\endcsname\current@color{#2}%
6506       \set@color}%
6507   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6508 \DeclareRobustCommand\bidicolor{%
6509   \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
6510 \def\@bidiundeclaredcolor[#1]#2{%
6511   \@ifundefined{color@#1}%
6512     {\c@lor@error{model `#1'}}%
6513     {\csname color@#1\endcsname\current@color{#2}%
6514       \set@color}%
6515   \ignorespaces}
6516 \def\@bidideclaredcolor#1{%
6517   \@ifundefined{string\color @#1}%
6518     {\c@lor@error{`#1'}}%
6519     {\expandafter\let\expandafter\current@color
6520       \csname\string\color @#1\endcsname
6521       \set@color}%
6522   \ignorespaces}
6523 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6524 \def\color@fbox#1#2#3{%
6525   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6526 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

7.42 combine-xetex-bidi.def

```

6527 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6528 \renewcommand{\c@ll@chapsecii}[2]{%
6529   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6530   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6531   #1\nobreak\hfil\nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6532 }
6533 \renewcommand{\c@ll@chapseci}{%
6534   \setlength\@tempdima{0em}%
6535   \begingroup
6536     \parindent\z@\if@RTL\leftskip\else\rightskip\fi\@pnumwidth
6537     \parfillskip-\@pnumwidth
6538     \leavevmode

```



```

6539 }
6540 \renewenvironment{tocindent}[1]{%
6541   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

7.43 crop-xetex-bidi.def

```

6542 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX en
6543 \renewcommand*\CROP@ulc{%
6544   \if@RTLmain%
6545     \begin{picture}(0,0)
6546       \unitlength\p@\thinlines
6547       \put(-40,0){\circle{10}}
6548       \put(-30,-5){\line(0,1){10}}
6549       \put(-35,0){\line(1,0){30}}
6550       \put(-10,30){\circle{10}}
6551       \put(-5,30){\line(1,0){10}}
6552       \put(0,35){\line(0,-1){30}}
6553     \end{picture}%
6554   \else%
6555     \begin{picture}(0,0)
6556       \unitlength\p@\thinlines
6557       \put(-30,0){\circle{10}}
6558       \put(-30,-5){\line(0,1){10}}
6559       \put(-35,0){\line(1,0){30}}
6560       \put(0,30){\circle{10}}
6561       \put(-5,30){\line(1,0){10}}
6562       \put(0,35){\line(0,-1){30}}
6563     \end{picture}%
6564   \fi%
6565 }
6566 \renewcommand*\CROP@urc{%
6567   \if@RTLmain%
6568     \begin{picture}(0,0)
6569       \unitlength\p@\thinlines
6570       \put(20,0){\circle{10}}
6571       \put(30,-5){\line(0,1){10}}
6572       \put(35,0){\line(-1,0){30}}
6573       \put(-10,30){\circle{10}}
6574       \put(-5,30){\line(1,0){10}}
6575       \put(0,35){\line(0,-1){30}}
6576     \end{picture}%
6577   \else%
6578     \begin{picture}(0,0)
6579       \unitlength\p@\thinlines
6580       \put(30,0){\circle{10}}
6581       \put(30,-5){\line(0,1){10}}
6582       \put(35,0){\line(-1,0){30}}
6583       \put(0,30){\circle{10}}
6584       \put(-5,30){\line(1,0){10}}
6585       \put(0,35){\line(0,-1){30}}

```



```

6586 \end{picture}%
6587 \fi%
6588 }
6589 \renewcommand*\CROP@llc{%
6590 \if@RTLmain%
6591 \begin{picture}(0,0)
6592 \unitlength\p@\thinlines
6593 \put(-40,0){\circle{10}}
6594 \put(-30,-5){\line(0,1){10}}
6595 \put(-35,0){\line(1,0){30}}
6596 \put(-10,-30){\circle{10}}
6597 \put(-5,-30){\line(1,0){10}}
6598 \put(0,-35){\line(0,1){30}}
6599 \end{picture}%
6600 \else%
6601 \begin{picture}(0,0)
6602 \unitlength\p@\thinlines
6603 \put(-30,0){\circle{10}}
6604 \put(-30,-5){\line(0,1){10}}
6605 \put(-35,0){\line(1,0){30}}
6606 \put(0,-30){\circle{10}}
6607 \put(-5,-30){\line(1,0){10}}
6608 \put(0,-35){\line(0,1){30}}
6609 \end{picture}%
6610 \fi%
6611 }
6612 \renewcommand*\CROP@llrc{%
6613 \if@RTLmain%
6614 \begin{picture}(0,0)
6615 \unitlength\p@\thinlines
6616 \put(20,0){\circle{10}}
6617 \put(30,-5){\line(0,1){10}}
6618 \put(35,0){\line(-1,0){30}}
6619 \put(-10,-30){\circle{10}}
6620 \put(-5,-30){\line(1,0){10}}
6621 \put(0,-35){\line(0,1){30}}
6622 \end{picture}%
6623 \else%
6624 \begin{picture}(0,0)
6625 \unitlength\p@\thinlines
6626 \put(30,0){\circle{10}}
6627 \put(30,-5){\line(0,1){10}}
6628 \put(35,0){\line(-1,0){30}}
6629 \put(0,-30){\circle{10}}
6630 \put(-5,-30){\line(1,0){10}}
6631 \put(0,-35){\line(0,1){30}}
6632 \end{picture}%
6633 \fi%
6634 }
6635 \@ifpackagewith{crop}{cam}{%

```



```

6636 \CROP@execopt{cam}%
6637 }{}

```

7.44 cutwin-xetex-bidi.def

```

6638 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6639 \renewcommand*{\c@twcompctr}[2]{%
6640   \def\c@twfirst{1}
6641   \loop\advance\c@twwinlines\m@ne
6642   \setbox\c@twslicea=\vsplit#1 to\baselineskip
6643   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6644   \c@twprune{\c@twslicea}{\c@twlftside}%
6645   \c@twprune{\c@twsliceb}{\c@twrtside}%
6646   \ifnum\c@twfirst=\@ne
6647     \setbox#2=\vbox{\unvbox#2\hbox
6648       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6649     \else
6650       \setbox#2=\vbox{\unvbox#2\hbox
6651         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6652     \fi
6653   \def\c@twfirst{2}
6654   \ifnum\c@twwinlines>\z@\repeat}
6655 \renewcommand*{\c@twcompoddctr}[2]{%
6656   \def\c@twrounds{1}
6657   \def\c@twfirst{1}
6658   \@for\c@twlspec:=\c@twb\do{%
6659     \ifnum\c@twrounds=1
6660       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6661       \c@twprune{\c@twslicea}{\c@twlspec}%
6662       \def\c@twrounds{2}
6663     \else
6664       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6665       \c@twprune{\c@twsliceb}{\c@twlspec}%
6666       \ifnum\c@twfirst=1
6667         \setbox#2=\vbox{\unvbox#2\hbox
6668           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\
6669         \def\c@twfirst{2}
6670       \else
6671         \setbox#2=\vbox{\unvbox#2\hbox
6672           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
6673       \fi
6674       \def\c@twrounds{1}
6675     \fi}}

```

7.45 cuted-xetex-bidi.def

```

6676 \ProvidesFile{cuted-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for cuted package for XeTeX
6677
6678 \def\RTL@outputdblcol{%
6679   \if@firstcolumn
6680     \global\@firstcolumnfalse

```



```

6681 \global\setbox\@leftcolumn\copy\@outputbox
6682 \splitmaxdepth\maxdimen
6683 \vbadness\maxdimen
6684 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6685 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6686 \toks@\expandafter{\topmark}%
6687 \xdef\@firstcoltopmark{\the\toks@}%
6688 \toks@\expandafter{\splitfirstmark}%
6689 \xdef\@firstcolfirstmark{\the\toks@}%
6690 \ifx\@firstcolfirstmark\@empty
6691 \global\let\@setmarks\relax
6692 \else
6693 \gdef\@setmarks{%
6694 \let\firstmark\@firstcolfirstmark
6695 \let\topmark\@firstcoltopmark}%
6696 \fi
6697 \else
6698 \global\@firstcolumntrue
6699 \setbox\@outputbox\vbox{%
6700 \hb@xt@\textwidth{%
6701 \hskip \columnwidth
6702 \hfil
6703 {\normalcolor\vrule \@width\columnseprule}%
6704 \hfil
6705 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6706 \hskip -\textwidth
6707 \hb@xt@\columnwidth{\box\@outputbox \hss}%
6708 \hskip \columnsep
6709 \hskip \columnwidth }}%
6710 \ifvoid\hold@viper
6711 \else
6712 \setbox\@outputbox \vbox to\textheight{%
6713 \box\hold@viper
6714 \box\@outputbox
6715 \vss
6716 }%
6717 \fi
6718 \@combinedblfloats
6719 \@setmarks
6720 \@outputpage
6721 \beginingroup
6722 \@dblfloatplacement
6723 \@startdblcolumn
6724 \@whilesw\if@colmade \fi{\@outputpage
6725 \@startdblcolumn}%
6726 \ifvoid\@viper
6727 \else
6728 \global\setbox\@viper\vbox{%
6729 \vskip-\stripsep
6730 \unvbox\@viper

```



```

6731         }%
6732         \@viperoutput
6733     \fi
6734 \endgroup
6735 \fi}%
6736
6737 \def\LTR@outputdblcol{%
6738 \if@firstcolumn
6739     \global\@firstcolumnfalse
6740     \global\setbox\@leftcolumn\copy\@outputbox
6741     \splitmaxdepth\maxdimen
6742     \vbadness\maxdimen
6743     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6744     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6745     \toks@{\expandafter{\topmark}}%
6746     \xdef\@firstcoltopmark{\the\toks@}%
6747     \toks@{\expandafter{\splitfirstmark}}%
6748     \xdef\@firstcolfirstmark{\the\toks@}%
6749     \ifx\@firstcolfirstmark\@empty
6750         \global\let\@setmarks\relax
6751     \else
6752         \gdef\@setmarks{%
6753             \let\firstmark\@firstcolfirstmark
6754             \let\topmark\@firstcoltopmark}%
6755     \fi
6756 \else
6757     \global\@firstcolumntrue
6758     \setbox\@outputbox\vbox{%
6759         \hb@xt@\textwidth{%
6760             \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6761             \hfil
6762             {\normalcolor\vrule \@width\columnseprule}%
6763             \hfil
6764             \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6765     \ifvoid\hold@viper
6766     \else
6767         \setbox\@outputbox \vbox to\textheight{%
6768             \box\hold@viper
6769             \box\@outputbox
6770             \vss
6771         }%
6772     \fi
6773 \@combinedblfloats
6774 \setmarks
6775 \@outputpage
6776 \begingroup
6777     \dblfloatplacement
6778     \@startdblcolumn
6779     \@whiles\if@fcolmade \fi{\@outputpage
6780         \@startdblcolumn}%

```



```

6781 \ifvoid\@viper
6782 \else
6783 \global\setbox\@viper\vbox{%
6784 \vskip-\stripsep
6785 \unvbox\@viper
6786 }%
6787 \@viperoutput
6788 \fi
6789 \endgroup
6790 \fi}%
6791
6792
6793 \def \@addviper {%
6794 \if@firstcolumn
6795 \@insertfalse
6796 \@reqcolroom .5\@pageht
6797 \ht\@viper\@reqcolroom
6798 \advance \@reqcolroom \ht\@viper
6799 \advance \@reqcolroom \stripsep
6800 \ifvoid\hold\@viper\@tempdima=z\@else\@tempdima\ht\hold\@viper\fi
6801 %%
6802 \@tempdima \ht\@viper
6803 \loop
6804 \setbox\v@aaa\copy\@holdpg
6805 \setbox\v@ccc\vbox to\@tempdima{%
6806 \vsplit\v@aaa to\@tempdima\vss\vsplit\v@aaa to\@tempdima}%
6807 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdima}%
6808 \ifvoid\v@aaa \else \advance\@tempdima 1pt \repeat
6809 \loop
6810 \setbox\v@aaa\copy\@holdpg
6811 \setbox\v@ccc\vbox to\@tempdima{%
6812 \vsplit\v@aaa to\@tempdima\vss}%
6813 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdima}%
6814 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdima \the\ht\v@aaa \repeat
6815 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdima}%
6816 \setbox\v@ccc\vbox to\@tempdima{%
6817 \vsplit\@holdpg to\@tempdima\vss}%
6818 %%
6819 \setbox\@tempboxa \vbox {%
6820 \hb@xt@\textwidth {%
6821 \if@RTLmain%
6822 \hskip \columnwidth
6823 \hfil \vrule width\columnseprule \hfil
6824 \hb@xt@\columnwidth {%
6825 \vbox to\ht\@viper{\box\v@ccc\vss} \hss}%
6826 \hskip -\textwidth
6827 \hb@xt@\columnwidth {%
6828 \vbox to\ht\@viper{\box\@holdpg\vss} \hss}%
6829 \hskip \columnsep
6830 \hskip \columnwidth

```



```

6831         \else%
6832         \hb@xt@\columnwidth {%
6833             \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6834             \hfil
6835             \vrule \@width\columnseprule
6836             \hfil
6837             \hb@xt@\columnwidth {%
6838             \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6839             \fi}%
6840         }%
6841 \ifvoid\hold@viper
6842     \global\setbox\hold@viper \vbox {%
6843         \unvbox\@tempboxa
6844         \penalty\interlinepenalty
6845         \vskip\stripsep
6846         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6847         \outputpenalty \z@
6848         }%
6849 \else
6850     \global\setbox\hold@viper \vbox {%
6851         \unvbox\hold@viper
6852         \unvbox\@tempboxa
6853         \penalty\interlinepenalty
6854         \vskip\stripsep
6855         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6856         \outputpenalty \z@
6857         }%
6858 \fi
6859 \ifdim \@colroom>\@reqcolroom
6860     \global\setbox\hold@viper \vbox {%
6861         \unvbox\hold@viper
6862         \box\@viper
6863         \penalty\interlinepenalty
6864         \vskip\stripsep
6865         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6866         \outputpenalty \z@
6867         }%
6868     \@inserttrue
6869     \advance\@tempdima by-\ht\hold@viper
6870     \global \advance \@colht \@tempdima
6871     \ifdim \@colht<2.5\baselineskip
6872     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6873         too tall on page \thepage (1 stulpelis)}%
6874         \@emptycol
6875         \if@firstcolumn
6876         \else
6877             \@emptycol
6878         \fi
6879     \global\@lastvipertrue
6880 \else

```




```

6881      \global \vsize \@colht
6882      \global \@colroom \@colht
6883      \check@floats
6884      \ifdim\@tempdima>\z@
6885          \global\advance\@colroom by-\@tempdima
6886      \fi
6887      \ifdim\@colroom<\z@
6888          \global\@colroom 1pt
6889          \ifdim\@tempdima>\@colht
6890              \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6891                  netelpa lape \thepage (1 stulpelis)}}%
6892          \fi
6893          \@emptycol
6894          \if@firstcolumn
6895              \else
6896                  \@emptycol
6897              \fi
6898          \global\@lastvipertrue
6899      \fi
6900  \fi
6901  \fi
6902  \else
6903      \@insertfalse
6904      \@reqcolroom\@colht
6905      \advance\@reqcolroom \@pageht
6906      \ht@viper.5\@reqcolroom
6907      \@reqcolroom\ht@viper
6908      \advance \@reqcolroom \ht\@viper
6909      \advance \@reqcolroom \stripsep
6910      \if@flushend@auto@baselineskip
6911          \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6912              \global\lastskip@d\lastskip
6913              \global\lastskip@b\lastskip
6914          \loop
6915              \global\lastskip@a\lastskip@b
6916              \unskip\unpenalty
6917              \global\lastskip@b\lastskip
6918              \global\advance\lastskip@d by\lastskip
6919              \ifdim\lastskip@b=-\lastskip@a
6920                  \global\advance\lastskip@d by-\lastskip
6921              \else
6922                  \repeat
6923              \ifdim\lastskip@b=-\lastskip@a
6924                  \ifdim\lastskip@b=\z@
6925                      \setbox\lastbox@a\lastbox
6926                      \global\advance\lastskip@d by\ht\lastbox@a
6927                      \global\advance\lastskip@d by\lastskip
6928                      \unskip\unpenalty
6929                      \setbox\lastbox@a\lastbox
6930                      \global\advance\lastskip@d by\dp\lastbox@a

```



```

6931         \else
6932             \global\lastskip@d\lastskip
6933             \global\advance\lastskip@d by\topskip
6934         \fi
6935     \fi
6936     \global\advance\lastskip@d by-\topskip
6937 }%
6938 \ifdim\ht\@holdpg>\@colht
6939 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6940 \par\eject
6941 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6942 }%
6943 \else
6944 \global\setbox\@holdpg\vbox{%
6945 \unvbox\@leftcolumn\unskip\unpenalty
6946 \vskip\lastskip@d
6947 \the\At@ViperColsBreak
6948 \unvbox\@holdpg
6949 \unskip
6950 }%
6951 \fi
6952 \else
6953 \global\setbox\@holdpg\vbox{%
6954 \unvbox\@leftcolumn
6955 \setbox\@tempboxa\lastbox
6956 \on@stripcols@break
6957 \the\At@ViperColsBreak
6958 \unvbox\@holdpg
6959 }%
6960 \fi
6961 \global\At@ViperColsBreak{}%
6962 \ht@viper .5\ht\@holdpg
6963 \ifdim \ht@viper>\@colht
6964 \ht@viper \@colht
6965 \fi
6966 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6967 %%
6968 \@tempdimb \ht@viper
6969 \loop
6970 \setbox\v@aaa\copy\@holdpg
6971 \setbox\v@ccc\vbox to\@tempdimb{%
6972 \vsplit\v@aaa to\@tempdimb
6973 \vss
6974 \vsplit\v@aaa to\@tempdimb
6975 }%
6976 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6977 \ifvoid\v@aaa
6978 \else
6979 \advance\@tempdimb 1\p@
6980 \repeat

```



```

6981 \loop
6982 \setbox\v@aaa\copy\@holdpg
6983 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6984 \wlog{(2)Left:\the\ht\v@ccc\space
6985 Right:\the\ht\v@aaa\space
6986 Output:\the\@tempdimb
6987 }%
6988 \ifdim\ht\v@ccc<\ht\v@aaa
6989 \@tempdimb \the\ht\v@aaa
6990 \repeat
6991 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6992 ^^JRight:\the\ht\v@aaa
6993 ^^JOutput:\the\@tempdimb
6994 }%
6995 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6996 \setbox\@tempboxa\vbox{%
6997 \hb@xt@\textwidth {%
6998 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6999 \hfil
7000 \vrule \@width\columnseprule
7001 \hfil
7002 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7003 }%
7004 }%
7005 \ifvoid\hold@viper
7006 \global\setbox\hold@viper \vbox {%
7007 \unvbox\@tempboxa
7008 \penalty\interlinepenalty
7009 \vskip\stripsep
7010 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7011 \outputpenalty \z@
7012 }%
7013 \else
7014 \global\setbox\hold@viper \vbox {%
7015 \unvbox\hold@viper
7016 \unvbox\@tempboxa
7017 \penalty\interlinepenalty
7018 \vskip\stripsep
7019 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7020 \outputpenalty \z@
7021 }%
7022 \fi
7023 \ifdim \@colht>\@reqcolroom
7024 \global\setbox\hold@viper \vbox {%
7025 \unvbox\hold@viper
7026 \box\@viper
7027 \penalty\interlinepenalty
7028 \vskip\stripsep
7029 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7030 \outputpenalty \z@

```



```

7031             }%
7032     \@inserttrue
7033     \global\@firstcolumntrue
7034     \advance\@tempdima by-\ht\hold@viper
7035     \global \advance \@colht \@tempdima
7036     \ifdim \@colht<2.5\baselineskip
7037     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7038                             too tall on page \thepage (2 stulpelis)}%
7039         \@emptycol
7040         \if@firstcolumn
7041         \else
7042             \@emptycol
7043         \fi
7044         \global\@lastvipertrue
7045     \else
7046         \global \vsize \@colht
7047         \global \@colroom \@colht
7048         \check@floats
7049         \ifdim\@tempdima>\z@
7050             \global\advance\@colroom by-\@tempdima
7051         \fi
7052         \ifdim\@colroom<\z@
7053             \global\@colroom 1pt
7054             \ifdim\@tempdima>\@colht
7055             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7056                                     netelpla lape \thepage (2 stulpelis)}%
7057         \fi
7058         \@emptycol
7059         \if@firstcolumn
7060         \else
7061             \@emptycol
7062         \fi
7063         \global\@lastvipertrue
7064     \fi
7065 \fi
7066 \fi
7067 \fi
7068 \if@insert
7069 \else
7070     \advance\@tempdima by-\ht\hold@viper
7071     \global \advance \@colht \@tempdima
7072     \global\setbox\hold@viper \vbox {%
7073                                     \unvbox\hold@viper
7074                                     \csname viper@top@hook\endcsname
7075                                     \vsplit\@viper to \@colht
7076                                     \vss
7077                                     }%
7078     \vbox{}%
7079     \global\@firstcolumnfalse
7080     \newpage

```



```

7081 \fi
7082 }

```

7.46 cvthemebidicasual.sty

```

7083 \NeedsTeXFormat{LaTeX2e}
7084 \ProvidesPackage{cvthemebidicasual}
7085 \DeclareOption{blue}{}
7086 \newif\if@colourorange\@colourorangefalse
7087 \DeclareOption{orange}{\@colourorange>true}
7088 \newif\if@colouргreen\@colouргreenfalse
7089 \DeclareOption{green}{\@colouргreen>true}
7090 \newif\if@colourred\@colourredfalse
7091 \DeclareOption{red}{\@colourred>true}
7092 \newif\if@colouргrey\@colouргreyfalse
7093 \DeclareOption{grey}{\@colouргrey>true}
7094 \DeclareOption*{
7095   \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7096 \ExecuteOptions{colour}
7097 \ProcessOptions\relax
7098 \renewcommand*{\listitemsymbol}{\textbullet}
7099 \definecolor{firstnamedcolor}{rgb}{0.65,0.65,0.65}
7100 \familynamedcolor{808080}
7101 \firstnamedcolor{A9A9A9}
7102 \quotedcolor{696969}
7103 \addresscolor{696969}
7104 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7105 \sectiontitlecolor{1E90FF}
7106 \subsectioncolor{4682B4}
7107 \definecolor{rulecolor}{gray}{0.6}
7108 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7109 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7110 \if@colourorange
7111   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7112   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7113   \sectiontitlecolor{FF8C00}
7114   \subsectioncolor{FF8C00}
7115   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}
7116   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7117 \if@colouргreen
7118   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7119   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7120   \sectiontitlecolor{008000}
7121   \subsectioncolor{008000}
7122   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}
7123   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7124 \if@colourred
7125   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7126   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7127   \sectiontitlecolor{FF0000}

```



```

7128 \subsectioncolour{FF0000}
7129 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7130 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7131 \if@colourgrey
7132 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7133 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7134 \sectiontitlecolour{808080}
7135 \subsectioncolour{808080}
7136 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7137 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7138 \renewcommand*{\ttdefault}{pcr}
7139 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7140 \renewcommand*{\familynamefont}{\firstnamefont}
7141 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7142 \renewcommand*{\quote font}{\large\slshape}
7143 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7144 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7145 \renewcommand*{\maketitle}{%
7146   {%
7147     \ifthenelse{\isundefined{\@photo}}{%
7148       {}%
7149       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7150       \hfill%
7151       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7152       {\color{firstnamecolor}\rule{\textwidth}{.25ex}}\[-2.5em]}%
7153     \ifthenelse{\isundefined{\@quote}}{%
7154       {}%
7155       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[-2.
7156     ]}%
7157 \newif\if@firstfooterelement\@firstfooterelementtrue
7158 \providecommand*{\footersymbol}{%
7159 \renewcommand*{\footersymbol}{%
7160   \if@firstfooterelement%
7161   \else%
7162     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7163 \providecommand*{\makefooter}{%
7164 \renewcommand*{\makefooter}{%
7165   \fancypagestyle{plain}{%
7166     \fancyfoot[c]{%
7167       \parbox{0.8\textwidth}{%
7168         \centering%
7169         \addressfont\@addresscolour%
7170         \ifthenelse{\isundefined{\@address}}{~}{%
7171           \addresssymbol~\@address\\%
7172           \@firstfooterelementfalse}%
7173         \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7174         \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7175         \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7176         \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\@email\@firstfooterelementfalse}%
7177         \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfalse}%

```



```

7178 }%
7179 \pagestyle{plain}}
7180 \AtBeginDocument{\makefooter}

```

7.47 cvthemebidiclassic.sty

```

7181 \NeedsTeXFormat{LaTeX2e}
7182 \ProvidesPackage{cvthemebidiclassic}
7183 \DeclareOption{blue}{}
7184 \newif\if@colourorange\@colourorangefalse
7185 \DeclareOption{orange}{\@colourorange>true}
7186 \newif\if@colourgreen\@colourgreenfalse
7187 \DeclareOption{green}{\@colourgreentrue}
7188 \newif\if@colourred\@colourredfalse
7189 \DeclareOption{red}{\@colourred>true}
7190 \newif\if@colourgrey\@colourgreyfalse
7191 \DeclareOption{grey}{\@colourgrey>true}
7192 \DeclareOption*{
7193   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7194 \ExecuteOptions{colour}
7195 \ProcessOptions\relax
7196 \renewcommand*{\listitemsymbol}{\textbullet}
7197 \firstnamecolour{}
7198 \familynamecolour{}
7199 \titlecolour{808080}
7200 \quotecolour{696969}
7201 \addresscolour{696969}
7202 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7203 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7204 \sectiontitlecolour{1E90FF}
7205 \subsectioncolour{4682B4}
7206 \if@colourorange
7207   \addresscolour{FF8C00}
7208   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7209   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7210   \sectiontitlecolour{FF8C00}
7211   \subsectioncolour{FF8C00}\fi
7212 \if@colourgreen
7213   \addresscolour{008000}
7214   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7215   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7216   \sectiontitlecolour{008000}
7217   \subsectioncolour{008000}\fi
7218 \if@colourred
7219   \addresscolour{FF0000}
7220   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7221   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7222   \sectiontitlecolour{FF0000}
7223   \subsectioncolour{FF0000}\fi
7224 \if@colourgrey

```



```

7225 \addresscolour{808080}
7226 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7227 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7228 \sectiontitlecolour{808080}
7229 \subsectioncolour{808080}\fi
7230 \renewcommand*{\ttdefault}{pcr}
7231 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7232 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7233 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7234 \renewcommand*{\familynamefont}{\firstnamefont}
7235 \renewcommand*{\quotefont}{\large\slshape}
7236 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7237 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7238 \newlength{\maketitlenamemaxwidth}
7239 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7240 \newlength{\maketitlenamewidth}
7241 \settowidth{\maketitlenamewidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7242 \newlength{\maketitlepicturewidth}
7243 \ifnum\maketitlenamemaxwidth<\maketitlenamewidth\setlength{\maketitlepicturewidth}{\maketitlenamewidth}
7244 \setlength{\maketitlepicturewidth}{\@photowidth}
7245 \newlength{\maketitledetailswidth}
7246 \renewcommand*{\recomputethemelengths}{%
7247 \setlength{\maketitledetailswidth}{\textwidth}%
7248 \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7249 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7250 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7251 \recomputethemelengths}
7252 \newif\if@firstdetailselement\@firstdetailselementtrue
7253 \newcommand*{\maketitledetailsnewline}{%
7254 \if@firstdetailselement%
7255 \@firstdetailselementfalse%
7256 \else%
7257 \[.2em]\fi}
7258 \renewcommand*{\maketitle}{%
7259 % name and title
7260 \begin{minipage}[b]{\maketitlenamewidth}%
7261 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7262 \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
7263 \end{minipage}%
7264 % optional data
7265 \begin{minipage}[b]{\maketitledetailswidth}%
7266 \bidi@raggedleft\addressfont\addresscolour%
7267 \ifthenelse{\isundefined{\@address}}{\[1.25em]\titlestyle{\@title}}{}%
7268 \maketitledetailsnewline%
7269 \addresssymbol~\@address}%
7270 \ifthenelse{\isundefined{\@mobile}}{\[1.25em]\titlestyle{\@title}}{}%
7271 \ifthenelse{\isundefined{\@phone}}{\[1.25em]\titlestyle{\@title}}{}%
7272 \ifthenelse{\isundefined{\@fax}}{\[1.25em]\titlestyle{\@title}}{}%
7273 \ifthenelse{\isundefined{\@email}}{\[1.25em]\titlestyle{\@title}}{}%
7274 \ifthenelse{\isundefined{\@email}}{\[1.25em]\titlestyle{\@title}}{}%

```




```

7275 \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7276 \end{minipage}%
7277 % optional photo
7278 \ifthenelse{\isundefined{\@photo}}%
7279 {}%
7280 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\mak
7281 % optional quote
7282 \ifthenelse{\isundefined{\@quote}}%
7283 {}%
7284 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[2.
7285 }

```

7.48 dblfnote-xetex-bidi.def

```

7286 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for
7287 \let\autofooterule\relax
7288 \let\rightfootnoterule\relax
7289 \let\leftfootnoterule\relax
7290 \let\textwidthfootnoterule\relax
7291 \let\LRfootnoterule\relax
7292 \def\footnoterule{\kern-3\p@
7293 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7294 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7295 \let\@footnotetext\dfn@footnotetext}
7296 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7297 \let\insert\dfn@gobble
7298 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7299 \def\@makefnmark{\smash{\dfn@makefnmark}}
7300 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7301 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7302 \ifdim\dfn@dima>z@ \else
7303 \dfn@dima1sp\relax
7304 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7305 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7306 \ifvoid\dfn@ins\else
7307 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7308 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7309 \setbox\dfn@boxa\copy\dfn@ins
7310 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7311 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7312 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7313 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7314 \xdef\dfn@list{\dfn@list\elt{\number\dfn@dima}{\number\@tempdima}}}}
7315 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7316 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7317 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7318 \let\insert\dfn@gobble
7319 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7320 \def\@makefnmark{\smash{\dfn@makefnmark}}
7321 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%

```



```

7322 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7323 \ifdim\dfn@dima>\z@else
7324 \dfn@dima\sp\relax
7325 \setbox\dfn@boxa\vbox{\vbox to\sp{\unvbox\dfn@boxa\vfil}}\fi
7326 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7327 \ifvoid\dfn@ins\else
7328 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7329 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7330 \setbox\dfn@boxa\copy\dfn@ins
7331 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7332 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7333 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7334 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7335 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7336 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7337 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7338 \def\dfn@RTLmakecol{\ifvoid\footins\else
7339 \dfn@dima\ht\footins
7340 \@tempcnta\z@ \dfn@countins
7341 \@tempdima\z@ \let\@elt\dfn@elt@getht
7342 \dfn@list\@nil
7343 \ifdim\@tempdima=\z@else
7344 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7345 \global\setbox\dfn@ins\box\dfn@ins
7346 \@tempswatrue
7347 \ifdfn@trysingle
7348 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7349 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7350 \advance\@tempdima-\skip\footins
7351 \advance\@tempdima-\ht\dfn@boxa
7352 \ifdim\@tempdima<\z@else \@tempswafalse
7353 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7354 \footnoterule \unvbox\dfn@boxa}\fi\fi
7355 \if@tempswa
7356 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7357 \global\setbox\footins\vbox{\hbox{%
7358 \hskip \DFNcolumnwidth
7359 \hskip\DFNcolumnsep
7360 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7361 \unvbox\dfn@boxb\vss}\hss}
7362 \hskip -\textwidth
7363 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7364 \vbox to\@tempdima{
7365 \setbox\@tempboxa\vbox{\footnoterule}
7366 \ifdfn@ruleboth \unvbox\@tempboxa
7367 \else \@tempdima\ht\@tempboxa
7368 \advance\@tempdima\dp\@tempboxa
7369 \vskip\@tempdima
7370 \prevdepth\dp\@tempboxa \fi
7371 \unvbox\dfn@boxa\vss}\fi\hss}

```



```

7372             \hskip \DFNcolumnsep
7373             \hskip \DFNcolumnwidth}}\fi\fi
7374 \global\dfn@fnht\z@
7375 \ifx\dfn@list\@empty\else
7376     \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7377     \dfn@list \global\advance\dfn@fnht\dfn@dimb
7378     \let\@elt\relax
7379     \ifdim\dfn@dimb>\z@
7380         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7381         \insert\footins{\floatingpenalty\@MM
7382             \vbox to\dfn@dimb{}}\fi
7383     \ifdim\dfn@fnht>\@tempdima
7384         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7385         \global\dfn@fnht\@tempdima
7386         \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7387         \xdef\dfn@afteroutput{\insert\footins{
7388             \floatingpenalty\@MM
7389             \vbox to\number\@tempdimb sp{}}}%
7390         \global\let\noexpand\dfn@afteroutput\relax}%
7391     \fi\fi
7392 \fi}%
7393 \let\footnoterule\relax \dfn@latex@makecol
7394 \let\footnoterule\dfn@footnoterule}
7395 \def\dfn@LTRmakecol{\ifvoid\footins\else
7396     \dfn@dima\ht\footins
7397     \@tempcnta\z@ \dfn@countins
7398     \@tempdima\z@ \let\@elt\dfn@elt@getht
7399     \dfn@list\@nil
7400     \ifdim\@tempdima=\z@\else
7401     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7402     \global\setbox\dfn@ins\box\dfn@ins
7403     \@tempwattrue
7404     \ifdfn@trysingle
7405         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7406         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7407         \advance\@tempdima-\skip\footins
7408         \advance\@tempdima-\ht\dfn@boxa
7409         \ifdim\@tempdima<\z@\else \@tempswafalse
7410             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7411                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7412     \if@tempswa
7413     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7414     \global\setbox\footins\vbox{\hbox{%
7415         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7416             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7417         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7418             \vbox to\@tempdima{
7419                 \setbox\@tempboxa\vbox{\footnoterule}
7420                 \ifdfn@ruleboth \unvbox\@tempboxa
7421                 \else \@tempdima\ht\@tempboxa

```



```

7422 \advance\@tempdima\dp\@tempboxa
7423 \vskip\@tempdima
7424 \prevdepth\dp\@tempboxa \fi
7425 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7426 \global\dfn@fnht\z@
7427 \ifx\dfn@list\@empty\else
7428 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7429 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7430 \let\@elt\relax
7431 \ifdim\dfn@dimb>\z@
7432 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7433 \insert\footins{\floatingpenalty\@MM
7434 \vbox to\dfn@dimb{}}}\fi
7435 \ifdim\dfn@fnht>\@tempdima
7436 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7437 \global\dfn@fnht\@tempdima
7438 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%
7439 \xdef\dfn@afteroutput{\insert\footins{
7440 \floatingpenalty\@MM
7441 \vbox to\number\@tempdimb sp{}}}%
7442 \global\let\noexpand\dfn@afteroutput\relax}%
7443 \fi\fi
7444 \fi}%
7445 \let\footnoterule\relax \dfn@latex@makecol
7446 \let\footnoterule\dfn@footnoterule}
7447 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7448 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7449 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7450 \DFNalwaysdouble

```

7.49 draftwatermark-xetex-bidi.def

```

7451 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7452 \renewcommand\SetWatermarkText[1]{%
7453 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.50 eso-pic-xetex-bidi.def

```

7454 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7455 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7456 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7457
7458 \ESO@isMEMOIR{%
7459 \renewcommand\AtTextUpperLeft[1]{%
7460 \begingroup
7461 \ifodd\c@page
7462 \@tempdima=\spinemargin
7463 \else
7464 \@tempdima=\paperwidth
7465 \advance\@tempdima-\textwidth
7466 \advance\@tempdima-\spinemargin

```



```

7467 \fi
7468 \@tempdimb=-\uppermargin
7469 \AtPageUpperLeft{%
7470 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7471 }%
7472 \endgroup
7473 }
7474 }{%
7475 \renewcommand\AtTextUpperLeft[1]{%
7476 \begingroup
7477 \@tempdima=1in\relax
7478 \ifodd\c@page
7479 \advance\@tempdima\oddsidemargin
7480 \else
7481 \advance\@tempdima\evensidemargin
7482 \fi
7483 \@tempdimb=-1in\relax
7484 \advance\@tempdimb-\topmargin
7485 \advance\@tempdimb-\headheight
7486 \advance\@tempdimb-\headsep
7487 \AtPageUpperLeft{%
7488 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7489 }%
7490 \endgroup
7491 }
7492 }

```

7.51 empheq-xetex-bidi.def

```

7493 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7494 \MHInternalSyntaxOn
7495 \def\EQ_tag_plus_endmark:{%
7496 \iftagsleft@
7497 \gdef\maketag@@@#1{%
7498 \hfuzz\displaywidth
7499 \if@RTL\makebox[\widthof{#1}][r]{%
7500 \hbox to \displaywidth{\m@th\normalfont##1\hss
7501 \raisebox{-\dp\EQ_mathdisplay_box
7502 -\depthof{\EQ_outerbox:}}{
7503 {\PotEndMark{\hss}}}}
7504 \else\makebox[\widthof{#1}][l]{%
7505 \hbox to \displaywidth{\m@th\normalfont##1\hss
7506 \raisebox{-\dp\EQ_mathdisplay_box
7507 -\depthof{\EQ_outerbox:}}{
7508 {\PotEndMark{\hss}}}}\fi}%
7509 \else:
7510 \gdef\maketag@@@#1{%
7511 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
7512 \settoheight{\@tempdima}{\@nameuse{InTheoType Symbol}}}%
7513 \MH_addtolength:dn \@tempdima

```



```

7514         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7515     \setlength{\@tempdimb}
7516         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:{}}}
7517         +\depthof{\EQ_innerbox:{}}}
7518     \if_dim:w \@tempdima>\@tempdimb
7519         \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7520         -\@tempdima+\g_EQ_bottomrow_depth_dim}
7521         \addtolength{\@tempdima}{\depthof{\EQ_innerbox:{}}}%
7522         \def\EQ_next:{\raisebox{\@tempdima}}%
7523     \else:
7524         \def\EQ_next:{
7525             \raisebox{-\dp\EQ_mathdisplay_box
7526             -\depthof{\EQ_outerbox:{}}}%
7527         \fi:\EQ_next:}}}%
7528 \fi:}
7529 \def\EQ_post_process:{%
7530 \EQ_initialize:
7531 \EQ_begin_equation:
7532 \MH_if_boolean:nT {outer_mult}{
7533     \setkeys{\MT_options_name:}{
7534         firstline-afterskip=0pt,
7535         lastline-preskip=0pt,
7536         multlined-width=0pt,
7537     }
7538     \ifodd \l_EQ_alignmentmode_int
7539         \setkeys{\MT_options_name:}{multlined-pos=b}
7540     \else:
7541         \setkeys{\MT_options_name:}{multlined-pos=t}
7542     \fi:
7543     \g@addto@macro\EQ_complete_mathdisplay:{
7544         \begin{MTmultlined}\relax}
7545 }
7546 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7547 \MH_if_boolean:nT {outer_mult}{
7548     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7549 }
7550 \EQ_end_equation:
7551 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7552 \savecounters@
7553 \EQ_typeset_tags:
7554 \edef\l_EQ_equation_fint{\number\c@equation}
7555 \restorecounters@
7556 \Hy@linkcounter=\EQ_hyperref_link_fint
7557 \settowidth\l_EQ_totalwidth_dim{%
7558     $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7559 \MH_if_boolean:nTF {outer_mult}
7560 { \def\EQ_next:{_mult} }
7561 { \def\EQ_next:{} }
7562 \@nameuse{EQ_modify_linewidth_
7563     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%

```



```

7564 \EQ_typeset_display:
7565 \@nameuse{find_displaywidth_
7566 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7567 \MH_addtolength:dn
7568 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7569 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7570 $EQ_left_side:
7571 \EQ_innerbox:{%
7572 \if_case:w \l_EQ_alignmentmode_int\or:
7573 \makebox[\l_EQ_displaywidth_dim][c]
7574 {\usebox{\EQ_mathdisplay_box}}%
7575 \or:
7576 \makebox[\l_EQ_displaywidth_dim][c]
7577 {\usebox{\EQ_mathdisplay_box}}%
7578 \or:
7579 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7580 \if_num:w \l_EQ_equationtype_int=5 \else:
7581 \if_num:w \l_EQ_equationtype_int=6 \else:
7582 \kern-\@mathmargin
7583 \fi:
7584 \fi:
7585 \usebox{\EQ_mathdisplay_box}}%
7586 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7587 \if_num:w \l_EQ_equationtype_int=5 \else:
7588 \if_num:w \l_EQ_equationtype_int=6 \else:
7589 \kern-\@mathmargin
7590 \fi:
7591 \fi:
7592 \usebox{\EQ_mathdisplay_box}}\fi%
7593 \or:
7594 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7595 \if_num:w \l_EQ_equationtype_int=5 \else:
7596 \if_num:w \l_EQ_equationtype_int=6 \else:
7597 \kern-\@mathmargin
7598 \fi:
7599 \fi:
7600 \usebox{\EQ_mathdisplay_box}}
7601 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7602 \if_num:w \l_EQ_equationtype_int=5 \else:
7603 \if_num:w \l_EQ_equationtype_int=6 \else:
7604 \kern-\@mathmargin
7605 \fi:
7606 \fi:
7607 \usebox{\EQ_mathdisplay_box}}\fi%
7608 \fi:}%
7609 \EQ_right_side:$}%
7610 \begin{AmSequation*}
7611 \@nameuse{EQ_place_display_
7612 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7613 \if_dim:w \g_EQ_widesttag_dim>\z@

```



```

7614 \MH_set_boolean_T:n {show_manual_tags}
7615 \if_case:w \l_EQ_alignmentmode_int
7616 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi % #1
7617 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi % #2
7618 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi % #3
7619 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi % #4
7620 \fi:
7621 \fi:
7622 \end{AmSequation*}
7623 \global\c@equation=\l_EQ_equation_fint\relax
7624 }
7625 \AtBeginDocument{%
7626 \@ifpackageloaded{fancybox}{%
7627 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7628 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7629 \renewcommand*\shadowbox{%
7630 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7631 \VerbBox\EQ_shadowbox:n}
7632 {\MH_set_boolean_F:n {shadowbox_star}
7633 \VerbBox\EQ_shadowbox:n}}
7634 \def\EQ_shadowbox:n #1{%
7635 \sbox{z@}{\fbox{#1}}%
7636 \MH_if_boolean:nTF {shadowbox_star}{
7637 \MH_setlength:dn \@tempdima{z@}%
7638 }{
7639 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
7640 }
7641 \raisebox{\@tempdima}{%
7642 \if@RTL\makebox[z@][r]{%
7643 \kern\shadowsize \textcolor{shadowcolor}{%
7644 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7645 }%
7646 \else\makebox[z@][l]{%
7647 \kern\shadowsize \textcolor{shadowcolor}{%
7648 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}%
7649 }\fi%
7650 \usebox z@\textcolor{shadowcolor}{%
7651 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
7652 }{}%
7653 }
7654 \MHInternalSyntaxOff

```

7.52 extarticle-xetex-bidi.def

```

7655 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class f
7656 \renewcommand*\l@section[2]{%
7657 \ifnum \c@tocdepth > z@
7658 \addpenalty\secpenalty
7659 \addvspace{1.0em \plus\p@}%
7660 \setlength\@tempdima{1.5em}%

```




```

7661 \begingroup
7662 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7663 \parfillskip -\@pnumwidth
7664 \leavevmode \bfseries
7665 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7666 \hskip -\if@RTL\rightskip\else\leftskip\fi
7667 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7668 \endgroup
7669 \fi}
7670 \renewcommand*\l@part[2]{%
7671 \ifnum \c@tocdepth >-2\relax
7672 \addpenalty\@secpenalty
7673 \addvspace{2.25em \@plus\p@}%
7674 \begingroup
7675 \setlength\@tempdima{3em}%
7676 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7677 \parfillskip -\@pnumwidth
7678 {\leavevmode
7679 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7680 \nobreak
7681 \endgroup
7682 \fi}
7683 \def\@part[#1]#2{%
7684 \ifnum \c@secnumdepth >\m@ne
7685 \refstepcounter{part}%
7686 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7687 \else
7688 \addcontentsline{toc}{part}{#1}%
7689 \fi
7690 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7691 \interlinepenalty \@M
7692 \normalfont
7693 \ifnum \c@secnumdepth >\m@ne
7694 \Large\bfseries \partname~\thepart
7695 \par\nobreak
7696 \fi
7697 \huge \bfseries #2%
7698 \markboth{}{}\par}%
7699 \nobreak
7700 \vskip 3ex
7701 \@afterheading}
7702 \def\@spart#1{%
7703 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7704 \interlinepenalty \@M
7705 \normalfont
7706 \huge \bfseries #1\par}%
7707 \nobreak
7708 \vskip 3ex
7709 \@afterheading}
7710 \renewenvironment{thebibliography}[1]

```



```

7711 { \section*{ \refname
7712   \mkboth{ \MakeUppercase \refname }{ \MakeUppercase \refname } } %
7713   \ifRTL \ifLTRbibitems \RTLfalse \else \fi \else \ifRTLbibitems \RTLtrue \else \fi \fi
7714   \list{ \@biblabel{ \@arabic \c@enumiv } } %
7715     { \settowidth \labelwidth{ \@biblabel{ #1 } } %
7716       \leftmargin \labelwidth
7717       \advance \leftmargin \labelsep
7718       \openbib@code
7719       \usecounter{enumiv} %
7720       \let \p@enumiv \empty
7721       \renewcommand \theenumiv{ \@arabic \c@enumiv } } %
7722   \sloppy \clubpenalty4000 \widowpenalty4000 %
7723   \sfcode ` \ . \m
7724   { \def \noitemerr
7725     { \latex@warning{ Empty `thebibliography' environment } } %
7726     \endlist }
7727 \renewcommand \left@footnoterule{ %
7728   \kern-3 \p@
7729   \hrule \@width .4 \columnwidth
7730   \kern2.6 \p@ }
7731 \renewcommand \right@footnoterule{ %
7732   \kern-3 \p@
7733   \hbox to \columnwidth{ \hskip .6 \columnwidth \hrulefill }
7734   \kern2.6 \p@ }
7735   \if@titlepage
7736   \renewcommand \maketitle{ \begin{titlepage} %
7737     \let \footnotesize \small
7738     \let \right@footnoterule \relax
7739     \let \left@footnoterule \relax
7740     \let \textwidth \footnoterule \relax
7741     \let \footnote \thanks
7742     \null \vfil
7743     \vskip 60 \p@
7744     \begin{center} %
7745       { \LARGE \@title \par } %
7746       \vskip 3em %
7747       { \large
7748         \lineskip .75em %
7749         \begin{tabular} [t] {c} %
7750           \@author
7751           \end{tabular} \par } %
7752       \vskip 1.5em %
7753       { \large \@date \par } %           % Set date in \large size.
7754     \end{center} \par
7755     \@thanks
7756     \vfil \null
7757   \end{titlepage} %
7758   \setcounter{footnote}{0} %
7759   \global \let \thanks \relax
7760   \global \let \maketitle \relax

```



```

7761 \global\let\@thanks\@empty
7762 \global\let\@author\@empty
7763 \global\let\@date\@empty
7764 \global\let\@title\@empty
7765 \global\let\title\relax
7766 \global\let\author\relax
7767 \global\let\date\relax
7768 \global\let\and\relax
7769 }
7770 \else
7771 \renewcommand\maketitle{\par
7772 \begingroup
7773 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7774 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7775 \long\def\@makefntext##1{\parindent 1em\noindent
7776 \hspace{1.8em}%
7777 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7778 \if@twocolumn
7779 \ifnum \col@number=\@ne
7780 \maketitle
7781 \else
7782 \twocolumn[\maketitle]%
7783 \fi
7784 \else
7785 \newpage
7786 \global\@topnum\z@ % Prevents figures from going at top of page.
7787 \maketitle
7788 \fi
7789 \thispagestyle{plain}\@thanks
7790 \endgroup
7791 \setcounter{footnote}{0}%
7792 \global\let\thanks\relax
7793 \global\let\maketitle\relax
7794 \global\let\@maketitle\relax
7795 \global\let\@thanks\@empty
7796 \global\let\@author\@empty
7797 \global\let\@date\@empty
7798 \global\let\@title\@empty
7799 \global\let\title\relax
7800 \global\let\author\relax
7801 \global\let\date\relax
7802 \global\let\and\relax
7803 }
7804 \def\@maketitle{%
7805 \newpage
7806 \null
7807 \vskip 2em%
7808 \begin{center}%
7809 \let \footnote \thanks
7810 {\LARGE \@title \par}%

```



```

7811 \vskip 1.5em%
7812 {\large
7813 \lineskip .5em%
7814 \begin{tabular}[t]{c}%
7815 \@author
7816 \end{tabular}\par}%
7817 \vskip 1em%
7818 {\large \@date}%
7819 \end{center}%
7820 \par
7821 \vskip 1.5em}
7822 \fi
7823 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7824 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7825 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7826 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.53 extbook-xetex-bidi.def

```

7827 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7828 \if@titlepage
7829 \renewcommand\maketitle{\begin{titlepage}%
7830 \let\footnotesize\small
7831 \let\right@footnoterule\relax
7832 \let\left@footnoterule\relax
7833 \let\textwidth\footnoterule\relax
7834 \let \footnote \thanks
7835 \let \LTRfootnote \LTRthanks
7836 \let \RTLfootnote \RTLthanks
7837 \null\vfil
7838 \vskip 60\p@
7839 \begin{center}%
7840 {\LARGE \@title \par}%
7841 \vskip 3em%
7842 {\large
7843 \lineskip .75em%
7844 \begin{tabular}[t]{c}%
7845 \@author
7846 \end{tabular}\par}%
7847 \vskip 1.5em%
7848 {\large \@date \par}% % Set date in \large size.
7849 \end{center}\par
7850 \@thanks
7851 \vfil\null
7852 \end{titlepage}%
7853 \setcounter{footnote}{0}%
7854 \global\let\thanks\relax
7855 \global\let\LTRthanks\relax
7856 \global\let\RTLthanks\relax
7857 \global\let\maketitle\relax

```



```

7858 \global\let\@thanks\@empty
7859 \global\let\@author\@empty
7860 \global\let\@date\@empty
7861 \global\let\@title\@empty
7862 \global\let\title\relax
7863 \global\let\author\relax
7864 \global\let\date\relax
7865 \global\let\and\relax
7866 }
7867 \else
7868 \renewcommand\maketitle{\par
7869 \begin{group}
7870 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7871 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7872 \long\def\@makefntext##1{\parindent 1em\noindent
7873 \hspace{1.8em}%
7874 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7875 \if@twocolumn
7876 \ifnum \col@number=\@ne
7877 \@maketitle
7878 \else
7879 \twocolumn[\@maketitle]%
7880 \fi
7881 \else
7882 \newpage
7883 \global\@topnum\z@ % Prevents figures from going at top of page.
7884 \@maketitle
7885 \fi
7886 \thispagestyle{plain}\@thanks
7887 \endgroup
7888 \setcounter{footnote}{0}%
7889 \global\let\thanks\relax
7890 \global\let\LTRthanks\relax
7891 \global\let\RTLthanks\relax
7892 \global\let\maketitle\relax
7893 \global\let\@maketitle\relax
7894 \global\let\@thanks\@empty
7895 \global\let\@author\@empty
7896 \global\let\@date\@empty
7897 \global\let\@title\@empty
7898 \global\let\title\relax
7899 \global\let\author\relax
7900 \global\let\date\relax
7901 \global\let\and\relax
7902 }
7903 \def\@maketitle{%
7904 \newpage
7905 \null
7906 \vskip 2em%
7907 \begin{center}%

```



```

7908 \let \footnote \thanks
7909 \let \LTRfootnote \LTRthanks
7910 \let \RTLfootnote \RTLthanks
7911 {\LARGE \@title \par}%
7912 \vskip 1.5em%
7913 {\large
7914 \lineskip .5em%
7915 \begin{tabular}[t]{c}%
7916 \@author
7917 \end{tabular}\par}%
7918 \vskip 1em%
7919 {\large \@date}%
7920 \end{center}%
7921 \par
7922 \vskip 1.5em}
7923 \fi
7924 \renewcommand*\l@part[2]{%
7925 \ifnum \c@tocdepth >-2\relax
7926 \addpenalty{-\@highpenalty}%
7927 \addvspace{2.25em \@plus\p@}%
7928 \begingroup
7929 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
7930 \parfillskip -\@pnumwidth
7931 {\leavevmode
7932 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7933 \nobreak
7934 \global\@nobreaktrue
7935 \everypar{\global\@nobreakfalse\everypar{}}%
7936 \endgroup
7937 \fi}
7938 \renewcommand\theequation
7939 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7940 \renewcommand \thefigure
7941 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7942 \renewcommand \thetable
7943 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7944 \renewcommand \thechapter {\@arabic\c@chapter}
7945 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7946 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7947 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7948 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7949 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7950 \def\@makechapterhead#1{%
7951 \vspace*{50\p@}%
7952 {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi \normalfont
7953 \ifnum \c@secnumdepth >\m@ne
7954 \if@mainmatter
7955 \huge\bfseries \@chapapp\space \thechapter
7956 \par\nobreak
7957 \vskip 20\p@

```



```

7958      \fi
7959      \fi
7960      \interlinepenalty\@M
7961      \Huge \bfseries #1\par\nobreak
7962      \vskip 40\p@
7963  }}
7964
7965  \def\@makeschapterhead#1{%
7966    \vspace*{50\p@}%
7967    {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7968     \normalfont
7969     \interlinepenalty\@M
7970     \Huge \bfseries #1\par\nobreak
7971     \vskip 40\p@
7972  }}
7973  \renewcommand\backmatter{%
7974    \if@openright
7975      \cleardoublepage
7976    \else
7977      \clearpage
7978    \fi
7979    \@mainmatterfalse}
7980  \renewenvironment{thebibliography}[1]
7981    {\chapter*{\bibname
7982      \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7983    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7984      \list{\@biblabel{\@arabic{c@enumiv}}}%
7985        {\settowidth\labelwidth{\@biblabel{#1}}%
7986         \leftmargin\labelwidth
7987         \advance\leftmargin\labelsep
7988         \@openbib@code
7989         \usecounter{enumiv}%
7990         \let\p@enumiv\@empty
7991         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
7992      \sloppy
7993      \clubpenalty4000
7994      \@clubpenalty \clubpenalty
7995      \widowpenalty4000%
7996      \sfcode`.\@m}
7997  {\def\@noitemerr
7998    {\@latex@warning{Empty `thebibliography' environment}}}%
7999  \endlist}

```

7.54 extletter-xetex-bidi.def

```

8000 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
8001 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8002   \thispagestyle{firstpage}%
8003   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8004   \else % home address

```



```

8005 \thispagestyle{empty}%
8006 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8007 \fromaddress \*[2\parskip]%
8008 \@date \end{tabular}\par}%
8009 \fi
8010 \vspace{2\parskip}%
8011 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8012 \vspace{2\parskip}%
8013 #1\par\nobreak}
8014 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8015 \stopbreaks
8016 \noindent
8017 \ifx\@empty\fromaddress\else
8018 \hspace*{\longindentation}\fi
8019 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8020 \ignorespaces #1\ [6\medskipamount]%
8021 \ifx\@empty\fromsig
8022 \fromname
8023 \else \fromsig \fi\strut}%
8024 \par}
8025 \renewcommand\left@footnoterule{%
8026 \kern-\p@
8027 \hrule \@width .4\columnwidth
8028 \kern .6\p@}
8029 \renewcommand\right@footnoterule{%
8030 \kern-\p@
8031 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8032 \kern .6\p@}

```

7.55 extrafootnotefeatures-xetex-bidi.def

```

8033 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2016/05/10 v1 bidi extra footnote features 1
8034 \let\autofootnoterule\relax
8035 \let\rightfootnoterule\relax
8036 \let\leftfootnoterule\relax
8037 \let\textwidthfootnoterule\relax
8038 \let\LRfootnoterule\relax
8039 \def\footnoterule{\kern-3\p@
8040 \hrule \@width \columnwidth \kern 2.6\p@}
8041 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8042 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8043 \renewcommand{\@footnotetext}[1]{%
8044 \insert\footins{%
8045 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8046 \def\baselinestretch{\m@m@footnote@spacing}%
8047 \reset@font
8048 \foottextfont
8049 \@preamfntext
8050 \hsize\columnwidth
8051 \protected@edef\@currentlabel{%

```




```

8052     \csname p@footnote\endcsname\@thefnmark}%
8053     \color@begingroup
8054     \@makefnintext{%
8055         \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8056         \@finalstrut\strutbox}%
8057     \color@endgroup}%
8058     \m@mmf@prepare}
8059 \renewcommand{\@RTLfootnotetext}[1]{%
8060     \insert\footins{%
8061         \@RTLtrue%
8062         \def\baselinestretch{\m@m@footnote@spacing}%
8063         \reset@font
8064         \RTLfoottextfont
8065         \@preamfntext
8066         \hsize\columnwidth
8067         \protected@edef\@currentlabel{%
8068             \csname p@footnote\endcsname\@thefnmark}%
8069         \color@begingroup
8070         \@makefnintext{%
8071             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8072             \@finalstrut\strutbox}%
8073         \color@endgroup}%
8074         \m@mmf@prepare}
8075 \renewcommand{\@LTRfootnotetext}[1]{%
8076     \insert\footins{%
8077         \@RTLfalse%
8078         \def\baselinestretch{\m@m@footnote@spacing}%
8079         \reset@font
8080         \LTRfoottextfont
8081         \@preamfntext
8082         \hsize\columnwidth
8083         \protected@edef\@currentlabel{%
8084             \csname p@footnote\endcsname\@thefnmark}%
8085         \color@begingroup
8086         \@makefnintext{%
8087             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8088             \@finalstrut\strutbox}%
8089         \color@endgroup}%
8090         \m@mmf@prepare}
8091 \renewcommand{\@mpfootnotetext}[1]{%
8092     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8093         \unvbox\@mpfootins
8094         \def\baselinestretch{\m@m@footnote@spacing}%
8095         \foottextfont \hsize\columnwidth \@parboxrestore
8096         \protected@edef\@currentlabel{%
8097             \csname p@mpfootnote\endcsname\@thefnmark}%
8098         \color@begingroup
8099         \reset@font%
8100         \@makefnintext{%
8101             \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%

```



```

8102      \@finalstrut\strutbox}%
8103      \color@endgroup}}
8104 \renewcommand{\@mpLTRfootnotetext}[1]{%
8105   \global\setbox\@mpfootins\vbox{\@RTLfalse%
8106     \unvbox\@mpfootins
8107     \def\baselinestretch{\m@m@footnote@spacing}%
8108     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8109     \protected@edef\@currentlabel{%
8110       \csname p@mpfootnote\endcsname\@thefnmark}%
8111     \color@begingroup
8112     \reset@font%
8113     \@makefnintext{%
8114       \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8115       \@finalstrut\strutbox}%
8116     \color@endgroup}}
8117 \renewcommand{\@mpRTLfootnotetext}[1]{%
8118   \global\setbox\@mpfootins\vbox{\@RTLtrue%
8119     \unvbox\@mpfootins
8120     \def\baselinestretch{\m@m@footnote@spacing}%
8121     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8122     \protected@edef\@currentlabel{%
8123       \csname p@mpfootnote\endcsname\@thefnmark}%
8124     \color@begingroup
8125     \reset@font%
8126     \@makefnintext{%
8127       \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8128       \@finalstrut\strutbox}%
8129     \color@endgroup}}
8130 \let\m@mold@footnotetext\@footnotetext
8131 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8132 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8133 \let\m@mold@mpfootnotetext\@mpfootnotetext
8134 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8135 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8136 \bidi@ensure@newcommand{\normalfootnotes}{%
8137   \let\@footnotetext\m@mold@footnotetext
8138   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8139   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8140   \let\@mpfootnotetext\m@mold@mpfootnotetext
8141   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8142   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8143 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8144 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
8145 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8146 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8147   \def\m@m@singlespace{#1}%
8148   \def\m@m@footnote@spacing{#1}%
8149   \def\m@m@float@spacing{#1} %
8150 }
8151 \setSingleSpace{1}

```



```

8152 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8153 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8154   \kern-\multiplefootnotemarker
8155   \kern\multiplefootnotemarker\relax}
8156 \bidi@ensure@newlength{\footmarkwidth}
8157 \bidi@ensure@newlength{\footmarksep}
8158 \bidi@ensure@newlength{\footparindent}
8159 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8160 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8161 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8162 \bidi@ensure@newcommand{\footfootmark}{%
8163   \ifdim\footmarkwidth < \z@
8164     \llap{\hb@xt@ -\footmarkwidth{%
8165       \hss\normalfont\footscript{\@thefnmark}}}%
8166     \hspace*{-\footmarkwidth}}%
8167   \else
8168     \ifdim\footmarkwidth = \z@
8169       {\normalfont\footscript{\@thefnmark}}%
8170     \else
8171       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8172     \fi
8173   \fi}
8174 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8175   \ifdim\footmarkwidth < \z@
8176     \llap{\hb@xt@ -\footmarkwidth{%
8177       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8178     \hspace*{-\footmarkwidth}}%
8179   \else
8180     \ifdim\footmarkwidth = \z@
8181       {\normalfont\LTRfootscript{\@thefnmark}}%
8182     \else
8183       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8184     \fi
8185   \fi}
8186 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8187   \ifdim\footmarkwidth < \z@
8188     \llap{\hb@xt@ -\footmarkwidth{%
8189       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8190     \hspace*{-\footmarkwidth}}%
8191   \else
8192     \ifdim\footmarkwidth = \z@
8193       {\normalfont\RTLfootscript{\@thefnmark}}%
8194     \else
8195       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8196     \fi
8197   \fi}
8198 \footmarkstyle{\textsuperscript{#1}}
8199 \LTRfootmarkstyle{\textsuperscript{#1}}
8200 \RTLfootmarkstyle{\textsuperscript{#1}}
8201 \setlength{\footmarkwidth}{1em plus.4em minus.4em}

```



```

8202 \setlength{\footparindent}{1em}
8203 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8204 \bidi@ensure@newcommand*{\extrafeetins}{%
8205   \setbox\@outputbox \vbox{%
8206     \boxmaxdepth \@maxdepth
8207     \unvbox\@outputbox
8208     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8209     \extrafeetinshook}}
8210 \bidi@ensure@newcommand{\extrafeetinshook}{%
8211 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8212 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8213 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8214 \bidi@ensure@newlength{\footinsdim}
8215   \setlength{\footinsdim}{8in} % standard for \dimen\footins
8216 \bidi@ensure@newcommand{\@preamfntext}{%
8217   \interlinepenalty\interfootnotelinepenalty
8218   \floatingpenalty \@MM
8219   \splittopskip=\footnotesep
8220   \splitmaxdepth=\dp\strutbox
8221   \@parboxrestore}
8222 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8223   \extrafeetminihook}
8224 \bidi@ensure@newcommand{\extrafeetendmini}{%
8225   \ifvoid\@mpfootinsv@r\else
8226     \vskip\skip\@mpfootins
8227     \normalcolor\footnoterule\mp@footgroupv@r
8228     \fi
8229     \extrafeetendminihook}
8230 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8231 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8232 \def\endminipage{%
8233   \par
8234   \unskip
8235   \ifvoid\@mpfootins\else
8236     \vskip\skip\@mpfootins
8237     \normalcolor
8238     \footnoterule
8239     \unvbox\@mpfootins
8240   \fi
8241   \m@mdoextrafeetendmini
8242   \@minipagefalse
8243   \color@endgroup
8244   \egroup
8245   \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8246 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8247   \@namedef{\@footstart#1}{%
8248     \bidi@mopfn@bottom
8249     \vskip\bigskipamount
8250     \leftskip=\z@
8251     \rightskip=\z@

```



```

8252 \footnoterule}}
8253 \newinsert\footinsv@r
8254 \skip\footinsv@r\bigskipamount
8255 \count\footinsv@r=1000 % no magnification
8256 \dimen\footinsv@r=\footinsdim
8257 \m@make@footstart{v@r}
8258 \bidi@ensure@newcommand{\@footgroupv@r}{}
8259 \newinsert\@mpfootinsv@r
8260 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
8261 \newcount\m@m@k \newdimen\m@m@h
8262 \@ifpackageloaded{multicol}{%
8263 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8264 \hsize\textwidth
8265 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8266 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
8267 }{%
8268 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8269 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8270 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
8271 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
8272 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
8273 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
8274 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8275 \setbox2 \vsplit0 to \dimen0
8276 \unvbox2 }
8277 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8278 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8279 \let\@footnotetext\@twocolfootnotetext
8280 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8281 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8282 \dimen\footinsv@r=2\footinsdim
8283 \count\footinsv@r=500\relax
8284 \m@make@twocol@footgroup{v@r}%
8285 \let\@footgroupv@r\@twocol@footgroupv@r
8286 \let\@mpfootnotetext\@mptwocolfootnotetext
8287 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8288 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8289 \m@make@mptwocol@footgroup{v@r}%
8290 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8291 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8292 \def\baselinestretch{\m@m@footnote@spacing}%
8293 \reset@font\foottextfont
8294 \@preamfntext
8295 \protected@edef\@currentlabel{%
8296 \csname p@footnote\endcsname\@thefnmark}%
8297 \color@begingroup
8298 \@twocolfootfmt{#1}%
8299 \color@endgroup}%
8300 \m@m@mmf@prepare}
8301 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%

```



```

8302 \def\baselinestretch{\m@m@footnote@spacing}%
8303 \reset@font\LTRfoottextfont
8304 \@preamfntext
8305 \protected@edef\@currentlabel{%
8306   \csname p@footnote\endcsname\@thefnmark}%
8307 \color@begingroup
8308   \@twocolLTRfootfmt{#1}%
8309 \color@endgroup}%
8310 \m@mmf@prepare}
8311 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8312 \def\baselinestretch{\m@m@footnote@spacing}%
8313 \reset@font\RTLfoottextfont
8314 \@preamfntext
8315 \protected@edef\@currentlabel{%
8316   \csname p@footnote\endcsname\@thefnmark}%
8317 \color@begingroup
8318   \@twocolRTLfootfmt{#1}%
8319 \color@endgroup}%
8320 \m@mmf@prepare}
8321 \bidi@ensure@newcommand{\@preamtwofmt}{%
8322 \hsize .45\hsize
8323 \parindent=\z@
8324 \tolerance=5000\relax
8325 \leavevmode}
8326 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8327 \@preamtwofmt
8328 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8329 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8330 \@preamtwofmt
8331 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8332 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8333 \@preamtwofmt
8334 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8335 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8336 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8337 \unvbox\@mpfootinsv@r
8338 \def\baselinestretch{\m@m@footnote@spacing}%
8339 \reset@font\foottextfont
8340 \hsize\columnwidth \@parboxrestore
8341 \protected@edef\@currentlabel{%
8342   \csname p@mpfootnote\endcsname\@thefnmark}%
8343 \color@begingroup
8344   \@twocolfootfmt{#1}%
8345 \color@endgroup}%
8346 \m@mmf@prepare}
8347 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8348 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8349 \unvbox\@mpfootinsv@r
8350 \def\baselinestretch{\m@m@footnote@spacing}%
8351 \reset@font\LTRfoottextfont

```



```

8352 \hsize\columnwidth \@parboxrestore
8353 \if@RTLcolumnfootnotes\beginL\fi
8354 \protected@edef\@currentlabel{%
8355 \csname p@mpfootnote\endcsname\@thefnmark}%
8356 \color@begingroup
8357 \@twocolLTRfootfmt{#1}%
8358 \color@endgroup}%
8359 \m@mmf@prepare}
8360 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8361 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8362 \unvbox\@mpfootinsv@r
8363 \def\baselinestretch{\m@m@footnote@spacing}%
8364 \reset@font\RTLfoottextfont
8365 \hsize\columnwidth \@parboxrestore
8366 \protected@edef\@currentlabel{%
8367 \csname p@mpfootnote\endcsname\@thefnmark}%
8368 \color@begingroup
8369 \@twocolRTLfootfmt{#1}%
8370 \color@endgroup}%
8371 \m@mmf@prepare}
8372 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8373 \m@make@twocolfootnotetext{#1}%
8374 \m@make@mptwocolfootnotetext{#1}%
8375 \m@make@twocolfootfmt{#1}%
8376 \m@make@twocol@footgroup{#1}%
8377 \m@make@mptwocol@footgroup{#1}%
8378 \m@make@footstart{#1}%
8379 \bidi@namelongdef{\@footnotetext#1}##1{%
8380 \@nameuse{\@twocolfootnotetext#1}{##1}}%
8381 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8382 \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8383 \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
8384 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8385 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8386 \expandafter\count\csname footins#1\endcsname=500\relax}
8387 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8388 \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
8389 \insert\@nameuse{footins#1}{%
8390 \def\baselinestretch{\m@m@footnote@spacing}%
8391 \reset@font\@nameuse{foottextfont#1}%
8392 \@preamfntext
8393 \protected@edef\@currentlabel{%
8394 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8395 \color@begingroup
8396 \@nameuse{\@twocolfootfmt#1}{##1}%
8397 \color@endgroup}%
8398 \m@mmf@prepare}}
8399 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8400 \bidi@namelongdef{\@mptwocolfootnotetext#1}##1{%
8401 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%

```



```

8402 \unvbox\@nameuse{mpfootins#1}
8403 \def\baselinestretch{\m@m@footnote@spacing}%
8404 \reset@font\@nameuse{foottextfont#1}%
8405 \hsize\columnwidth \parboxrestore
8406 \protected@edef\@currentlabel{%
8407 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8408 \color@begingroup
8409 \@nameuse{@twocolfootfmt#1}{##1}%
8410 \color@endgroup}\m@mmf@prepare}}
8411 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8412 \@namedef{@twocolfootfmt#1}##1{%
8413 \preamtwofmt
8414 {\@nameuse{footfootmark#1}\strut
8415 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8416 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8417 \@namedef{@twocol@footgroup#1}{%
8418 \def\baselinestretch{\m@m@footnote@spacing}%
8419 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8420 \m@r@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8421 \bidi@ensure@newcommand{\m@make@mp@twocol@footgroup}[1]{%
8422 \@namedef{@mp@twocol@footgroup#1}{%
8423 \def\baselinestretch{\m@m@footnote@spacing}%
8424 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8425 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8426 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8427 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8428 \let\@footnotetext\@threecolfootnotetext
8429 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8430 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8431 \dimen\footinsv@r=3\footinsdim
8432 \count\footinsv@r=333\relax
8433 \m@make@threecol@footgroup{v@r}%
8434 \let\@footgroupv@r\@threecol@footgroupv@r
8435 \let\@mpfootnotetext\@mpthreecolfootnotetext
8436 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8437 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8438 \m@make@mpthreecol@footgroup{v@r}%
8439 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8440 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8441 \def\baselinestretch{\m@m@footnote@spacing}%
8442 \reset@font\foottextfont
8443 \preamfntext
8444 \protected@edef\@currentlabel{%
8445 \csname p@footnote\endcsname\@thefnmark}%
8446 \color@begingroup
8447 \@threecolfootfmt{##1}%
8448 \color@endgroup}\m@mmf@prepare}
8449 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnot
8450 \def\baselinestretch{\m@m@footnote@spacing}%
8451 \reset@font\LTRfoottextfont

```




```

8452 \@preamfntext
8453 \protected@edef\@currentlabel{%
8454     \csname p@footnote\endcsname\@thefnmark}%
8455 \color@begingroup
8456     \@threecolLTRfootfmt{#1}%
8457 \color@endgroup}\m@mmf@prepare}
8458 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8459     \def\baselinestretch{\m@m@footnote@spacing}%
8460     \reset@font\RTLfoottextfont
8461     \@preamfntext
8462     \protected@edef\@currentlabel{%
8463         \csname p@footnote\endcsname\@thefnmark}%
8464     \color@begingroup
8465         \@threecolRTLfootfmt{#1}%
8466     \color@endgroup}\m@mmf@prepare}
8467 \bidi@ensure@newcommand{\@preamthreefmt}{%
8468     \hspace{.3\hspace}
8469     \parindent=\z@
8470     \tolerance=5000\relax
8471     \leavevmode}
8472 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8473     \@preamthreefmt
8474     {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8475 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8476     \@preamthreefmt
8477     {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8478 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8479     \@preamthreefmt
8480     {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8481 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8482     \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8483         \unvbox\@mpfootinsv@r
8484         \def\baselinestretch{\m@m@footnote@spacing}%
8485         \reset@font\foottextfont
8486         \hspace\columnwidth \@parboxrestore
8487         \protected@edef\@currentlabel{%
8488             \csname p@mpfootnote\endcsname\@thefnmark}%
8489         \color@begingroup
8490             \@threecolfootfmt{#1}%
8491         \color@endgroup}\m@mmf@prepare}
8492 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8493     \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8494         \unvbox\@mpfootinsv@r
8495         \def\baselinestretch{\m@m@footnote@spacing}%
8496         \reset@font\LTRfoottextfont
8497         \hspace\columnwidth \@parboxrestore
8498         \if@RTLcolumnfootnotes\beginL\fi
8499         \protected@edef\@currentlabel{%
8500             \csname p@mpfootnote\endcsname\@thefnmark}%
8501         \color@begingroup

```



```

8502 \@threecolLTRfootfmt{#1}%
8503 \color@endgroup}\m@mmf@prepare}
8504 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8505 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8506 \unvbox\@mpfootinsv@r
8507 \def\baselinestretch{\m@m@footnote@spacing}%
8508 \reset@font\RTLfoottextfont
8509 \hsize\columnwidth \@parboxrestore
8510 \protected@edef\@currentlabel{%
8511 \csname p@mpfootnote\endcsname\@thefnmark}%
8512 \color@begingroup
8513 \@threecolRTLfootfmt{#1}%
8514 \color@endgroup}\m@mmf@prepare}
8515 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8516 \m@make@threecolfootnotetext{#1}%
8517 \m@make@mpthreecolfootnotetext{#1}%
8518 \m@make@threecolfootfmt{#1}%
8519 \m@make@threecol@footgroup{#1}%
8520 \m@make@mpthreecol@footgroup{#1}%
8521 \m@make@footstart{#1}%
8522 \bidi@namelongdef{\@footnotetext#1}##1{%
8523 \@nameuse{\@threecolfootnotetext#1}{##1}}%
8524 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8525 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
8526 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
8527 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
8528 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8529 \expandafter\count\csname footins#1\endcsname=333\relax}
8530 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8531 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
8532 \insert\@nameuse{\footins#1}{%
8533 \def\baselinestretch{\m@m@footnote@spacing}%
8534 \reset@font\@nameuse{\foottextfont#1}%
8535 \@preamfntext
8536 \protected@edef\@currentlabel{%
8537 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8538 \color@begingroup
8539 \@nameuse{\@threecolfootfmt#1}{##1}%
8540 \color@endgroup}\m@mmf@prepare}}
8541 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8542 \bidi@namelongdef{\@mpthreecolfootnotetext#1}##1{%
8543 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8544 \unvbox\@nameuse{\@mpfootins#1}
8545 \def\baselinestretch{\m@m@footnote@spacing}%
8546 \reset@font\@nameuse{\foottextfont#1}%
8547 \hsize\columnwidth \@parboxrestore
8548 \protected@edef\@currentlabel{%
8549 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8550 \color@begingroup
8551 \@nameuse{\@threecolfootfmt#1}{##1}%

```



```

8552 \color@endgroup}\m@mmf@prepare}}
8553 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8554 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8555 \preamthreefmt
8556 {\@nameuse{footfootmark#1}\strut
8557 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8558 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8559 \@namedef{@threecol@footgroup#1}{%
8560 \def\baselinestretch{\m@m@footnote@spacing}%
8561 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8562 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}\splittopskip}}}}
8563 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8564 \@namedef{@mpthreecol@footgroup#1}{%
8565 \def\baselinestretch{\m@m@footnote@spacing}%
8566 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8567 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}\splittopskip}}}}
8568 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8569 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8570 \let\@footnotetext\@fourcolfootnotetext
8571 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8572 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8573 \dimen\footinsv@r=4\footinsdim
8574 \count\footinsv@r=250\relax
8575 \m@make@fourcol@footgroup{v@r}%
8576 \let\@footgroupv@r\@fourcol@footgroupv@r
8577 \let\@mpfootnotetext\@mpfourcolfootnotetext
8578 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8579 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8580 \m@make@mpfourcol@footgroup{v@r}%
8581 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8582 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8583 \def\baselinestretch{\m@m@footnote@spacing}%
8584 \reset@font\foottextfont
8585 \@preamfntext
8586 \protected@edef\@currentlabel{%
8587 \csname p@footnote\endcsname\@thefnmark}%
8588 \color@begingroup
8589 \@fourcolfootfmt{#1}%
8590 \color@endgroup}%
8591 \m@mmf@prepare}
8592 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8593 \def\baselinestretch{\m@m@footnote@spacing}%
8594 \reset@font\LTRfoottextfont
8595 \@preamfntext
8596 \protected@edef\@currentlabel{%
8597 \csname p@footnote\endcsname\@thefnmark}%
8598 \color@begingroup
8599 \@fourcolLTRfootfmt{#1}%
8600 \color@endgroup}%
8601 \m@mmf@prepare}

```



```

8602 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8603 \def\baselinestretch{\m@m@footnote@spacing}%
8604 \reset@font\RTLfoottextfont
8605 \@preamfntext
8606 \protected@edef\@currentlabel{%
8607 \csname p@footnote\endcsname\@thefnmark}%
8608 \color@begingroup
8609 \@fourcolRTLfootfmt{#1}%
8610 \color@endgroup}%
8611 \m@mmf@prepare}
8612 \bidi@ensure@newcommand{\@preamfourfmt}{%
8613 \hsize .25\hsize
8614 \parindent=\z@
8615 \tolerance=5000\relax
8616 \leavevmode}
8617 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8618 \@preamfourfmt
8619 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8620 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8621 \@preamfourfmt
8622 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8623 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8624 \@preamfourfmt
8625 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8626 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8627 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8628 \unvbox\@mpfootinsv@r
8629 \def\baselinestretch{\m@m@footnote@spacing}%
8630 \reset@font\foottextfont
8631 \hsize\columnwidth \@parboxrestore
8632 \protected@edef\@currentlabel{%
8633 \csname p@mpfootnote\endcsname\@thefnmark}%
8634 \color@begingroup
8635 \@fourcolfootfmt{#1}%
8636 \color@endgroup}%
8637 \m@mmf@prepare}
8638 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8639 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8640 \unvbox\@mpfootinsv@r
8641 \def\baselinestretch{\m@m@footnote@spacing}%
8642 \reset@font\LTRfoottextfont
8643 \hsize\columnwidth \@parboxrestore
8644 \if@RTLcolumnfootnotes\beginL\fi
8645 \protected@edef\@currentlabel{%
8646 \csname p@mpfootnote\endcsname\@thefnmark}%
8647 \color@begingroup
8648 \@fourcolLTRfootfmt{#1}%
8649 \color@endgroup}%
8650 \m@mmf@prepare}
8651 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%

```



```

8652 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8653 \unvbox\@mpfootinsv@r
8654 \def\baselinestretch{\m@m@footnote@spacing}%
8655 \reset@font\RTLfoottextfont
8656 \hsize\columnwidth \@parboxrestore
8657 \protected@edef\@currentlabel{%
8658 \csname p@mpfootnote\endcsname\@thefnmark}%
8659 \color@begingroup
8660 \@fourcolRTLfootfmt{#1}%
8661 \color@endgroup}%
8662 \m@mmf@prepare}
8663 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8664 \m@make@fourcolfootnotetext{#1}%
8665 \m@make@mpfourcolfootnotetext{#1}%
8666 \m@make@fourcolfootfmt{#1}%
8667 \m@make@fourcol@footgroup{#1}%
8668 \m@make@mpfourcol@footgroup{#1}%
8669 \m@make@footstart{#1}%
8670 \bidi@namelongdef{\@footnotetext#1}##1{%
8671 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
8672 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8673 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
8674 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
8675 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
8676 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8677 \expandafter\count\csname footins#1\endcsname=500\relax}
8678 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8679 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
8680 \insert\@nameuse{\footins#1}{%
8681 \def\baselinestretch{\m@m@footnote@spacing}%
8682 \reset@font\@nameuse{\foottextfont#1}%
8683 \@preamfntext
8684 \protected@edef\@currentlabel{%
8685 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8686 \color@begingroup
8687 \@nameuse{\@fourcolfootfmt#1}{##1}%
8688 \color@endgroup}%
8689 \m@mmf@prepare}}
8690 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8691 \bidi@namelongdef{\@mpfourcolfootnotetext#1}##1{%
8692 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8693 \unvbox\@nameuse{\@mpfootins#1}
8694 \def\baselinestretch{\m@m@footnote@spacing}%
8695 \reset@font\@nameuse{\foottextfont#1}%
8696 \hsize\columnwidth \@parboxrestore
8697 \protected@edef\@currentlabel{%
8698 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8699 \color@begingroup
8700 \@nameuse{\@fourcolfootfmt#1}{##1}%
8701 \color@endgroup}\m@mmf@prepare}}

```



```

8702 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8703   \namedef{@fourcolfootfmt#1}##1{%
8704     \@preamfourfmt
8705     {\@nameuse{footfootmark#1}\strut
8706      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8707 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8708   \namedef{@fourcol@footgroup#1}{%
8709     \def\baselinestretch{\m@m@footnote@spacing}%
8710     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8711     \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
8712 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8713   \namedef{@mpfourcol@footgroup#1}{%
8714     \def\baselinestretch{\m@m@footnote@spacing}%
8715     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8716     \m@mrigidbalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
8717 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8718   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8719   \let\@footnotetext\@fivecolfootnotetext
8720   \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8721   \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8722   \dimen\footinsv@r=5\footinsdim
8723   \count\footinsv@r=200\relax
8724   \m@make@fivecol@footgroup{v@r}%
8725   \let\@footgroupv@r\@fivecol@footgroupv@r
8726   \let\@mpfootnotetext\@mpfivecolfootnotetext
8727   \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8728   \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8729   \m@make@mpfivecol@footgroup{v@r}%
8730   \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8731 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8732   \def\baselinestretch{\m@m@footnote@spacing}%
8733   \reset@font\foottextfont
8734   \@preamfntext
8735   \protected@edef\@currentlabel{%
8736     \csname p@footnote\endcsname\@thefnmark}%
8737   \color@begingroup
8738     \@fivecolfootfmt{#1}%
8739   \color@endgroup}%
8740   \m@mmf@prepare}
8741 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8742   \def\baselinestretch{\m@m@footnote@spacing}%
8743   \reset@font\LTRfoottextfont
8744   \@preamfntext
8745   \protected@edef\@currentlabel{%
8746     \csname p@footnote\endcsname\@thefnmark}%
8747   \color@begingroup
8748     \@fivecolLTRfootfmt{#1}%
8749   \color@endgroup}%
8750   \m@mmf@prepare}
8751 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%

```



```

8752 \def\baselinestretch{\m@m@footnote@spacing}%
8753 \reset@font\RTLfoottextfont
8754 \@preamfntext
8755 \protected@edef\@currentlabel{%
8756   \csname p@footnote\endcsname\@thefnmark}%
8757 \color@begingroup
8758   \@fivecolRTLfootfmt{#1}%
8759 \color@endgroup}%
8760 \m@mmf@prepare}
8761 \bidi@ensure@newcommand{\@preamfivefmt}{%
8762   \hsize .2\hsize
8763   \parindent=\z@
8764   \tolerance=5000\relax
8765   \leavevmode}
8766 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8767   \@preamfivefmt
8768   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8769 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8770   \@preamfivefmt
8771   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8772 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8773   \@preamfivefmt
8774   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8775 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8776   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8777     \unvbox\@mpfootinsv@r
8778     \def\baselinestretch{\m@m@footnote@spacing}%
8779     \reset@font\foottextfont
8780     \hsize\columnwidth \@parboxrestore
8781     \protected@edef\@currentlabel{%
8782       \csname p@mpfootnote\endcsname\@thefnmark}%
8783     \color@begingroup
8784       \@fivecolfootfmt{#1}%
8785     \color@endgroup}%
8786     \m@mmf@prepare}
8787 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8788   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8789     \unvbox\@mpfootinsv@r
8790     \def\baselinestretch{\m@m@footnote@spacing}%
8791     \reset@font\LTRfoottextfont
8792     \hsize\columnwidth \@parboxrestore
8793     \if@RTLcolumnfootnotes\beginL\fi
8794     \protected@edef\@currentlabel{%
8795       \csname p@mpfootnote\endcsname\@thefnmark}%
8796     \color@begingroup
8797       \@fivecolLTRfootfmt{#1}%
8798     \color@endgroup}%
8799     \m@mmf@prepare}
8800 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8801   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%

```



```

8802 \unvbox\@mpfootinsv@r
8803 \def\baselinestretch{\m@m@footnote@spacing}%
8804 \reset@font\RTLfoottextfont
8805 \hsize\columnwidth \@parboxrestore
8806 \protected@edef\@currentlabel{%
8807 \csname p@mpfootnote\endcsname\@thefnmark}%
8808 \color@begingroup
8809 \@fivecolRTLfootfmt{#1}%
8810 \color@endgroup}%
8811 \m@mmf@prepare}
8812 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8813 \m@make@fivecolfootnotetext{#1}%
8814 \m@make@mpfivecolfootnotetext{#1}%
8815 \m@make@fivecolfootfmt{#1}%
8816 \m@make@fivecol@footgroup{#1}%
8817 \m@make@mpfivecol@footgroup{#1}%
8818 \m@make@footstart{#1}%
8819 \bidi@namelongdef{\@footnotetext#1}##1{%
8820 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
8821 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8822 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
8823 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
8824 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
8825 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8826 \expandafter\count\csname footins#1\endcsname=500\relax}
8827 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8828 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
8829 \insert\@nameuse{\footins#1}{%
8830 \def\baselinestretch{\m@m@footnote@spacing}%
8831 \reset@font\@nameuse{\foottextfont#1}%
8832 \@preamfntext
8833 \protected@edef\@currentlabel{%
8834 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8835 \color@begingroup
8836 \@nameuse{\@fivecolfootfmt#1}{##1}%
8837 \color@endgroup}%
8838 \m@mmf@prepare}}
8839 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8840 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
8841 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8842 \unvbox\@nameuse{\@mpfootins#1}
8843 \def\baselinestretch{\m@m@footnote@spacing}%
8844 \reset@font\@nameuse{\foottextfont#1}%
8845 \hsize\columnwidth \@parboxrestore
8846 \protected@edef\@currentlabel{%
8847 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8848 \color@begingroup
8849 \@nameuse{\@fivecolfootfmt#1}{##1}%
8850 \color@endgroup}\m@mmf@prepare}}
8851 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%

```




```

8852 \@namedef{@fivecolfootfmt#1}##1{%
8853   \@preamfivefmt
8854   {\@nameuse{footfootmark#1}\strut
8855    {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8856 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8857   \@namedef{@fivecol@footgroup#1}{%
8858     \def\baselinestretch{\m@m@footnote@spacing}%
8859     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8860     \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8861 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8862   \@namedef{@mpfivecol@footgroup#1}{%
8863     \def\baselinestretch{\m@m@footnote@spacing}%
8864     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8865     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8866 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8867   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8868   \let\@footnotetext\@sixcolfootnotetext
8869   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8870   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8871   \dimen\footinsv@r=6\footinsdim
8872   \count\footinsv@r=166\relax
8873   \m@make@sixcol@footgroup{v@r}%
8874   \let\@footgroupv@r\@sixcol@footgroupv@r
8875   \let\@mpfootnotetext\@mpsixcolfootnotetext
8876   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8877   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8878   \m@make@mpsixcol@footgroup{v@r}%
8879   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
8880 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8881   \def\baselinestretch{\m@m@footnote@spacing}%
8882   \reset@font\foottextfont
8883   \@preamfntext
8884   \protected@edef\@currentlabel{%
8885     \csname p@footnote\endcsname\@thefnmark}%
8886   \color@begingroup
8887     \@sixcolfootfmt{#1}%
8888   \color@endgroup}%
8889   \m@mmf@prepare}
8890 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8891   \def\baselinestretch{\m@m@footnote@spacing}%
8892   \reset@font\LTRfoottextfont
8893   \@preamfntext
8894   \protected@edef\@currentlabel{%
8895     \csname p@footnote\endcsname\@thefnmark}%
8896   \color@begingroup
8897     \@sixcolLTRfootfmt{#1}%
8898   \color@endgroup}%
8899   \m@mmf@prepare}
8900 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8901   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8902 \reset@font\RTLfoottextfont
8903 \@preamfntext
8904 \protected@edef\@currentlabel{%
8905   \csname p@footnote\endcsname\@thefnmark}%
8906 \color@begingroup
8907   \@sixcolRTLfootfmt{#1}%
8908 \color@endgroup}%
8909 \m@mmf@prepare}
8910 \bidi@ensure@newcommand{\@preamsixfmt}{%
8911   \hsize .16\hsize
8912   \parindent=\z@
8913   \tolerance=5000\relax
8914   \leavevmode}
8915 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8916   \@preamsixfmt
8917   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8918 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8919   \@preamsixfmt
8920   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8921 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8922   \@preamsixfmt
8923   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8924 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
8925 \global\setbox\@mpfootinsv@r\vbox{%
8926   \unvbox\@mpfootinsv@r
8927   \def\baselinestretch{\m@m@footnote@spacing}%
8928   \reset@font\foottextfont
8929   \hsize\columnwidth \@parboxrestore
8930   \protected@edef\@currentlabel{%
8931     \csname p@mpfootnote\endcsname\@thefnmark}%
8932   \color@begingroup
8933     \@sixcolfootfmt{#1}%
8934   \color@endgroup}%
8935   \m@mmf@prepare}
8936 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8937 \global\setbox\@mpfootinsv@r\vbox{%
8938   \unvbox\@mpfootinsv@r
8939   \def\baselinestretch{\m@m@footnote@spacing}%
8940   \reset@font\LTRfoottextfont
8941   \hsize\columnwidth \@parboxrestore
8942   \if@RTLcolumnfootnotes\beginL\fi
8943   \protected@edef\@currentlabel{%
8944     \csname p@mpfootnote\endcsname\@thefnmark}%
8945   \color@begingroup
8946     \@sixcolLTRfootfmt{#1}%
8947   \color@endgroup}%
8948   \m@mmf@prepare}
8949 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8950 \global\setbox\@mpfootinsv@r\vbox{%
8951   \unvbox\@mpfootinsv@r

```



```

8952 \def\baselinestretch{\m@m@footnote@spacing}%
8953 \reset@font\RTLfoottextfont
8954 \hsize\columnwidth \@parboxrestore
8955 \protected@edef\@currentlabel{%
8956 \csname p@mpfootnote\endcsname\@thefnmark}%
8957 \color@begingroup
8958 \@sixcolRTLfootfmt{#1}%
8959 \color@endgroup}%
8960 \m@mmf@prepare}
8961 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8962 \m@make@sixcolfootnotetext{#1}%
8963 \m@make@mpsixcolfootnotetext{#1}%
8964 \m@make@sixcolfootfmt{#1}%
8965 \m@make@sixcol@footgroup{#1}%
8966 \m@make@mpsixcol@footgroup{#1}%
8967 \m@make@footstart{#1}%
8968 \bidi@namelongdef{\@footnotetext#1}##1{%
8969 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
8970 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8971 \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
8972 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
8973 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
8974 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8975 \expandafter\count\csname footins#1\endcsname=500\relax}
8976 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8977 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
8978 \insert\@nameuse{\footins#1}{%
8979 \def\baselinestretch{\m@m@footnote@spacing}%
8980 \reset@font\@nameuse{\foottextfont#1}%
8981 \@preamfntext
8982 \protected@edef\@currentlabel{%
8983 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8984 \color@begingroup
8985 \@nameuse{\@sixcolfootfmt#1}{##1}%
8986 \color@endgroup}%
8987 \m@mmf@prepare}}
8988 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8989 \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
8990 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8991 \unvbox\@nameuse{\@mpfootins#1}
8992 \def\baselinestretch{\m@m@footnote@spacing}%
8993 \reset@font\@nameuse{\foottextfont#1}%
8994 \hsize\columnwidth \@parboxrestore
8995 \protected@edef\@currentlabel{%
8996 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8997 \color@begingroup
8998 \@nameuse{\@sixcolfootfmt#1}{##1}%
8999 \color@endgroup}\m@mmf@prepare}}
9000 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9001 \@namedef{\@sixcolfootfmt#1}##1{%

```



```

9002 \preamsixfmt
9003 {\@nameuse{footfootmark#1}\strut
9004 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9005 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9006 \@namedef{@sixcol@footgroup#1}{%
9007 \def\baselinestretch{\m@m@footnote@spacing}%
9008 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9009 \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
9010 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9011 \@namedef{@mpsixcol@footgroup#1}{%
9012 \def\baselinestretch{\m@m@footnote@spacing}%
9013 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9014 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}}
9015 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9016 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9017 \let\@footnotetext\@sevendcolfootnotetext
9018 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9019 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9020 \dimen\footinsv@r=7\footinsdim
9021 \count\footinsv@r=142\relax
9022 \m@make@sevendcol@footgroup{v@r}%
9023 \let\@footgroupv@r\@sevendcol@footgroupv@r
9024 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9025 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9026 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9027 \m@make@mpsevendcol@footgroup{v@r}%
9028 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9029 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9030 \def\baselinestretch{\m@m@footnote@spacing}%
9031 \reset@font\foottextfont
9032 \@preamfntext
9033 \protected@edef\@currentlabel{%
9034 \csname p@footnote\endcsname\@thefnmark}%
9035 \color@begingroup
9036 \@sevendcolfootfmt{#1}%
9037 \color@endgroup}%
9038 \m@m@mmf@prepare}
9039 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9040 \def\baselinestretch{\m@m@footnote@spacing}%
9041 \reset@font\LTRfoottextfont
9042 \@preamfntext
9043 \protected@edef\@currentlabel{%
9044 \csname p@footnote\endcsname\@thefnmark}%
9045 \color@begingroup
9046 \@sevendcolLTRfootfmt{#1}%
9047 \color@endgroup}%
9048 \m@m@mmf@prepare}
9049 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9050 \def\baselinestretch{\m@m@footnote@spacing}%
9051 \reset@font\RTLfoottextfont

```



```

9052 \@preamfntext
9053 \protected@edef\@currentlabel{%
9054   \csname p@footnote\endcsname\@thefnmark}%
9055 \color@begingroup
9056   \@sevendcolRTLfootfmt{#1}%
9057 \color@endgroup}%
9058 \m@mmf@prepare}
9059 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9060   \hspace{.142\hspace}
9061   \parindent=\z@
9062   \tolerance=5000\relax
9063   \leavevmode}
9064 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
9065   \@preamsevenfmt
9066   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9067 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
9068   \@preamsevenfmt
9069   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9070 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
9071   \@preamsevenfmt
9072   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9073 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9074   \global\setbox\@mpfootinsv@r\vbox{%
9075     \unvbox\@mpfootinsv@r
9076     \def\baselinestretch{\m@mm@footnote@spacing}%
9077     \reset@font\foottextfont
9078     \hspace\columnwidth \@parboxrestore
9079     \protected@edef\@currentlabel{%
9080       \csname p@mpfootnote\endcsname\@thefnmark}%
9081     \color@begingroup
9082       \@sevendcolfootfmt{#1}%
9083     \color@endgroup}%
9084     \m@mmf@prepare}
9085 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
9086   \global\setbox\@mpfootinsv@r\vbox{%
9087     \unvbox\@mpfootinsv@r
9088     \def\baselinestretch{\m@mm@footnote@spacing}%
9089     \reset@font\LTRfoottextfont
9090     \hspace\columnwidth \@parboxrestore
9091     \if@RTLcolumnfootnotes\beginL\fi
9092     \protected@edef\@currentlabel{%
9093       \csname p@mpfootnote\endcsname\@thefnmark}%
9094     \color@begingroup
9095       \@sevendcolLTRfootfmt{#1}%
9096     \color@endgroup}%
9097     \m@mmf@prepare}
9098 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
9099   \global\setbox\@mpfootinsv@r\vbox{%
9100     \unvbox\@mpfootinsv@r
9101     \def\baselinestretch{\m@mm@footnote@spacing}%

```



```

g102 \reset@font\RTLfoottextfont
g103 \hsize\columnwidth \@parboxrestore
g104 \protected@edef\@currentlabel{%
g105 \csname p@mpfootnote\endcsname\@thefnmark}%
g106 \color@begingroup
g107 \@sevenscolRTLfootfmt{#1}%
g108 \color@endgroup}%
g109 \m@mmf@prepare}
g110 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
g111 \m@make@sevenscolfootnotetext{#1}%
g112 \m@make@mpsevenscolfootnotetext{#1}%
g113 \m@make@sevenscolfootfmt{#1}%
g114 \m@make@sevenscol@footgroup{#1}%
g115 \m@make@mpsevenscol@footgroup{#1}%
g116 \m@make@footstart{#1}%
g117 \bidi@namelongdef{\footnotetext#1}##1{%
g118 \@nameuse{\sevenscolfootnotetext#1}{##1}}%
g119 \bidi@namelongdef{\mpfootnotetext#1}##1{%
g120 \@nameuse{\mpsevenscolfootnotetext#1}{##1}}%
g121 \@namedef{\footgroup#1}{\@nameuse{\sevenscol@footgroup#1}}%
g122 \@namedef{\mpfootgroup#1}{\@nameuse{\mpsevenscol@footgroup#1}}%
g123 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g124 \expandafter\count\csname footins#1\endcsname=500\relax}
g125 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
g126 \bidi@namelongdef{\sevenscolfootnotetext#1}##1{%
g127 \insert\@nameuse{\footins#1}{%
g128 \def\baselinestretch{\m@m@footnote@spacing}%
g129 \reset@font\@nameuse{\foottextfont#1}%
g130 \preamfntext
g131 \protected@edef\@currentlabel{%
g132 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
g133 \color@begingroup
g134 \@nameuse{\sevenscolfootfmt#1}{##1}%
g135 \color@endgroup}%
g136 \m@mmf@prepare}}
g137 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
g138 \bidi@namelongdef{\mpsevenscolfootnotetext#1}##1{%
g139 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
g140 \unvbox\@nameuse{\mpfootins#1}
g141 \def\baselinestretch{\m@m@footnote@spacing}%
g142 \reset@font\@nameuse{\foottextfont#1}%
g143 \hsize\columnwidth \@parboxrestore
g144 \protected@edef\@currentlabel{%
g145 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
g146 \color@begingroup
g147 \@nameuse{\sevenscolfootfmt#1}{##1}%
g148 \color@endgroup}\m@mmf@prepare}}
g149 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
g150 \@namedef{\sevenscolfootfmt#1}##1{%
g151 \@preamsevenfmt

```



```

9152     {\@nameuse{footfootmark#1}\strut
9153      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9154 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9155   \@namedef{@sevendcol@footgroup#1}{%
9156     \def\baselinestretch{\m@m@footnote@spacing}%
9157     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9158     \m@rgridbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9159 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9160   \@namedef{@mpsevendcol@footgroup#1}{%
9161     \def\baselinestretch{\m@m@footnote@spacing}%
9162     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9163     \m@rgridbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
9164 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9165   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9166   \let\@footnotetext\@eightcolfootnotetext
9167   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9168   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9169   \dimen\footinsv@r=8\footinsdim
9170   \count\footinsv@r=125\relax
9171   \m@make@eightcol@footgroup{v@r}%
9172   \let\@footgroupv@r\@eightcol@footgroupv@r
9173   \let\@mpfootnotetext\@mpeightcolfootnotetext
9174   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9175   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9176   \m@make@mpeightcol@footgroup{v@r}%
9177   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9178 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9179   \def\baselinestretch{\m@m@footnote@spacing}%
9180   \reset@font\foottextfont
9181   \@preamfntext
9182   \protected@edef\@currentlabel{%
9183     \csname p@footnote\endcsname\@thefnmark}%
9184   \color@begingroup
9185     \@eightcolfootfmt{#1}%
9186   \color@endgroup}%
9187   \m@mmf@prepare}
9188 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9189   \def\baselinestretch{\m@m@footnote@spacing}%
9190   \reset@font\LTRfoottextfont
9191   \@preamfntext
9192   \protected@edef\@currentlabel{%
9193     \csname p@footnote\endcsname\@thefnmark}%
9194   \color@begingroup
9195     \@eightcolLTRfootfmt{#1}%
9196   \color@endgroup}%
9197   \m@mmf@prepare}
9198 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9199   \def\baselinestretch{\m@m@footnote@spacing}%
9200   \reset@font\RTLfoottextfont
9201   \@preamfntext

```



```

g202 \protected@edef\@currentlabel{%
g203   \csname p@footnote\endcsname\@thefnmark}%
g204 \color@begingroup
g205   \@eightcolRTLfootfmt{#1}%
g206 \color@endgroup}%
g207 \m@mmf@prepare}
g208 \bidi@ensure@newcommand{\@preameightfmt}{%
g209   \hspace{.125\hspace}
g210   \parindent=\z@
g211   \tolerance=5000\relax
g212   \leavevmode}
g213 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
g214   \@preameightfmt
g215   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g216 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
g217   \@preameightfmt
g218   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g219 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
g220   \@preameightfmt
g221   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g222 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
g223   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
g224     \unvbox\@mpfootinsv@r
g225     \def\baselinestretch{\m@m@footnote@spacing}%
g226     \reset@font\foottextfont
g227     \hspace\columnwidth \@parboxrestore
g228     \protected@edef\@currentlabel{%
g229       \csname p@mpfootnote\endcsname\@thefnmark}%
g230     \color@begingroup
g231       \@eightcolfootfmt{#1}%
g232     \color@endgroup}%
g233     \m@mmf@prepare}
g234 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
g235   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
g236     \unvbox\@mpfootinsv@r
g237     \def\baselinestretch{\m@m@footnote@spacing}%
g238     \reset@font\LTRfoottextfont
g239     \hspace\columnwidth \@parboxrestore
g240     \if@RTLcolumnfootnotes\beginL\fi
g241     \protected@edef\@currentlabel{%
g242       \csname p@mpfootnote\endcsname\@thefnmark}%
g243     \color@begingroup
g244       \@eightcolLTRfootfmt{#1}%
g245     \color@endgroup}%
g246     \m@mmf@prepare}
g247 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
g248   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
g249     \unvbox\@mpfootinsv@r
g250     \def\baselinestretch{\m@m@footnote@spacing}%
g251     \reset@font\RTLfoottextfont

```




```

9252 \hsize\columnwidth \@parboxrestore
9253 \protected@edef\@currentlabel{%
9254 \csname p@mpfootnote\endcsname\@thefnmark}%
9255 \color@begingroup
9256 \@eightcolRTLfootfmt{#1}%
9257 \color@endgroup}%
9258 \m@mmlf@prepare}
9259 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9260 \m@make@eightcolfootnotetext{#1}%
9261 \m@make@mpeightcolfootnotetext{#1}%
9262 \m@make@eightcolfootfmt{#1}%
9263 \m@make@eightcol@footgroup{#1}%
9264 \m@make@mpeightcol@footgroup{#1}%
9265 \m@make@footstart{#1}%
9266 \bidi@namelongdef{\footnotetext#1}##1{%
9267 \@nameuse{\eightcolfootnotetext#1}{##1}}%
9268 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9269 \@nameuse{\mpeightcolfootnotetext#1}{##1}}%
9270 \@namedef{\@footgroup#1}{\@nameuse{\eightcol@footgroup#1}}%
9271 \@namedef{\mp@footgroup#1}{\@nameuse{\mpeightcol@footgroup#1}}%
9272 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9273 \expandafter\count\csname footins#1\endcsname=500\relax}
9274 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9275 \bidi@namelongdef{\eightcolfootnotetext#1}##1{%
9276 \insert\@nameuse{footins#1}{%
9277 \def\baselinestretch{\m@m@footnote@spacing}%
9278 \reset@font\@nameuse{foottextfont#1}%
9279 \@preamfntext
9280 \protected@edef\@currentlabel{%
9281 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9282 \color@begingroup
9283 \@nameuse{\eightcolfootfmt#1}{##1}%
9284 \color@endgroup}%
9285 \m@mmlf@prepare}}
9286 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9287 \bidi@namelongdef{\mpeightcolfootnotetext#1}##1{%
9288 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9289 \unvbox\@nameuse{\mpfootins#1}
9290 \def\baselinestretch{\m@m@footnote@spacing}%
9291 \reset@font\@nameuse{foottextfont#1}%
9292 \hsize\columnwidth \@parboxrestore
9293 \protected@edef\@currentlabel{%
9294 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9295 \color@begingroup
9296 \@nameuse{\eightcolfootfmt#1}{##1}%
9297 \color@endgroup}\m@mmlf@prepare}}
9298 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9299 \@namedef{\eightcolfootfmt#1}##1{%
9300 \@preameightfmt
9301 {\@nameuse{footfootmark#1}}\strut

```



```

9302      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9303 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9304   \@namedef{@eightcol@footgroup#1}{%
9305     \def\baselinestretch{\m@m@footnote@spacing}%
9306     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9307     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9308 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
9309 \@namedef{@mp@eightcol@footgroup#1}{%
9310   \def\baselinestretch{\m@m@footnote@spacing}%
9311   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9312   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9313 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9314   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9315   \let\@footnotetext\@ninecolfootnotetext
9316   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9317   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9318   \dimen\footinsv@r=9\footinsdim
9319   \count\footinsv@r=111\relax
9320   \m@make@ninecol@footgroup{v@r}%
9321   \let\@footgroupv@r\@ninecol@footgroupv@r
9322   \let\@mpfootnotetext\@mpninecolfootnotetext
9323   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9324   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9325   \m@make@mpninecol@footgroup{v@r}%
9326   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9327 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9328 \def\baselinestretch{\m@m@footnote@spacing}%
9329 \reset@font\foottextfont
9330 \@preamfntext
9331 \protected@edef\@currentlabel{%
9332   \csname p@footnote\endcsname\@thefnmark}%
9333 \color@begingroup
9334   \@ninecolfootfmt{#1}%
9335 \color@endgroup}%
9336 \m@mmf@prepare}
9337 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9338 \def\baselinestretch{\m@m@footnote@spacing}%
9339 \reset@font\LTRfoottextfont
9340 \@preamfntext
9341 \protected@edef\@currentlabel{%
9342   \csname p@footnote\endcsname\@thefnmark}%
9343 \color@begingroup
9344   \@ninecolLTRfootfmt{#1}%
9345 \color@endgroup}%
9346 \m@mmf@prepare}
9347 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9348 \def\baselinestretch{\m@m@footnote@spacing}%
9349 \reset@font\RTLfoottextfont
9350 \@preamfntext
9351 \protected@edef\@currentlabel{%

```



```

9352 \csname p@footnote\endcsname\@thefnmark}%
9353 \color@begingroup
9354 \@ninecolRTLfootfmt{#1}%
9355 \color@endgroup}%
9356 \m@mmf@prepare}
9357 \bidi@ensure@newcommand{\@preamninefmt}{%
9358 \hspace .1\hspace
9359 \parindent=\z@
9360 \tolerance=5000\relax
9361 \leavevmode}
9362 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9363 \@preamninefmt
9364 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9365 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9366 \@preamninefmt
9367 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9368 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9369 \@preamninefmt
9370 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9371 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9372 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9373 \unvbox\@mpfootinsv@r
9374 \def\baselinestretch{\m@m@footnote@spacing}%
9375 \reset@font\foottextfont
9376 \hspace\columnwidth \@parboxrestore
9377 \protected@edef\@currentlabel{%
9378 \csname p@mpfootnote\endcsname\@thefnmark}%
9379 \color@begingroup
9380 \@ninecolfootfmt{#1}%
9381 \color@endgroup}%
9382 \m@mmf@prepare}
9383 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9384 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9385 \unvbox\@mpfootinsv@r
9386 \def\baselinestretch{\m@m@footnote@spacing}%
9387 \reset@font\LTRfoottextfont
9388 \hspace\columnwidth \@parboxrestore
9389 \if@RTLcolumnfootnotes\beginL\fi
9390 \protected@edef\@currentlabel{%
9391 \csname p@mpfootnote\endcsname\@thefnmark}%
9392 \color@begingroup
9393 \@ninecolLTRfootfmt{#1}%
9394 \color@endgroup}%
9395 \m@mmf@prepare}
9396 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9397 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9398 \unvbox\@mpfootinsv@r
9399 \def\baselinestretch{\m@m@footnote@spacing}%
9400 \reset@font\RTLfoottextfont
9401 \hspace\columnwidth \@parboxrestore

```



```

9402 \protected@edef\@currentlabel{%
9403 \csname p@mpfootnote\endcsname\@thefnmark}%
9404 \color@begingroup
9405 \@ninecolRTLfootfmt{#1}%
9406 \color@endgroup}%
9407 \m@mmf@prepare}
9408 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9409 \m@make@ninecolfootnotetext{#1}%
9410 \m@make@mpninecolfootnotetext{#1}%
9411 \m@make@ninecolfootfmt{#1}%
9412 \m@make@ninecol@footgroup{#1}%
9413 \m@make@mpninecol@footgroup{#1}%
9414 \m@make@footstart{#1}%
9415 \bidi@namelongdef{\footnotetext#1}##1{%
9416 \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9417 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9418 \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9419 \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9420 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9421 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9422 \expandafter\count\csname footins#1\endcsname=500\relax}
9423 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9424 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9425 \insert\@nameuse{footins#1}{%
9426 \def\baselinestretch{\m@mm@footnote@spacing}%
9427 \reset@font\@nameuse{foottextfont#1}%
9428 \@preamfntext
9429 \protected@edef\@currentlabel{%
9430 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9431 \color@begingroup
9432 \@nameuse{\@ninecolfootfmt#1}{##1}%
9433 \color@endgroup}%
9434 \m@mmf@prepare}}
9435 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9436 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%
9437 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9438 \unvbox\@nameuse{\mpfootins#1}
9439 \def\baselinestretch{\m@mm@footnote@spacing}%
9440 \reset@font\@nameuse{foottextfont#1}%
9441 \hsize\columnwidth \@parboxrestore
9442 \protected@edef\@currentlabel{%
9443 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9444 \color@begingroup
9445 \@nameuse{\@ninecolfootfmt#1}{##1}%
9446 \color@endgroup}\m@mmf@prepare}}
9447 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
9448 \@namedef{\@ninecolfootfmt#1}##1{%
9449 \@preamninefmt
9450 {\@nameuse{footfootmark#1}\strut
9451 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}

```



```

9452 \bidi@ensure@newcommand{\m@make@ninelcol@footgroup}[1]{%
9453   \@namedef{@ninelcol@footgroup#1}{%
9454     \def\baselinestretch{\m@m@footnote@spacing}%
9455     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9456     \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
9457 \bidi@ensure@newcommand{\m@make@mpninelcol@footgroup}[1]{%
9458   \@namedef{@mpninelcol@footgroup#1}{%
9459     \def\baselinestretch{\m@m@footnote@spacing}%
9460     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9461     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
9462 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9463   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9464   \let\@footnotetext\@tencolfootnotetext
9465   \let\@LTRfootnotetext\@tencolLTRfootnotetext
9466   \let\@RTLfootnotetext\@tencolRTLfootnotetext
9467   \dimen\footinsv@r=10\footinsdim
9468   \count\footinsv@r=100\relax
9469   \m@make@tencol@footgroup{v@r}%
9470   \let\@footgroupv@r\@tencol@footgroupv@r
9471   \let\@mpfootnotetext\@mptencolfootnotetext
9472   \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9473   \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9474   \m@make@mptencol@footgroup{v@r}%
9475   \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9476 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9477   \def\baselinestretch{\m@m@footnote@spacing}%
9478   \reset@font\LTRfoottextfont
9479   \@preamfntext
9480   \protected@edef\@currentlabel{%
9481     \csname p@footnote\endcsname\@thefnmark}%
9482   \color@begingroup
9483     \@tencolfootfmt{#1}%
9484   \color@endgroup}%
9485   \m@mmf@prepare}
9486 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9487   \def\baselinestretch{\m@m@footnote@spacing}%
9488   \reset@font\LTRfoottextfont
9489   \@preamfntext
9490   \protected@edef\@currentlabel{%
9491     \csname p@footnote\endcsname\@thefnmark}%
9492   \color@begingroup
9493     \@tencolLTRfootfmt{#1}%
9494   \color@endgroup}%
9495   \m@mmf@prepare}
9496 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9497   \def\baselinestretch{\m@m@footnote@spacing}%
9498   \reset@font\RTLfoottextfont
9499   \@preamfntext
9500   \protected@edef\@currentlabel{%
9501     \csname p@footnote\endcsname\@thefnmark}%

```



```

9502 \color@begingroup
9503 \@tencolRTLfootfmt{#1}%
9504 \color@endgroup}%
9505 \m@mmf@prepare}
9506 \bidi@ensure@newcommand{\@preamtenfmt}{%
9507 \hspace .1\hspace
9508 \parindent=\z@
9509 \tolerance=5000\relax
9510 \leavevmode}
9511 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9512 \@preamtenfmt
9513 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9514 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9515 \@preamtenfmt
9516 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9517 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9518 \@preamtenfmt
9519 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9520 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9521 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9522 \unvbox\@mpfootinsv@r
9523 \def\baselinestretch{\m@m@footnote@spacing}%
9524 \reset@font\foottextfont
9525 \hspace\columnwidth \@parboxrestore
9526 \protected@edef\@currentlabel{%
9527 \csname p@mpfootnote\endcsname\@thefnmark}%
9528 \color@begingroup
9529 \@tencolfootfmt{#1}%
9530 \color@endgroup}%
9531 \m@mmf@prepare}
9532 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9533 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9534 \unvbox\@mpfootinsv@r
9535 \def\baselinestretch{\m@m@footnote@spacing}%
9536 \reset@font\LTRfoottextfont
9537 \hspace\columnwidth \@parboxrestore
9538 \if@RTLcolumnfootnotes\beginL\fi
9539 \protected@edef\@currentlabel{%
9540 \csname p@mpfootnote\endcsname\@thefnmark}%
9541 \color@begingroup
9542 \@tencolLTRfootfmt{#1}%
9543 \color@endgroup}%
9544 \m@mmf@prepare}
9545 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9546 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9547 \unvbox\@mpfootinsv@r
9548 \def\baselinestretch{\m@m@footnote@spacing}%
9549 \reset@font\RTLfoottextfont
9550 \hspace\columnwidth \@parboxrestore
9551 \protected@edef\@currentlabel{%

```



```

9552      \csname p@mpfootnote\endcsname\@thefnmark}%
9553      \color@begingroup
9554      \@tencolRTLfootfmt{#1}%
9555      \color@endgroup}%
9556      \m@mmf@prepare}
9557 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9558   \m@make@tencolfootnotetext{#1}%
9559   \m@make@mptencolfootnotetext{#1}%
9560   \m@make@tencolfootfmt{#1}%
9561   \m@make@tencol@footgroup{#1}%
9562   \m@make@mptencol@footgroup{#1}%
9563   \m@make@footstart{#1}%
9564   \bidi@namelongdef{\footnotetext#1}##1{%
9565     \@nameuse{\tencolfootnotetext#1}{##1}}%
9566   \bidi@namelongdef{\mpfootnotetext#1}##1{%
9567     \@nameuse{\mptencolfootnotetext#1}{##1}}%
9568   \@namedef{\footgroup#1}{\@nameuse{\tencol@footgroup#1}}%
9569   \@namedef{\mpfootgroup#1}{\@nameuse{\mptencol@footgroup#1}}%
9570   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9571   \expandafter\count\csname footins#1\endcsname=500\relax}
9572 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9573   \bidi@namelongdef{\tencolfootnotetext#1}##1{%
9574     \insert\@nameuse{\footins#1}{%
9575       \def\baselinestretch{\m@m@footnote@spacing}%
9576       \reset@font\@nameuse{\foottextfont#1}%
9577       \@preamfntext
9578       \protected@edef\@currentlabel{%
9579         \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
9580       \color@begingroup
9581       \@nameuse{\tencolfootfmt#1}{##1}%
9582       \color@endgroup}%
9583       \m@mmf@prepare}}
9584 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9585   \bidi@namelongdef{\mptencolfootnotetext#1}##1{%
9586     \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9587       \unvbox\@nameuse{\mpfootins#1}
9588       \def\baselinestretch{\m@m@footnote@spacing}%
9589       \reset@font\@nameuse{\foottextfont#1}%
9590       \hsize\columnwidth \parboxrestore
9591       \protected@edef\@currentlabel{%
9592         \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
9593       \color@begingroup
9594       \@nameuse{\tencolfootfmt#1}{##1}%
9595       \color@endgroup}\m@mmf@prepare}}
9596 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9597   \@namedef{\tencolfootfmt#1}##1{%
9598     \@preamtenfmt
9599     {\@nameuse{\footfootmark#1}\strut
9600      {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
9601 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%

```



```

g602 \@namedef{@tencol@footgroup#1}{%
g603   \def\baselinestretch{\m@m@footnote@spacing}%
g604   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g605   \m@r rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
g606 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
g607 \@namedef{@mptencol@footgroup#1}{%
g608   \def\baselinestretch{\m@m@footnote@spacing}%
g609   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g610   \m@r rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
g611 \bidi@ensure@newcommand{\m@munvxh}[1]{%
g612   \setbox0=\vbox{\unvbox#1%
g613     \global\setbox1=\lastbox}%
g614   \unhbox1
g615   \unskip
g616   \unskip
g617   \unpenalty
g618   \hskip\m@mipn@skip}
g619 \bidi@ensure@newcommand{\m@mungebox}{%
g620   \setbox0=\hbox{\m@munvxh0}%
g621   \dp0=\z@
g622   \ht0=\footfudgefactor\wd0
g623   \box0
g624   \penalty0}
g625 \newskip\m@mipn@skip
g626 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
g627   {\foottextfont\global\m@mipn@skip=#1\relax}}
g628 \m@minterparanoteglue{1em plus.4em minus.4em}
g629 \@ifpackageloaded{multicol}{%
g630 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g631   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g632   \hsize\textwidth%
g633   \setbox0=\hbox{}%
g634   \loop
g635     \unpenalty
g636     \setbox2=\lastbox
g637     \ifhbox2
g638       \setbox0=\hbox{\box2\unhbox0}
g639     \repeat}
g640 }{%
g641 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g642   \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g643   \setbox0=\hbox{}%
g644   \loop
g645     \unpenalty
g646     \setbox2=\lastbox
g647     \ifhbox2
g648       \setbox0=\hbox{\box2\unhbox0}
g649     \repeat}}
g650 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
g651   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}

```




```

9652 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9653 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9654   \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9655   \let\@footnotetext\@parafootnotetext
9656   \let\@LTRfootnotetext\@paraLTRfootnotetext
9657   \let\@RTLfootnotetext\@paraRTLfootnotetext
9658   \dimen\footinsv@r=\footinsdim
9659   \count\footinsv@r=1000\relax
9660   \m@make@para@footgroup{v@r}%
9661   \let\@footgroupv@r\@para@footgroupv@r
9662   \let\@mpfootnotetext\@mpparafootnotetext
9663   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9664   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9665   \m@make@mppara@footgroup{v@r}%
9666   \let\mp@footgroupv@r\@mppara@footgroupv@r
9667   {\def\baselinestretch{\m@m@footnote@spacing}%
9668    \foottextfont
9669    \dimen0=\baselineskip
9670    \multiply\dimen0 by 1024
9671    \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9672    \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9673 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9674   \let\bidi@RTL@everypar\@empty%
9675   \def\baselinestretch{\m@m@footnote@spacing}%
9676   \reset@font\foottextfont
9677   \@preamfntext
9678   \protected@edef\@currentlabel{%
9679     \csname p@footnote\endcsname\@thefnmark}%
9680   \setbox0=\vbox{\hsize=\maxdimen
9681     \color@begingroup
9682     \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9683     \color@endgroup}%
9684     \m@mungebox}\m@mmf@prepare}
9685 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9686   \let\bidi@RTL@everypar\@empty%
9687   \def\baselinestretch{\m@m@footnote@spacing}%
9688   \reset@font\LTRfoottextfont
9689   \@preamfntext
9690   \protected@edef\@currentlabel{%
9691     \csname p@footnote\endcsname\@thefnmark}%
9692   \setbox0=\vbox{\hsize=\maxdimen
9693     \color@begingroup
9694     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9695     \color@endgroup}%
9696     \m@mungebox}\m@mmf@prepare}
9697 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9698   \let\bidi@RTL@everypar\@empty%
9699   \def\baselinestretch{\m@m@footnote@spacing}%
9700   \reset@font\RTLfoottextfont
9701   \@preamfntext

```



```

9702 \protected@edef\@currentlabel{%
9703   \csname p@footnote\endcsname\@thefnmark}%
9704 \setbox0=\vbox{\hsize=\maxdimen
9705   \color@begingroup
9706     \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9707   \color@endgroup}%
9708 \m@mungebox}\m@mmf@prepare}
9709 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9710   \parindent=\z@
9711   \parfillskip=0pt \@plus 1fil
9712   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9713 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9714   \parindent=\z@
9715   \parfillskip=0pt \@plus 1fil
9716   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9717 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9718   \parindent=\z@
9719   \parfillskip=0pt \@plus 1fil
9720   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9721 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9722   \global\setbox\@mpfootinsv@r\vbox{%
9723     \let\bidi@RTL@everypar\@empty%
9724     \def\baselinestretch{\m@m@footnote@spacing}%
9725     \unvbox\@mpfootinsv@r
9726     \reset@font\foottextfont
9727     \hsize\columnwidth \@parboxrestore
9728     \protected@edef\@currentlabel{%
9729       \csname p@mpfootnote\endcsname\@thefnmark}%
9730     \setbox0=\vbox{\hsize=\maxdimen
9731       \color@begingroup
9732         \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9733       \color@endgroup}%
9734     \m@mungebox}\m@mmf@prepare}
9735 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9736   \global\setbox\@mpfootinsv@r\vbox{%
9737     \let\bidi@RTL@everypar\@empty%
9738     \def\baselinestretch{\m@m@footnote@spacing}%
9739     \unvbox\@mpfootinsv@r
9740     \reset@font\LTRfoottextfont
9741     \hsize\columnwidth \@parboxrestore
9742     \protected@edef\@currentlabel{%
9743       \csname p@mpfootnote\endcsname\@thefnmark}%
9744     \setbox0=\vbox{\hsize=\maxdimen
9745       \color@begingroup
9746         \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9747     \color@endgroup}%
9748   \m@mungebox}\m@mmf@prepare}
9749 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9750   \global\setbox\@mpfootinsv@r\vbox{%
9751     \let\bidi@RTL@everypar\@empty%

```



```

9752 \def\baselinestretch{\m@m@footnote@spacing}%
9753 \unvbox\@mpfootinsv@r
9754 \reset@font\RTLfoottextfont
9755 \hsize\columnwidth \@parboxrestore
9756 \protected@edef\@currentlabel{%
9757   \csname p@mpfootnote\endcsname\@thefnmark}%
9758 \setbox0=\vbox{\hsize=\maxdimen
9759   \color@begingroup
9760   \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9761   \color@endgroup}%
9762 \m@mungebox}\m@mmf@prepare}
9763 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9764   \m@make@parafootnotetext{#1}%
9765   \m@make@mpparafootnotetext{#1}%
9766   \m@make@parafootfmt{#1}%
9767   \m@make@para@footgroup{#1}%
9768   \m@make@mppara@footgroup{#1}%
9769   \m@make@para@footstart{#1}%
9770   \bidi@namelongdef{\@footnotetext#1}##1{%
9771     \@nameuse{\@parafootnotetext#1}{##1}}%
9772   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9773     \@nameuse{\@mpparafootnotetext#1}{##1}}%
9774   \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
9775   \@namedef{\mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
9776   \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
9777   \expandafter\count\csname footins#1\endcsname=\footinsdim
9778   \expandafter\count\csname footins#1\endcsname=1000\relax
9779   {\def\baselinestretch{\m@m@footnote@spacing}%
9780     \@nameuse{\foottextfont#1}%
9781     \dimen0=\baselineskip
9782     \multiply\dimen0 by 1024
9783     \divide\dimen0 by \hsize \multiply\dimen0 by 64
9784     \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9785 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9786   \bidi@namelongdef{\@parafootnotetext#1}##1{%
9787     \insert\@nameuse{\footins#1}{
9788       \def\baselinestretch{\m@m@footnote@spacing}%
9789       \reset@font\@nameuse{\foottextfont#1}%
9790       \@preamfntext
9791       \protected@edef\@currentlabel{%
9792         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9793       \setbox0=\vbox{\hsize=\maxdimen
9794         \color@begingroup
9795         \noindent \@nameuse{\@parafootfmt#1}{##1}%
9796         \color@endgroup}%
9797       \m@mungebox}\m@mmf@prepare}}
9798 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9799   \bidi@namelongdef{\@mpparafootnotetext#1}##1{%
9800     \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9801       \unvbox\@nameuse{\@mpfootins#1}

```



```

9802 \def\baselinestretch{\m@m@footnote@spacing}%
9803 \reset@font\@nameuse{foottextfont#1}%
9804 \hsize\columnwidth \@parboxrestore
9805 \protected@edef\@currentlabel{%
9806 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9807 \setbox0=\vbox{\hsize=\maxdimen
9808 \color@begingroup
9809 \noindent \@nameuse{@parafootfmt#1}{##1}%
9810 \color@endgroup}%
9811 \m@mungebox}\m@mmf@prepare}}
9812 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9813 \bidi@namelongdef{@parafootfmt#1}##1{%
9814 \parindent=\z@
9815 \parfillskip=0pt \@plus 1fil
9816 {\@nameuse{footfootmark#1}\strut
9817 {\@nameuse{foottextfont#1}##1}\penalty-10}}}%
9818 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9819 \@namedef{@para@footgroup#1}{%
9820 \unvbox\@nameuse{footins#1}
9821 \m@mmakehboxofhboxes
9822 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9823 \@parboxrestore%
9824 \def\baselinestretch{\m@m@footnote@spacing}%
9825 \@nameuse{foottextfont#1}%
9826 \noindent\unhbox0\par}}
9827 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9828 \@namedef{@mppara@footgroup#1}{%
9829 \unvbox\@nameuse{mpfootins#1}
9830 \m@mmakehboxofhboxes
9831 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9832 \def\baselinestretch{\m@m@footnote@spacing}%
9833 \@nameuse{foottextfont#1}%
9834 \noindent\unhbox0\par}}
9835 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9836 \@namedef{@para@footstart#1}{%
9837 \vskip\bigskipamount
9838 \leftskip=\z@
9839 \rightskip=\z@
9840 \parindent=\z@
9841 \vskip\skip\@nameuse{footins#1}%
9842 \footnoterule}}
9843 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9844 \xdef\@freelist{\@freelist\@midlist}%
9845 \global\let\@midlist\@empty
9846 \@combinefloats}
9847 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9848 \ifvbox\@kludgeins
9849 \@makespecialcolbox
9850 \else
9851 \setbox\@outputbox \vbox to\@colht{%

```



```

9852      \@texttop
9853      \dimen@ \dp\@outputbox
9854      \unvbox \@outputbox
9855      \vskip -\dimen@
9856      \@textbottom}%
9857  \fi}
9858  \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9859  \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9860    \boxmaxdepth\@maxdepth
9861    \@tempdima\dp\@cclv
9862    \unvbox\@cclv
9863    \vskip-\@tempdima
9864    \bidi@mopfn@bottom
9865    \vskip \skip\footins
9866    \color@begingroup
9867      \normalcolor
9868      \footnoterule
9869      \unvbox \footins
9870    \color@endgroup}}
9871  \newcommand*{\bidi@mopfootnotebf}{%
9872    \setbox\@outputbox \vbox{%
9873      \boxmaxdepth\@maxdepth
9874      \unvbox\@outputbox
9875      \bidi@mopfn@bottom
9876      \vskip\skip\footins
9877      \color@begingroup
9878        \normalcolor
9879        \footnoterule
9880        \unvbox \footins
9881      \color@endgroup}}
9882  \gdef\mem@m@makecol{%
9883    \m@m@makecolintro
9884    \ifvoid\footins
9885      \setbox\@outputbox \box\@cclv
9886    \else
9887      \m@mopfootnote
9888    \fi
9889    \m@m@doextrafeet
9890    \m@m@makecolfloats
9891    \m@m@makecoltext
9892    \global \maxdepth \@maxdepth}
9893  \gdef\bidi@makecolbf{%
9894    \m@m@makecolintro
9895    \setbox\@outputbox \box\@cclv
9896    \m@m@makecolfloats
9897    \ifvoid\footins
9898    \else
9899      \bidi@mopfootnotebf
9900    \fi
9901    \m@m@doextrafeet

```



```

9902 \m@m@makecoltext
9903 \global \maxdepth \@maxdepth}
9904 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@m@makecol}}
9905 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@m@makecolbf}}
9906 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
9907 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
9908 \FeetAboveFloat
9909 \FeetBelowRagged

```

7.56 extreport-xetex-bidi.def

```

9910 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9911 \renewcommand*\l@part[2]{%
9912 \ifnum \c@tocdepth >-2\relax
9913 \addpenalty{-\@highpenalty}%
9914 \addvspace{2.25em \@plus\p@}%
9915 \begingroup
9916 \setlength\@tempdima{3em}%
9917 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9918 \parfillskip -\@pnumwidth
9919 {\leavevmode
9920 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9921 \nobreak
9922 \global\@nobreaktrue
9923 \everypar{\global\@nobreakfalse\everypar{}}%
9924 \endgroup
9925 \fi}
9926 \renewcommand*\l@chapter[2]{%
9927 \ifnum \c@tocdepth >\m@ne
9928 \addpenalty{-\@highpenalty}%
9929 \vskip 1.0em \@plus\p@
9930 \setlength\@tempdima{1.5em}%
9931 \begingroup
9932 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9933 \parfillskip -\@pnumwidth
9934 \leavevmode \bfseries
9935 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9936 \hskip -\if@RTL\rightskip\else\leftskip\fi
9937 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9938 \penalty\@highpenalty
9939 \endgroup
9940 \fi}
9941 \def\@makechapterhead#1{%
9942 \vspace*{50\p@}%
9943 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9944 \ifnum \c@secnumdepth >\m@ne
9945 \huge\bfseries \@chapapp\space \thechapter
9946 \par\nobreak
9947 \vskip 20\p@
9948 \fi

```



```

9949 \interlinepenalty\@M
9950 \Huge \bfseries #1\par\nobreak
9951 \vskip 40\p@
9952 }}
9953 \def\@makeschapterhead#1{%
9954 \vspace*{50\p@}%
9955 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9956 \normalfont
9957 \interlinepenalty\@M
9958 \Huge \bfseries #1\par\nobreak
9959 \vskip 40\p@
9960 }}
9961 \renewcommand\left@footnoterule{%
9962 \kern-3\p@
9963 \hrule\@width.4\columnwidth
9964 \kern2.6\p@}
9965 \renewcommand\right@footnoterule{%
9966 \kern-3\p@
9967 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9968 \kern2.6\p@}
9969 \renewenvironment{thebibliography}[1]
9970 {\chapter*{\bibname
9971 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9972 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9973 \list{\@biblabel{\@arabic\c@enumiv}}%
9974 {\settowidth\labelwidth{\@biblabel{#1}}%
9975 \leftmargin\labelwidth
9976 \advance\leftmargin\labelsep
9977 \@openbib@code
9978 \usecounter{enumiv}%
9979 \let\p@enumiv\@empty
9980 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9981 \sloppy\clubpenalty4000\widowpenalty4000%
9982 \sfcode`.\@m}
9983 {\def\@noitemerr
9984 {\@latex@warning{Empty `thebibliography' environment}}%
9985 \endlist}
9986 \if@titlepage
9987 \renewcommand\maketitle{\begin{titlepage}%
9988 \let\footnotesize\small
9989 \let\right@footnoterule\relax
9990 \let\left@footnoterule\relax
9991 \let\textwidth\footnoterule\relax
9992 \let \footnote \thanks
9993 \null\vfil
9994 \vskip 60\p@
9995 \begin{center}%
9996 {\LARGE \@title \par}%
9997 \vskip 3em%
9998 {\large

```



```

9999      \lineskip .75em%
10000      \begin{tabular}[t]{c}%
10001          \@author
10002      \end{tabular}\par}%
10003      \vskip 1.5em%
10004      {\large \@date \par}%          % Set date in \large size.
10005  \end{center}\par
10006  \@thanks
10007  \vfil\null
10008  \end{titlepage}%
10009  \setcounter{footnote}{0}%
10010  \global\let\thanks\relax
10011  \global\let\maketitle\relax
10012  \global\let\@thanks\@empty
10013  \global\let\@author\@empty
10014  \global\let\@date\@empty
10015  \global\let\@title\@empty
10016  \global\let\title\relax
10017  \global\let\author\relax
10018  \global\let\date\relax
10019  \global\let\and\relax
10020 }
10021 \else
10022 \renewcommand\maketitle{\par
10023   \begingroup
10024     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10025     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10026     \long\def\@makefntext##1{\parindent 1em\noindent
10027       \hb@xt@1.8em{%
10028         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10029     \if@twocolumn
10030       \ifnum \col@number=\@ne
10031         \@maketitle
10032       \else
10033         \twocolumn[\@maketitle]%
10034       \fi
10035     \else
10036       \newpage
10037       \global\@topnum\z@    % Prevents figures from going at top of page.
10038       \@maketitle
10039     \fi
10040     \thispagestyle{plain}\@thanks
10041   \endgroup
10042   \setcounter{footnote}{0}%
10043   \global\let\thanks\relax
10044   \global\let\maketitle\relax
10045   \global\let\@maketitle\relax
10046   \global\let\@thanks\@empty
10047   \global\let\@author\@empty
10048   \global\let\@date\@empty

```




```

10049 \global\let\@title\@empty
10050 \global\let\title\relax
10051 \global\let\author\relax
10052 \global\let\date\relax
10053 \global\let\and\relax
10054 }
10055 \def\@maketitle{%
10056 \newpage
10057 \null
10058 \vskip 2em%
10059 \begin{center}%
10060 \let \footnote \thanks
10061 {\LARGE \@title \par}%
10062 \vskip 1.5em%
10063 {\large
10064 \lineskip .5em%
10065 \begin{tabular}[t]{c}%
10066 \@author
10067 \end{tabular}\par}%
10068 \vskip 1em%
10069 {\large \@date}%
10070 \end{center}%
10071 \par
10072 \vskip 1.5em}
10073 \fi
10074 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10075 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
10076 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
10077 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
10078 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
10079 \renewcommand\theequation{%
10080 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\cequation}
10081 \renewcommand\thefigure{%
10082 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\cfigure}
10083 \renewcommand\thetable{%
10084 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\ctable}

```

7.57 fancybox-xetex-bidi.def

```

10085 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
10086 \def\fancy@oval#1#2#3{%
10087 \boxmaxdepth \maxdimen
10088 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10089 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10090 \@ovxx#1\relax
10091 \advance\@ovxx-\@wholewidth
10092 \@ovyy#2\relax
10093 \advance\@ovyy-\@wholewidth
10094 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10095 \advance\@tempdimb-2\p@

```



```

10096 \ifdim\@tempdimb>\the@cornersize\relax
10097   \@tempdimb=\the@cornersize
10098 \fi
10099 \@getcirc\@tempdimb
10100 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10101 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10102 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10103 \@circlefnt
10104 \setbox\@tempboxa\hbox{\beginL%
10105   \if@ovr \@ovvert32\kern -\@tempdima \fi
10106   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10107   \if@ovt \@ovhorz \kern -\@ovxx \fi
10108   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10109 \advance\@ovdx\@ovro
10110 \advance\@ovdy\@ovro
10111 \advance\@ovxx\@wholewidth
10112 \wd\@tempboxa=\@ovxx
10113 \dp\@tempboxa=\z@}

```

7.58 fancyhdr-xetex-bidi.def

```

10114 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/09/12 v0.5 bidi adaptations for fancyhdr package for X
10115
10116 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10117   \@fancyvbox\headheight{\hbox
10118     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10119     \parbox[b]{\headwidth}{\centering#3}\hfill
10120     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10121
10122 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10123   \@fancyvbox\footskip{\footrule
10124     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10125     \parbox[t]{\headwidth}{\centering#3}\hfill
10126     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\}}#5}
10127

```

7.59 fix2col-xetex-bidi.def

```

10128 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
10129 \def\RTL@outputdblcol{%
10130   \if@firstcolumn
10131     \global\@firstcolumnfalse
10132     \global\setbox\@leftcolumn\copy\@outputbox
10133     \splitmaxdepth\maxdimen
10134     \vbadness\maxdimen
10135     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10136     \toks@ \expandafter{\topmark}%
10137     \xdef\@firstcoltopmark{\the\toks@}%
10138     \toks@ \expandafter{\splitfirstmark}%
10139     \xdef\@firstcolfirstmark{\the\toks@}%
10140     \ifx\@firstcolfirstmark\@empty

```



```

10141 \global\let\@setmarks\relax
10142 \else
10143 \gdef\@setmarks{%
10144 \let\firstmark\@firstcolfirstmark
10145 \let\topmark\@firstcoltopmark}%
10146 \fi
10147 \else \global\@firstcolumntrue
10148 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10149 \hskip \columnwidth
10150 \hfil \vrule width\columnseprule \hfil
10151 \hbox to\columnwidth {\box\@leftcolumn \hss}%
10152 \hskip -\textwidth
10153 \hbox to\columnwidth{\box\@outputbox \hss}%
10154 \hskip \columnsep
10155 \hskip \columnwidth }}%
10156 \@combinedblfloats \@setmarks \@outputpage
10157 \begingroup \@dblfloatplacement \@startdblcolumn
10158 \@whilsw\if@fcolmade \fi
10159 {\@outputpage \@startdblcolumn }\endgroup
10160 \fi}
10161 \def\LTR@outputdblcol{%
10162 \if@firstcolumn
10163 \global\@firstcolumnfalse
10164 \global\setbox\@leftcolumn\copy\@outputbox
10165 \splitmaxdepth\maxdimen
10166 \vbadness\maxdimen
10167 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10168 \toks@\expandafter{\topmark}%
10169 \xdef\@firstcoltopmark{\the\toks@}%
10170 \toks@\expandafter{\splitfirstmark}%
10171 \xdef\@firstcolfirstmark{\the\toks@}%
10172 \ifx\@firstcolfirstmark\@empty
10173 \global\let\@setmarks\relax
10174 \else
10175 \gdef\@setmarks{%
10176 \let\firstmark\@firstcolfirstmark
10177 \let\topmark\@firstcoltopmark}%
10178 \fi
10179 \else
10180 \global\@firstcolumntrue
10181 \setbox\@outputbox\vbox{%
10182 \hb@xt@\textwidth{%
10183 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10184 \hfil
10185 \vrule \@width\columnseprule
10186 \hfil
10187 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10188 \@combinedblfloats
10189 \@setmarks
10190 \@outputpage

```



```

10191 \begingroup
10192 \@dblfloatplacement
10193 \@startdblcolumn
10194 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10195 \endgroup
10196 \fi}

```

7.60 fleqn-xetex-bidi.def

```

10197 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10198 \renewcommand\[{ \relax
10199 \ifmmode\@badmath
10200 \else
10201 \begin{trivlist}%
10202 \@beginparpenalty\predisplaypenalty
10203 \@endparpenalty\postdisplaypenalty
10204 \item[]\leavevmode
10205 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10206 \hskip\mathindent\bgroup
10207 \fi}
10208 \renewcommand\]{ \relax
10209 \ifmmode
10210 \egroup $\hfil% $
10211 \endL\egroup
10212 \end{trivlist}%
10213 \else \@badmath
10214 \fi}
10215 \renewenvironment{equation}%
10216 {\@beginparpenalty\predisplaypenalty
10217 \@endparpenalty\postdisplaypenalty
10218 \refstepcounter{equation}%
10219 \trivlist \item[]\leavevmode
10220 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10221 \displaystyle
10222 \hskip\mathindent}%
10223 {$\hfil % $
10224 \displaywidth\linewidth\hbox{\@eqnnum}%
10225 \endL\egroup
10226 \endtrivlist}

```

7.61 float-xetex-bidi.def

```

10227 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX
10228 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@font #1:} #2}%
10229 \ifdim\wd\@tempboxa>\hsize {\@fs@font #1:} #2\par
10230 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10231 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10232 \expandafter\edef\csname the#1\endcsname{%
10233 \expandafter\noexpand\csname
10234 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10235 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```



7.62 floatrow-xetex-bidi.def

```
10236 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for
10237 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10238 \expandafter\edef\csname the\FB@captype\endcsname{%
10239 \expandafter\noexpand\csname
10240 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```

7.63 flowfram-xetex-bidi.def

```
10241 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for
10242 \def\@outputdblcol{%
10243 \@nxtcol=\c@thisframe
10244 \c@curpg=\c@page
10245 \@g@tnextcol{\@nxtcol}%
10246 \ifff@nwpg % next flow frame starts on new page
10247 \global\@firstcolumntrue
10248 \@setcolbox\c@thisframe
10249 \if@specialpage
10250 \global\@specialpagefalse
10251 \nameuse{ps@\@specialstyle}\relax
10252 \fi
10253 \if@twoside
10254 \ifodd\count\z@
10255 \let\@thehead\@oddhead
10256 \let\@thefoot\@oddfoot
10257 \else
10258 \let\@thehead\@evenhead
10259 \let\@thefoot\@evenfoot
10260 \fi
10261 \else
10262 \let\@thehead\@oddhead
10263 \let\@thefoot\@oddfoot
10264 \fi
10265 \@begindvi
10266 \@dodynamicthehead\@dodynamicthefoot
10267 \vbadness=\@M
10268 \setbox\@outputbox\ vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10269 \@combinedbfloats
10270 \@outputpage
10271 \advance\c@curpg by -\c@page\relax
10272 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10273 \setbox\@outputbox\ vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10274 \@outputpage}
10275 \begingroup
10276 \@dblfloatplacement
10277 \startdblcolumn
10278 \@whilesw \if@fcolmade \fi
10279 {\@outputpage \@startdblcolumn }\endgroup
10280 \@resetst@tics
10281 \@resetdyn@mics
```



```

10282 \else % still on same page, save contents of box255
10283   \global\@firstcolumnfalse
10284   \@setcolbox\c@thisframe
10285 \fi
10286 \global\c@thisframe=\@nxtcol
10287 \@setcol{\c@thisframe}\relax
10288 \global\@colht\vsiz
10289 }
10290 \def\@outputpage{%
10291   \begingroup
10292     \let\protect\noexpand
10293     \@resetactivechars
10294     \global\let\@@if@newlist@if@newlist
10295     \global\@newlistfalse\@parboxrestore
10296     \shipout\vbox{\set@typeset@protect
10297       \aftergroup
10298       \endgroup
10299       \aftergroup
10300       \set@typeset@protect
10301       \reset@font\normalsize\normalsfcodes
10302       \let\label\@gobble
10303       \let\index\@gobble
10304       \let\glossary\@gobble
10305       \baselineskip\z@skip
10306       \lineskip\z@skip
10307       \lineskiplimit\z@
10308       \vskip\topmargin\moveright\@themargin
10309       \vbox{%
10310         \vskip\headheight
10311         \vskip\headsep
10312         \box\@outputbox
10313       }}%
10314     \global\let@if@newlist\@@if@newlist
10315     \stepcounter{page}%
10316     \setcounter{displayedframe}{0}%
10317     \let\firstmark\botmark}
10318
10319
10320 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
10321   \expandafter\bidicolor\ff@txtcol}}
10322
10323 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10324 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10325
10326
10327 \renewcommand*{\@docolbox}[1]{%
10328 \edef\ff@frametype{%
10329 \csname @ff@frametype@\romannumeral#1\endcsname}%
10330 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10331 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%

```



```

10332 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
10333 \@ff@setoffset{#1}%
10334 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
10335 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
10336 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10337 {\csname colheight\romannumeral#1\endcsname}{%
10338 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10339 \csname\ff@frametype\endcsname}%
10340 }{%
10341 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10342 {\csname colheight\romannumeral#1\endcsname}{%
10343 \expandafter\box\csname column\romannumeral#1\endcsname}%
10344 }}}
10345 \@ifclassloaded{book}{%
10346 \renewcommand\theequation
10347 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10348 \renewcommand \thefigure
10349 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10350 \renewcommand \thetable
10351 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10352 \renewcommand \thechapter {\@arabic\c@chapter}
10353 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10354 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10355 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10356 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10357 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10358 \@ifclassloaded{report}{%
10359 \renewcommand\theequation
10360 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10361 \renewcommand \thefigure
10362 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10363 \renewcommand \thetable
10364 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10365 \renewcommand \thechapter {\@arabic\c@chapter}
10366 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10367 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10368 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10369 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10370 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10371 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10372 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10373 \else
10374 #2\relax
10375 \fi}

```

7.64 footnote-xetex-bidi.def

```

10376 \ProvidesFile{footnote-xetex-bidi.def}[2016/09/09 v1.0 bidi footnote macros for XeTeX engine]
10377 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10378 \newif\ifbidi@autofootnoterule

```



```

10379 \def\bidimpfootnoterule{\footnoterule}
10380 \newcounter{footdir@label}
10381 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
10382 \newcommand*{\footdir@write}{%
10383   \stepcounter{footdir@label}%
10384   \zref@labelbyprops{\thefootdir@label}{abspage}%
10385 }
10386 \newif\iffootdir@debug
10387 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10388 \newtoks\footdir@toks
10389 \newcommand*{\footdir@debug}[1]{%
10390   \iffootdir@debug
10391     \typeout{[footdir] #1}%
10392   \fi
10393 }
10394 %\ifpackagelater{\zref-abspage}{2012/10/27}{%
10395 %   \newcommand*{\footdir@LeftRightElse}{%
10396 %     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10397 %       \footdir@debug{abspage \the\value{zabspage}: else}%
10398 %       \ltx@thirdofthree
10399 %     }{%
10400 %       \if\csname footdir@the\value{zabspage}\endcsname L%
10401 %         \footdir@debug{abspage \the\value{zabspage}: left}%
10402 %         \expandafter\ltx@firstofthree
10403 %       \else
10404 %         \footdir@debug{abspage \the\value{zabspage}: right}%
10405 %         \expandafter\ltx@secondofthree
10406 %       \fi
10407 %     }%
10408 %   }%
10409 %}{%
10410 \providecommand*{\c@zabspage}{\c@abspage}%
10411 \newcommand*{\footdir@LeftRightElse}{%
10412   \footdir@write
10413   \zifrefundefined{\thefootdir@label}{%
10414     \footdir@debug{abspage ??: else}%
10415     \ltx@thirdofthree
10416   }{%
10417     \edef\footdir@abspage{%
10418       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10419     }%
10420     \ltx@ifundefined{footdir@\footdir@abspage}{%
10421       \footdir@debug{\footdir@abspage: else}%
10422       \ltx@thirdofthree
10423     }{%
10424       \if\csname footdir@\footdir@abspage\endcsname L%
10425         \footdir@debug{\footdir@abspage: left}%
10426         \expandafter\ltx@firstofthree
10427       \else
10428         \footdir@debug{\footdir@abspage: right}%

```




```

10429         \expandafter\ltx@secondofthree
10430         \fi
10431     }%
10432 }%
10433 }%
10434 %}
10435 \newcommand*{\footdir@fntext}[1]{%
10436     \zifrefundefined{\thefootdir@label}{%
10437     }{%
10438         \edef\footdir@name{%
10439             footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
10440         }%
10441         \@ifundefined{\footdir@name}{%
10442             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10443         }{%
10444         }%
10445     }
10446 }
10447 \newcommand*{\footdir@temp}[3]{%
10448     \@ifdefinable{#1}{%
10449         \let#1#2%
10450         \renewcommand{#2}[1]{%
10451             \footdir@write
10452             \footdir@fntext{#3}%
10453             \stepcounter{footdir@label}%
10454             \footdir@fntext{#3}%
10455             \footdir@toks{##1}%
10456             \footdir@toks\expandafter{%
10457                 \the\expandafter\footdir@toks
10458                 \expandafter
10459                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10460             }%
10461             \expandafter#1\expandafter{\the\footdir@toks}%
10462         }%
10463     }%
10464 }
10465 }
10466 \def\right@footnoterule{%
10467     \kern-3\p@
10468     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10469     \kern2.6\p@}
10470 \def\left@footnoterule{\kern-3\p@
10471     \hrule \@width .4\columnwidth \kern 2.6\p@}
10472 \def\textwidth@footnoterule{\kern-3\p@
10473     \hrule \@width \columnwidth \kern 2.6\p@}
10474 \def\leftfootnoterule{%
10475     \bidi@autofootnoterulefalse%
10476     \def\footnoterule{\left@footnoterule}}
10477 \let\LRfootnoterule=\leftfootnoterule
10478 \def\rightfootnoterule{%

```



```

10479 \bidi@autofootnoterulefalse%
10480 \def\footnoterule{\right@footnoterule}}
10481 \def\textwidthfootnoterule{%
10482 \bidi@autofootnoterulefalse%
10483 \def\footnoterule{\textwidth@footnoterule}}
10484
10485
10486
10487 \def\auto@footnoterule{%
10488 \footdir@LeftRightElse%
10489 \left@footnoterule%
10490 \right@footnoterule%
10491 \left@footnoterule%
10492 }
10493
10494
10495
10496 \def\autofootnoterule{%
10497 \bidi@autofootnoteruletrue%
10498 \def\footnoterule{\auto@footnoterule}%
10499 }
10500
10501 \newcommand*\SplitFootnoteRule{%
10502   \gdef\split@prev{0}
10503   \let\pagefootnoterule\footnoterule
10504   \let\mpfootnoterule\footnoterule
10505   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10506   \def\footnoterule{\relax
10507     \ifx \@listdepth\@mplistdepth
10508       \mpfootnoterule
10509     \else
10510       \ifnum\split@prev=\z@
10511         \pagefootnoterule
10512       \else
10513         \splitfootnoterule
10514       \fi
10515       \xdef\split@prev{\the\insertpenalties}%
10516     \fi
10517   }%
10518 }
10519
10520
10521
10522
10523 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10524   \protected\xdef\@thefnmark{\thempfn}%
10525   \@footnotemark\@RTLfootnotetext}}
10526 \def\@xRTLfootnote[#1]{%
10527   \begingroup
10528     \csname c@\@mpfn\endcsname #1\relax

```



```

10529     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10530 \endgroup
10531 \footnotemark\@RTLfootnotetext}
10532 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10533     \protected@xdef\@thefnmark{\thempfn}%
10534     \footnotemark\@LTRfootnotetext}}
10535 \def\@xLTRfootnote[#1]{%
10536     \begingroup
10537     \csname c@\@mpfn\endcsname #1\relax
10538     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10539     \endgroup
10540     \footnotemark\@LTRfootnotetext}
10541
10542
10543 \def\setfootnoteRL{\@RTLfootnotetrue}
10544 \def\unsetfootnoteRL{\@RTLfootnotefalse}
10545 \def\setfootnoteLR{\unsetfootnoteRL}
10546
10547 \long\def\@footnotetext#1{\insert\footins{%
10548     \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10549     \reset@font\footnotesize
10550     \interlinepenalty\interfootnotelinepenalty
10551     \splittopskip\footnotesep
10552     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10553     \hsize\columnwidth \parboxrestore
10554     \protected@edef\@currentlabel{%
10555         \csname p@footnote\endcsname\@thefnmark
10556     }%
10557     \color@begingroup
10558     \@makefntext{%
10559         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10560     \color@endgroup}}%
10561
10562
10563 \long\def\@RTLfootnotetext#1{\insert\footins{%
10564     \@RTLtrue%
10565     \reset@font\footnotesize
10566     \interlinepenalty\interfootnotelinepenalty
10567     \splittopskip\footnotesep
10568     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10569     \hsize\columnwidth \parboxrestore
10570     \protected@edef\@currentlabel{%
10571         \csname p@footnote\endcsname\@thefnmark
10572     }%
10573     \color@begingroup
10574     \@makefntext{%
10575         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10576     \color@endgroup}}%
10577
10578 \long\def\@LTRfootnotetext#1{\insert\footins{%

```



```

10579 \RTLfalse%
10580 \reset@font\footnotesize
10581 \interlinepenalty\interfootnotelinepenalty
10582 \splittopskip\footnotesep
10583 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10584 \hsize\columnwidth \@parboxrestore
10585 \protected@edef\@currentlabel{%
10586 \csname p@footnote\endcsname\@thefnmark
10587 }%
10588 \color@begingroup
10589 \makefntext{%
10590 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10591 \color@endgroup}}%
10592
10593 \AtBeginDocument{%
10594 \if@RTL@footnote
10595 \newcommand*{\bidi@footdir@footnote}{R}
10596 \else
10597 \newcommand*{\bidi@footdir@footnote}{L}
10598 \fi%
10599 }
10600
10601 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10602 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10603 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10604
10605 \long\def\@mpRTLfootnotetext#1{%
10606 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10607 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10608 \unvbox\@mpfootins
10609 \reset@font\footnotesize
10610 \hsize\columnwidth
10611 \@parboxrestore
10612 \protected@edef\@currentlabel
10613 {\csname p@mpfootnote\endcsname\@thefnmark}%
10614 \color@begingroup
10615 \makefntext{%
10616 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10617 \color@endgroup}}
10618 \long\def\@mpLTRfootnotetext#1{%
10619 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10620 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10621 \unvbox\@mpfootins
10622 \reset@font\footnotesize
10623 \hsize\columnwidth
10624 \@parboxrestore
10625 \protected@edef\@currentlabel
10626 {\csname p@mpfootnote\endcsname\@thefnmark}%
10627 \color@begingroup
10628 \makefntext{%

```



```

10629         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10630     \color@endgroup}}
10631 \long\def\@mpfootnotetext#1{%
10632 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\@bidi@mpfootnoterule
10633 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10634     \unvbox\@mpfootins
10635     \reset@font\footnotesize
10636     \hsize\columnwidth
10637     \@parboxrestore
10638     \protected@edef\@currentlabel
10639         {\csname p@mpfootnote\endcsname\@thefnmark}%
10640     \color@begingroup
10641     \@makefnmark{\rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10642     \color@endgroup}}
10643 \def\@iiiminipage#1#2[#3]#4{%
10644 \leavevmode
10645 \@pboxswfalse
10646 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10647 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10648 \setlength\@tempdima{#4}%
10649 \def\@mpargs{#{1}#{2}#{3}#{4}}%
10650 \setbox\@tempboxa\vbox\bgroup
10651 \color@begingroup
10652 \hsize\@tempdima
10653 \textwidth\hsize \columnwidth\hsize
10654 \@parboxrestore
10655 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10656 \let\@footnotetext\@mpfootnotetext
10657 \let\@LTRfootnotetext\@mpLTRfootnotetext
10658 \let\@RTLfootnotetext\@mpRTLfootnotetext
10659 \let\@listdepth\@mplistdepth \@mplistdepth\z@
10660 \let\@minipagerestore
10661 \let\@setminipage}
10662 \def\endminipage{%
10663 \par
10664 \unskip
10665 \ifvoid\@mpfootins\else
10666 \vskip\skip\@mpfootins
10667 \normalcolor
10668 \bidi@mpfootnoterule
10669 \unvbox\@mpfootins
10670 \fi
10671 \@minipagefalse %% added 24 May 89
10672 \color@endgroup
10673 \egroup
10674 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10675 \def\LTRthanks#1{\footnotemark
10676 \protected@xdef\@thanks{\@thanks
10677 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%

```



```

10679 }
10680 \def\LTRfootnotetext{%
10681     \ifnextchar [\@xLTRfootnotenext
10682         {\protected@xdef\@thefnmark{\thempfn}%
10683         \LTRfootnotetext}}
10684 \def\@xLTRfootnotenext[#1]{%
10685     \begingroup
10686         \csname c@\mpfn\endcsname #1\relax
10687         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10688     \endgroup
10689     \@LTRfootnotetext}
10690 \def\RTLthanks#1{\footnotemark
10691     \protected@xdef\@thanks{\@thanks
10692         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10693 }
10694 \let\@thanks\@empty
10695 \def\RTLfootnotetext{%
10696     \ifnextchar [\@xRTLfootnotenext
10697         {\protected@xdef\@thefnmark{\thempfn}%
10698         \RTLfootnotetext}}
10699 \def\@xRTLfootnotenext[#1]{%
10700     \begingroup
10701         \csname c@\mpfn\endcsname #1\relax
10702         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10703     \endgroup
10704     \@RTLfootnotetext}
10705 \leftfootnoterule

```

7.65 framed-xetex-bidi.def

```

10706 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10707 \renewcommand\TitleBarFrame[3][\begingroup
10708     \ifx\delimiter#1\delimiter
10709         \let\TF@conlab\@empty
10710     \else
10711         \def\TF@conlab{% continuation label
10712             \nointerlineskip
10713             \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
10714     \fi
10715     %\let\TF@savecolor\current@color
10716     \textcolor{TFFrameColor}{%
10717         \CustomFBox
10718         {\TF@Title{#2}}{\TF@conlab}%
10719         \fbboxrule\fbboxrule\fbboxrule\fbboxrule
10720         %{\let\current@color\TF@savecolor\set@color #3}%
10721         {\normalcolor #3}%
10722     }\endgroup
10723 }
10724 \renewenvironment{titled-frame}[1]{%
10725     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt

```



```

10726 \TitleBarFrame{\textbf{#1}}}%
10727 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10728 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10729 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10730 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}}
10731 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10732 \TitleBarFrame{\textbf{#1\ (cont)}}}%
10733 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10734 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10735 % could interfere with the width measurement.
10736 {\endMakeFramed}
10737 \chardef\FrameRestore=\catcode`\| % for debug
10738 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10739 \def\fb@put@frame#1#2{\relax
10740 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10741 | \message{===== Entering putframe =====~^J
10742 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10743 \ifinner
10744 \fb@putboxa#1%
10745 \fb@afterframe
10746 \else
10747 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10748 \ifdim\dimen@<2\baselineskip % Too little room on page
10749 | \message{Page has only \the\dimen@ space room left; eject. }%
10750 \eject \fb@adjheight \fb@put@frame#1#2%
10751 \else % there's appreciable room left on the page
10752 \fb@sizeofframe#1%
10753 | \message{\string\pagetotal=\the\pagetotal,
10754 | \string\pagegoal=\the\pagegoal,
10755 | \string\pagestretch=\the\pagestretch,
10756 | \string\pageshrink=\the\pageshrink,
10757 | \string\fb@frh=\the\fb@frh. \space}
10758 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10759 \begingroup % temporarily set \dimen@ to be...
10760 \advance\dimen@.8\pageshrink % maximum space available on page
10761 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10762 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10763 \expandafter\endgroup
10764 % expand \ifdim, then restore \dimen@ to real room left on page
10765 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10766 | \message{fits in \the\dimen@. }%
10767 % ToDo: Change this to use vsplit anyway to capture the marks
10768 % MERGE THIS WITH THE else CLAUSE!!!
10769 \fb@putboxa#1%
10770 \fb@afterframe
10771 \else % box must be split
10772 | \message{must be split to fit in \the\dimen@. }%
10773 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10774 \fb@sizeofframe#2%
10775 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:

```



```

10776         \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10777         \kern137sp\kern-137sp\penalty-30
10778         \unvbox\@tempboxa}%
10779         \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10780             \splittopskip\the\splittopskip}%
10781         \boxmaxdepth\z@ \splittopskip\z@
10782 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10783         % Split box here
10784         \setbox\tw@\vsplit\@tempboxa to\dimen@
10785 |         \toks99\expandafter{\splitfirstmark}%
10786 |         \toks98\expandafter{\splitbotmark}%
10787 |         \message{Marks are: \the\toks99, \the\toks98. }%
10788         \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10789 |         \message{Natural height of split box is \the\ht\tw@, leaving
10790 |             \the\ht\@tempboxa\space remainder. }%
10791         % If the split-to size > (\vsize-\topskip), then set box to full size.
10792         \begingroup
10793         \advance\dimen@\topskip
10794         \expandafter\endgroup
10795         \ifdim\dimen@>\pagegoal
10796 |         \message{Frame is big -- Use up the full column. }%
10797         \dimen@ii\pagegoal
10798         \advance\dimen@ii -\topskip
10799         \advance\dimen@ii \FrameHeightAdjust\relax
10800         \else % suspect this is implemented incorrectly:
10801         % If the split-to size > feasible room_on_page, rebox it smaller.
10802         \advance\dimen@.8\pageshrink
10803         \ifdim\ht\tw@>\dimen@
10804 |         \message{Box too tall; rebox it to \the\dimen@. }%
10805         \dimen@ii\dimen@
10806         \else % use natural size
10807         \dimen@ii\ht\tw@
10808         \fi
10809         \fi
10810         % Re-box contents to desired size \dimen@ii
10811         \advance\dimen@ii -\fb@frh
10812         \setbox\tw@\vbox to\dimen@ii \bgroup
10813         % remove simulated frame and page flexibility:
10814         \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10815         \unvbox\tw@ \unpenalty\unpenalty
10816         \ifdim\lastkern=-137sp % whole box went to next page
10817 |         \message{box split at beginning! }%
10818         % need work here???
10819         \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10820         \fb@adjheight
10821         \fb@put@frame#1#2% INSERTED ???
10822         \else % Got material split off at the head
10823         \egroup \fb@resto@set
10824         \ifvoid\@tempboxa % it all fit after all
10825 |         \message{box split at end! }%

```




```

10826         \setbox\@tempboxa\box\tw@
10827         \fb@putboxa#1%
10828         \fb@afterframe
10829         \else % it really did split
10830 |       \message{box split as expected. Its reboxed height is \the\ht\tw@.}%
10831         \ifdim\wd\tw@>\z@
10832         \wd\tw@\wd\@tempboxa
10833         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10834         \else
10835 |       \message{Zero width means likely blank. Don't frame it (guess)}%
10836         \box\tw@
10837         \fi
10838         \hrule \@height\z@ \@width\hsize
10839         \eject
10840         \fb@adjheight
10841         \fb@put@frame\LastFrameCommand\MidFrameCommand
10842     \fi\fi\fi\fi\fi
10843 }
10844 \def\fb@putboxa#1{%
10845     \ifvoid\@tempboxa
10846         \PackageWarning{framed}{Boxa is void -- discard it.}%
10847     \else
10848 |     \message{Frame and place boxa.}%
10849 |     %{\showoutput\showbox\@tempboxa}%
10850     \centerline{#1{\hboxL{\box\@tempboxa}}}%
10851     \fi
10852 }
10853 \catcode`\|=\FrameRestore
10854 \def\FrameRestore{%
10855     \let\if@nobreak\iffalse
10856     \let\if@noskipsec\iffalse
10857     \let\-\@dischph
10858     \let'\@acci\let\`@accii\let\=\@acciii
10859     % \message{FrameRestore:
10860     %     \@totalleftmargin=\the \@totalleftmargin,
10861     %     \rightmargin=\the\rightmargin,
10862     %     \@listdepth=\the\@listdepth.}%
10863     % Test if we are in a list (or list-like paragraph)
10864     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10865         \ifdim\rightmargin>\z@ 1\fi
10866         \ifnum\@listdepth>\z@ 1\fi 0>\z@
10867     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10868     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10869     %     \labelwidth=\the\labelwidth.}%
10870     \setminipage % snug fit around the item
10871     % Now try to propagate changes of width from \hsize to list parameters.
10872     % This is deficient, but a more advanced way to indicate modification to text
10873     % dimensions is not (yet) provided; in particular, no separate left/right
10874     % adjustment.
10875     \advance\linewidth-\columnwidth \advance\linewidth\hsize

```



```

10876 \parshape\@ne \@totalleftmargin \linewidth
10877 \else % Not in list
10878 \linewidth=\hsize
10879 %\message{No list, set \string\linewidth=\the\hsize. }%
10880 \fi
10881 \sloppy
10882 }

```

7.66 ftnright-xetex-bidi.def

```

10883 \ProvidesFile{ftnright-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for ftnright package for
10884
10885 \def\LTR@outputdblcol{%
10886 \if@firstcolumn
10887 \global\@firstcolumnfalse
10888 \global\setbox\@leftcolumn\copy\@outputbox
10889 \global\count\footins\@m
10890 \global\skip\footins\rcol\footinsskip
10891 \splitmaxdepth\maxdimen
10892 \vbadness\maxdimen
10893 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10894 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10895 \toks@\expandafter{\topmark}%
10896 \xdef\@firstcoltopmark{\the\toks@}%
10897 \toks@\expandafter{\splitfirstmark}%
10898 \xdef\@firstcolfirstmark{\the\toks@}%
10899 \ifx\@firstcolfirstmark\@empty
10900 \global\let\@setmarks\relax
10901 \else
10902 \gdef\@setmarks{%
10903 \let\firstmark\@firstcolfirstmark
10904 \let\topmark\@firstcoltopmark}%
10905 \fi
10906 \else
10907 \preparefootins
10908 \global\@firstcolumntrue
10909 \setbox\@outputbox\vbox{%
10910 \hb@xt@\textwidth{%
10911 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10912 \hfil
10913 {\normalcolor\vrule \@width\columnseprule}%
10914 \hfil
10915 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10916 \@combinedblfloats
10917 \@setmarks
10918 \@outputpage
10919 \begingroup
10920 \@dblfloatplacement
10921 \@startdblcolumn
10922 \@whiles\if@fcolmade \fi{\@outputpage

```



```

10923     \@startdblcolumn}%
10924     \endgroup
10925   \fi}%
10926
10927
10928
10929 \def\RTL@outputdblcol{%
10930   \if@firstcolumn
10931     \global\@firstcolumnfalse
10932     \global\setbox\@leftcolumn\copy\@outputbox
10933     \global\count\footins\@m
10934     \global\skip\footins\rcol@footinsskip
10935     \splitmaxdepth\maxdimen
10936     \vbadness\maxdimen
10937     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10938     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10939     \toks@\expandafter{\topmark}%
10940     \xdef\@firstcoltopmark{\the\toks@}%
10941     \toks@\expandafter{\splitfirstmark}%
10942     \xdef\@firstcolfirstmark{\the\toks@}%
10943     \ifx\@firstcolfirstmark\@empty
10944       \global\let\@setmarks\relax
10945     \else
10946       \gdef\@setmarks{%
10947         \let\firstmark\@firstcolfirstmark
10948         \let\topmark\@firstcoltopmark}%
10949     \fi
10950   \else
10951     \preparefootins
10952     \global\@firstcolumntrue
10953     \setbox\@outputbox\vbox{%
10954       \hb@xt@\textwidth{%
10955         \hskip \columnwidth
10956         \hfil
10957         {\normalcolor\vrule \@width\columnseprule}%
10958         \hfil
10959         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10960         \hskip -\textwidth
10961         \hb@xt@\columnwidth{\box\@outputbox \hss}%
10962         \hskip \columnsep
10963         \hskip \columnwidth }}%
10964     \@combinedblfloats
10965     \@setmarks
10966     \@outputpage
10967     \begingroup
10968       \@dblfloatplacement
10969       \@startdblcolumn
10970       \@whilesw\if@fcolmade \fi{\@outputpage
10971         \@startdblcolumn}%
10972     \endgroup

```



```

10973 \fi}%
10974
10975
10976
10977 \let\leftfootnoterule\@empty
10978 \let\rightfootnoterule\@empty
10979 \let\textwidthfootnoterule\@empty
10980 \let\autofootnoterule\@empty
10981 \let\footnoterule\@empty
10982 \long\def\@makefntext#1{\parindent 1em
10983 \noindent\hbox to 2em{}}
10984 \llap{\@thefnmark\hbox{.}\,.\,}\,}#1}

```

```

10985 \ProvidesFile{graphics-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10986 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10987   \Grot@setangle{#1}%
10988   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10989   \Grot@x\z@
10990   \Grot@y\z@
10991   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10992 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10993   \leavevmode
10994   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10995   \setbox\z@\hbox{#3}%
10996   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10997   \ifdim#2\p<\z@
10998     \ht\tw@-#2\dp\z@
10999     \dp\tw@-#2\ht\z@
11000   \else
11001     \ht\tw@#2\ht\z@
11002     \dp\tw@#2\dp\z@
11003   \fi
11004   \ifdim#1\p<\z@
11005     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11006   \else
11007     \wd\tw@#1\wd\z@
11008     \box\tw@
11009   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11010 \def\Gin@iii[#1,#2][#3,#4]#5{%
11011   \begingroup
11012   \ifmmode\else\if@RTL\beginL\fi\fi
11013   \Gin@bboxtrue
11014   \Gin@defaultbp\Gin@llx{#1}%
11015   \Gin@defaultbp\Gin@lly{#2}%
11016   \Gin@defaultbp\Gin@urx{#3}%
11017   \Gin@defaultbp\Gin@ury{#4}%
11018   \Gin@includegraphics{#5}%
11019   \ifmmode\else\if@RTL\endL\fi\fi

```

```

11020 \endgroup}
11021 \def\Gin@ii[#1]#2{%
11022   \def\@tempa{[]}\def\@tempb{#2}%
11023   \ifx\@tempa\@tempb
11024     \def\@tempa{\Gin@iii[#1] []}%
11025     \expandafter\@tempa
11026   \else
11027     \beginingroup
11028     \ifmmode\else\if@RTL\beginL\fi\fi
11029     \@tempswafalse
11030     \toks@{\Gininclude@graphics{#2}}%
11031     \setkeys{Gin}{#1}%
11032     \Gin@esetsize
11033     \the\toks@
11034     \ifmmode\else\if@RTL\endL\fi\fi
11035   \endgroup
11036   \fi}
11037 \def\reflectbox{\bidiGscale@box-1[1]}
11038 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11039   \leavevmode
11040   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11041   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11042   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11043   \ifdim#2\p<\z@
11044     \ht\tw@-#2\dp\z@
11045     \dp\tw@-#2\ht\z@
11046   \else
11047     \ht\tw@#2\ht\z@
11048     \dp\tw@#2\dp\z@
11049   \fi
11050   \ifdim#1\p<\z@
11051     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11052   \else
11053     \wd\tw@#1\wd\z@
11054     \box\tw@
11055   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11056 \def\scalebox#1{%
11057   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11058 \def\resizebox{%
11059   \leavevmode
11060   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11061 \def\bidiGscale@@box#1#2#3{%
11062   \let\@tempa\Gin@exclamation
11063   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11064   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11065   \ifx\@tempb\@tempa
11066     \ifx\@tempc\@tempa
11067       \toks@{\mbox}%
11068     \else
11069       \toks@{\bidiGscale@box@dd{#3}#1}%

```



```

11070 \fi
11071 \else
11072 \ifx\@tempc\@tempa
11073 \toks@{\bidiGscale@box@odd{#2}\width}%
11074 \else
11075 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11076 \fi
11077 \fi
11078 \the\toks@}
11079 \long\def\bidiGscale@box@odd#1#2#3{%
11080 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
11081 \setlength\@tempdima{#1}%
11082 \setlength\@tempdimb{#2}%
11083 \Gscale@div\@tempa\@tempdima\@tempdimb
11084 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11085 \end@tempboxa}
11086 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11087 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
11088 \setlength\@tempdima{#1}%
11089 \setlength\@tempdimb{#2}%
11090 \Gscale@div\@tempa\@tempdima\@tempdimb
11091 \setlength\@tempdima{#3}%
11092 \setlength\@tempdimb{#4}%
11093 \Gscale@div\@tempb\@tempdima\@tempdimb
11094 \ifGin@iso
11095 \ifdim\@tempa\p>\@tempb\p@
11096 \let\@tempa\@tempb
11097 \else
11098 \let\@tempb\@tempa
11099 \fi
11100 \fi
11101 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11102 \end@tempboxa}

```

7.68 geometry-xetex-bidi.def

```

11103 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
11104 \renewcommand*\Gm@vrules@mpi}{%
11105 \if@RTLmain%
11106 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11107 \llap{\Gm@vrule}\ignorespaces
11108 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11109 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11110 \else%
11111 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11112 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11113 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11114 \renewcommand*\Gm@vrules@mpii}{%
11115 \if@RTLmain%
11116 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces

```



```

11117 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11118 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11119 \else%
11120 \hb@xt@{\@tempdimaf\hskip-\marginparwidth\hskip-\marginparsep
11121 \llap{\Gm@vrule}\ignorespaces
11122 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11123 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11124

```

7.6g hvfloat-xetex-bidi.def

```

11125 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
11126 \def\do@hvFloat[#1]#2#3{%
11127 \def\hv@shortCap{#1}
11128 \def\hv@longCap{#2}
11129 \def\hv@label{#3}
11130 %\newcommand*{\hvFloat}[5][[]]{%
11131 % [#1]: keyvalues
11132 % #2: type figure | table | ...
11133 % #3: float contents
11134 % [#4]: short caption
11135 % #5: caption
11136 % #6: label
11137 % \setDefault%
11138 % \def\@tempa{#1}%
11139 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11140 \def\@tempa{90}%
11141 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11142 \else \setlength{\hvMaxCapWidth}{\linewidth}
11143 \fi
11144 %
11145 % First we save the object in \hvObjectBox
11146 %
11147 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11148 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11149 \else
11150 \savebox{\hvObjectBox}{%
11151 \rotatebox{\hvSet@objectAngle}{%
11152 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11153 \fi
11154 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11155 %
11156 % Now we save the caption with its defined \hvCapWidth
11157 %
11158 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11159 \else
11160 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11161 \else
11162 \setlength{\hvCapWidth}{\hvObjectWidth}
11163 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi

```



```

11164 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11165 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11166 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11167 \else
11168 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11169 \fi
11170 \fi
11171 \fi
11172 %
11173 % now we have the object and the caption with the right
11174 % rotated angles saved in boxes
11175 %
11176 \def\fps@figure{\hvSet@floatPos}
11177 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11178 \else \begin{\hv@floatType}% Start the floating environment
11179 \fi%
11180 \saveCaptionSkip% we put this space ourselves
11181 \ifx\hvSet@capAngle\hv@Width % need rotation?
11182 \sbox{\hvCaptionBox}{%
11183 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11184 \ifhv@nonFloat%
11185 \ifhv@onlyText#2%
11186 \else%
11187 \ifx\hv@floatType\hv@figure
11188 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11189 \else
11190 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11191 \fi
11192 \fi
11193 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
11194 \fi%
11195 \label{#3}%
11196 \end{minipage}%
11197 }%
11198 \else%
11199 \sbox{\hvCaptionBox}{%
11200 \rotatebox{\hvSet@capAngle}{%
11201 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11202 \ifhv@nonFloat%
11203 \ifhv@onlyText#2%
11204 \else%
11205 \ifx\hv@floatType\hv@figure
11206 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
11207 \else
11208 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
11209 \fi
11210 \fi
11211 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
11212 \fi%
11213 \label{#3}%

```




```

11214     \end{minipage}%
11215     }%
11216     }%
11217     \fi%
11218 %%
11219     \restoreCaptionSkip% save old values
11220     \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11221     \else%
11222         \ifx\hvSet@objectPos\hv@Center
11223             \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11224         \fi%
11225     \fi%
11226 %
11227 % to rotate object and caption together, we save all in another box
11228 % the caption comes first, if its on the left or the top
11229 %
11230     \savebox{\@tempboxa}{%
11231     \ifx\hvSet@capPos\hv@Left % caption on left side
11232     \if@RTL%
11233     \ifx\hvSet@capVPos\hv@Center%
11234     \ifhv@fbox
11235     \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11236     \else
11237     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11238     \fi%
11239     \hspace{\hvSet@floatCapSep pt}%
11240     \ifhv@fbox
11241     \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11242     \else
11243     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11244     \fi%
11245     \else%
11246     \ifx\hvSet@capVPos\hv@Top
11247     \ifhv@fbox
11248     \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11249     \else
11250     \raisebox{-\height}{\usebox{\hvObjectBox}}%
11251     \fi%
11252     \hspace{\hvSet@floatCapSep pt}%
11253     \ifhv@fbox
11254     \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11255     \else
11256     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11257     \fi
11258     \else
11259     \ifhv@fbox
11260     \fbox{\usebox{\hvObjectBox}}%
11261     \else
11262     \usebox{\hvObjectBox}%
11263     \fi

```



```

11264 \hspace{\hvSet@floatCapSep pt}%
11265 \ifhv@fbox
11266 \fbox{\usebox{\hvCaptionBox}}%
11267 \else
11268 \usebox{\hvCaptionBox}%
11269 \fi%
11270 \fi%
11271 \fi%
11272 \else% not RTL
11273 \ifx\hvSet@capVPos\hv@Center%
11274 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11275 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11276 \fi%
11277 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11278 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11279 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11280 \fi%
11281 \else%
11282 \ifx\hvSet@capVPos\hv@Top % caption at top
11283 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11284 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11285 \fi
11286 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11287 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11288 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11289 \fi%
11290 \else% caption on bottom
11291 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11292 \else\usebox{\hvCaptionBox}
11293 \fi%
11294 \hspace{\hvSet@floatCapSep pt}%
11295 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11296 \else \usebox{\hvObjectBox}
11297 \fi%
11298 \fi%
11299 \fi% end of RTL
11300 \fi%
11301 \else
11302 \ifx\hvSet@capPos\hv@Top
11303 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11304 \begin{minipage}{\wd\hvCaptionBox}
11305 \else
11306 \begin{minipage}{\wd\hvObjectBox}
11307 \fi
11308 \centering
11309 \ifhv@fbox
11310 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11311 \fbox{\usebox{\hvObjectBox}}
11312 \else
11313 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]

```



```

11314 \usebox{\hvObjectBox}
11315 \fi%
11316 \end{minipage}
11317 \else
11318 \ifx\hvSet@capPos\hv@Bottom
11319 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11320 \begin{minipage}{\wd\hvCaptionBox}
11321 \else
11322 \begin{minipage}{\wd\hvObjectBox}
11323 \fi
11324 \centering
11325 \ifhv@fbox
11326 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11327 \fbox{\usebox{\hvCaptionBox}}
11328 \else
11329 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11330 \usebox{\hvCaptionBox}
11331 \fi%
11332 \end{minipage}
11333 \else% the last option: put the caption on the right
11334 \if@RTL%
11335 \ifx\hvSet@capVPos\hv@Center%
11336 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11337 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11338 \fi%
11339 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11340 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11341 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11342 \fi%
11343 \else%
11344 \ifx\hvSet@capVPos\hv@Top % caption at top
11345 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11346 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11347 \fi
11348 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11349 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11350 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11351 \fi%
11352 \else% caption on bottom
11353 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11354 \else\usebox{\hvCaptionBox}
11355 \fi%
11356 \hspace{\hvSet@floatCapSep pt}%
11357 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11358 \else \usebox{\hvObjectBox}
11359 \fi%
11360 \fi%
11361 \fi%
11362 \else% not RTL
11363 \ifx\hvSet@capVPos\hv@Center%

```



```

11364 \ifhv@fbox
11365 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11366 \else
11367 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11368 \fi%
11369 \hspace{\hvSet@floatCapSep pt}%
11370 \ifhv@fbox
11371 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11372 \else
11373 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11374 \fi%
11375 \else%
11376 \ifx\hvSet@capVPos\hv@Top
11377 \ifhv@fbox
11378 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11379 \else
11380 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11381 \fi%
11382 \hspace{\hvSet@floatCapSep pt}%
11383 \ifhv@fbox
11384 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11385 \else
11386 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11387 \fi
11388 \else
11389 \ifhv@fbox
11390 \fbox{\usebox{\hvObjectBox}}%
11391 \else
11392 \usebox{\hvObjectBox}%
11393 \fi
11394 \hspace{\hvSet@floatCapSep pt}%
11395 \ifhv@fbox
11396 \fbox{\usebox{\hvCaptionBox}}%
11397 \else
11398 \usebox{\hvCaptionBox}%
11399 \fi%
11400 \fi%
11401 \fi
11402 \fi% end of RTL
11403 \fi
11404 \fi
11405 \fi
11406 }% End savebox Object and caption
11407 %
11408 % now we rotate the object and caption, if needed
11409 %
11410 \ifx\hvSet@rotAngle\hv@Zero
11411 \usebox{\@tempboxa}
11412 \else
11413 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}

```



```

11414 \fi
11415 \ifhv@nonFloat
11416 \ifx\hvSet@ObjectPos\hv@Center
11417 \ifhv@nonFloat
11418 \hspace{\fill}
11419 \fi
11420 \fi
11421 \endgroup% End the nonfloat part
11422 \else
11423 \end{\hv@floatType}% End the floating environment
11424 \fi
11425 }

```

7.70 hyperref-xetex-bidi.def

```

11426 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11427 \AtBeginDocument{%
11428 \def\contentsline#1#2#3#4{%
11429 \ifx\#4\%
11430 \csname l@#1\endcsname{#2}{#3}%
11431 \else
11432 \ifcase\Hy@linktoc % none
11433 \csname l@#1\endcsname{#2}{#3}%
11434 \or % section
11435 \csname l@#1\endcsname{%
11436 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11437 }{#3}%
11438 \or % page
11439 \csname l@#1\endcsname{{#2}}{%
11440 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11441 }%
11442 \else % all
11443 \csname l@#1\endcsname{%
11444 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11445 }{%
11446 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11447 }%
11448 \fi
11449 \fi
11450 }
11451 \ifHy@hyperfootnotes
11452 \let\H@@footnotetext\@footnotetext
11453 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11454 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11455 \def\@xfootnotenext[#1]{%
11456 \begingroup
11457 \csname c@\@mpfn\endcsname #1\relax
11458 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11459 \endgroup
11460 \ifx\@footnotetext\@mpfootnotetext

```



```

11461     \expandafter\H@@mpfootnotetext
11462     \else
11463     \expandafter\H@@footnotetext
11464     \fi
11465 }%
11466 \def\@xRTLfootnotenext[#1]{%
11467 \begingroup
11468   \csname c@\@mpfn\endcsname #1\relax
11469   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11470 \endgroup
11471 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11472   \expandafter\HRTL@mpRTLfootnotetext
11473 \else
11474   \expandafter\HRTL@RTLfootnotetext
11475 \fi
11476 }%
11477 \def\@xLTRfootnotenext[#1]{%
11478 \begingroup
11479   \csname c@\@mpfn\endcsname #1\relax
11480   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11481 \endgroup
11482 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11483   \expandafter\HLTR@mpLTRfootnotetext
11484 \else
11485   \expandafter\HLTR@LTRfootnotetext
11486 \fi
11487 }%
11488 \def\@xfootnotemark[#1]{%
11489 \begingroup
11490   \c@footnote #1\relax
11491   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11492 \endgroup
11493 \H@@footnotemark
11494 }%
11495 \let\H@@mpfootnotetext\@mpfootnotetext
11496 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
11497 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
11498 \long\def\@mpfootnotetext#1{%
11499   \H@@mpfootnotetext{%
11500     \ifHy@nesting
11501       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11502     \else
11503       \Hy@raisedlink{%
11504         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11505       }#1%
11506     \fi
11507   }%
11508 }%
11509 \long\def\@mpRTLfootnotetext#1{%
11510   \HRTL@mpRTLfootnotetext{%

```



```

11511     \ifHy@nesting
11512     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11513     \else
11514     \Hy@raisedlink{%
11515     \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11516     }#1%
11517     \fi
11518   }%
11519 }%
11520 \long\def\@mpLTRfootnotetext#1{%
11521 \HLTR@@mpLTRfootnotetext{%
11522 \ifHy@nesting
11523 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11524 \else
11525 \Hy@raisedlink{%
11526 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11527 }#1%
11528 \fi
11529 }%
11530 }%
11531 \long\def\@footnotetext#1{%
11532 \H@@footnotetext{%
11533 \ifHy@nesting
11534 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11535 \else
11536 \Hy@raisedlink{%
11537 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11538 }%
11539 \let\@currentHlabel\Hy@footnote@currentHlabel
11540 \let\@currentHref\Hy@footnote@currentHref
11541 \let\@currentlabelname\@empty
11542 #1%
11543 \fi
11544 }%
11545 }%
11546 \long\def\@RTLfootnotetext#1{%
11547 \HRTL@@RTLfootnotetext{%
11548 \ifHy@nesting
11549 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11550 \else
11551 \Hy@raisedlink{%
11552 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11553 }%
11554 \let\@currentHlabel\Hy@footnote@currentHlabel
11555 \let\@currentHref\Hy@footnote@currentHref
11556 \let\@currentlabelname\@empty
11557 #1%
11558 \fi
11559 }%
11560 }%

```



```

11561 \long\def\@LTRfootnotetext#1{%
11562 \HLTR@@LTRfootnotetext{%
11563   \ifHy@nesting
11564     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11565   \else
11566     \Hy@raisedlink{%
11567       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11568     }%
11569     \let\@currentHlabel\Hy@footnote@currentHlabel
11570     \let\@currentHref\Hy@footnote@currentHref
11571     \let\@currentlabelname\@empty
11572     #1%
11573   \fi
11574 }%
11575 }%
11576 \@ifpackageloaded{tabularx}{%
11577 \let\HyOrg@TX@endtabularx\TX@endtabularx
11578 \def\Hy@tabularx@hook{%
11579   \let\@footnotetext\H@@footnotetext
11580   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11581   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11582   \let\@footnotemark\H@@footnotemark
11583   \let\@mpfootnotetext\H@mpfootnotetext
11584   \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
11585   \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
11586 }%
11587 \begingroup
11588 \toks@{\expandafter\TX@endtabularx}%
11589 \xdef\Hy@gtemp{%
11590   \noexpand\Hy@tabularx@hook
11591   \the\toks@
11592 }%
11593 \endgroup
11594 \let\TX@endtabularx\Hy@gtemp
11595 }{}%
11596 \@ifpackageloaded{longtable}{%
11597 \CheckCommand*\LT@p@LTRftntext}[1]{%
11598   \edef\@tempa{%
11599     \the\LT@p@ftn
11600     \noexpand\LTRfootnotetext[\the\c@footnote]%
11601   }%
11602   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11603 }%
11604 \long\def\LT@p@LTRftntext#1{%
11605   \edef\@tempa{%
11606     \the\LT@p@ftn
11607   \begingroup
11608     \noexpand\c@footnote=\the\c@footnote\relax
11609     \noexpand\protected@xdef\noexpand\@thefnmark{%
11610       \noexpand\thempfn

```




```

11611         }%
11612         \noexpand\Hy@LT@LTRfootnotetext{%
11613             \Hy@footnote@currentHref
11614         }%
11615     }%
11616     \global\LT@p@ftn\expandafter{%
11617         \@tempa{#1}%
11618     \endgroup
11619     }%
11620 }%
11621 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11622     \HLTR@@LTRfootnotetext{%
11623         \ifHy@nesting
11624             \hyper@@anchor{#1}{#2}%
11625         \else
11626             \Hy@raisedlink{%
11627                 \hyper@@anchor{#1}{\relax}%
11628             }%
11629             \def\@currentHref{#1}%
11630             \let\@currentlabelname\@empty
11631             #2%
11632         \fi
11633     }%
11634 }%
11635 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11636     \edef\@tempa{%
11637         \the\LT@p@ftn
11638         \noexpand\RTLfootnotetext[\the\c@footnote]%
11639     }%
11640     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11641 }%
11642 \long\def\LT@p@RTLftntext#1{%
11643     \edef\@tempa{%
11644         \the\LT@p@ftn
11645     \begingroup
11646         \noexpand\c@footnote=\the\c@footnote\relax
11647         \noexpand\protected@xdef\noexpand\@thefnmark{%
11648             \noexpand\thempfn
11649         }%
11650         \noexpand\Hy@LT@RTLfootnotetext{%
11651             \Hy@footnote@currentHref
11652         }%
11653     }%
11654     \global\LT@p@ftn\expandafter{%
11655         \@tempa{#1}%
11656     \endgroup
11657     }%
11658 }%
11659 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11660     \HRTL@@RTLfootnotetext{%

```



```

11661     \ifHy@nesting
11662         \hyper@@anchor{#1}{#2}%
11663     \else
11664         \Hy@raisedlink{%
11665             \hyper@@anchor{#1}{\relax}%
11666         }%
11667         \def\@currentHref{#1}%
11668         \let\@currentlabelname\@empty
11669         #2%
11670     \fi
11671 }%
11672 }%
11673 }{}%
11674 \@ifpackageloaded{bidipoem}{%
11675     \long\def\bidipoem@p@ftntext#1{%
11676         \edef\@temp#1{%
11677             \the\bidipoem@p@ftn
11678             \begingroup
11679             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11680             \noexpand\protected@xdef\noexpand\@thefnmark{%
11681                 \noexpand\thempfn
11682             }%
11683             \noexpand\Hy@bidipoem@footnotetext{%
11684                 \Hy@footnote@currentHref
11685             }%
11686         }%
11687         \global\bidipoem@p@ftn\expandafter{%
11688             \@temp#1}%
11689         \endgroup
11690     }%
11691 }%
11692 \long\def\Hy@bidipoem@footnotetext#1#2{%
11693     \H@@footnotetext{%
11694         \ifHy@nesting
11695             \hyper@@anchor{#1}{#2}%
11696         \else
11697             \Hy@raisedlink{%
11698                 \hyper@@anchor{#1}{\relax}%
11699             }%
11700             \def\@currentHref{#1}%
11701             \let\@currentlabelname\@empty
11702             #2%
11703         \fi
11704     }%
11705 }%
11706 \long\def\bidipoem@p@LTRftntext#1{%
11707     \edef\@tempxi{%
11708         \the\bidipoem@p@ftn
11709         \begingroup
11710         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax

```



```

11711         \noexpand\protected@xdef\noexpand\@thefnmark{%
11712             \noexpand\thempfn
11713         }%
11714         \noexpand\Hy@bidipoem@LTRfootnotetext{%
11715             \Hy@footnote@currentHref
11716         }%
11717     }%
11718     \global\bidipoem@p@ftn\expandafter{%
11719         \@tempxi{#1}%
11720     \endgroup
11721     }%
11722 }%
11723 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11724     \HLTR@@LTRfootnotetext{%
11725         \ifHy@nesting
11726             \hyper@@anchor{#1}{#2}%
11727         \else
11728             \Hy@raisedlink{%
11729                 \hyper@@anchor{#1}{\relax}%
11730             }%
11731             \def\@currentHref{#1}%
11732             \let\@currentlabelname\@empty
11733             #2%
11734         \fi
11735     }%
11736 }%
11737     \long\def\bidipoem@p@RTLftntext#1{%
11738     \edef\@tempxi{%
11739         \the\bidipoem@p@ftn
11740     \begingroup
11741     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11742     \noexpand\protected@xdef\noexpand\@thefnmark{%
11743         \noexpand\thempfn
11744     }%
11745     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11746         \Hy@footnote@currentHref
11747     }%
11748     }%
11749     \global\bidipoem@p@ftn\expandafter{%
11750         \@tempxi{#1}%
11751     \endgroup
11752     }%
11753 }%
11754 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11755     \HRTL@@RTLfootnotetext{%
11756         \ifHy@nesting
11757             \hyper@@anchor{#1}{#2}%
11758         \else
11759             \Hy@raisedlink{%
11760                 \hyper@@anchor{#1}{\relax}%

```



```

11761         }%
11762         \def\@currentHref{#1}%
11763         \let\@currentlabelname\@empty
11764         #2%
11765     \fi
11766 }%
11767 }%
11768 }{}%
11769 \let\HyOrg@maketitle\maketitle
11770 \def\maketitle{%
11771     \let\Hy@saved@footnotemark\@footnotemark
11772     \let\Hy@saved@footnotetext\@footnotetext
11773     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11774     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11775     \let\@footnotemark\H@@footnotemark
11776     \let\@footnotetext\H@@footnotetext
11777     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11778     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11779     \@ifnextchar[\Hy@maketitle@optarg{% ]
11780     \HyOrg@maketitle
11781     \Hy@maketitle@end
11782 }%
11783 }%
11784 \def\Hy@maketitle@optarg[#1]{%
11785     \HyOrg@maketitle[#{#1}]%
11786     \Hy@maketitle@end
11787 }%
11788 \def\Hy@maketitle@end{%
11789     \ifx\@footnotemark\H@@footnotemark
11790         \let\@footnotemark\Hy@saved@footnotemark
11791     \fi
11792     \ifx\@footnotetext\H@@footnotetext
11793         \let\@footnotetext\Hy@saved@footnotetext
11794     \fi
11795     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11796         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11797     \fi
11798     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11799         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11800     \fi
11801 }%
11802 \def\realfootnote{%
11803     \@ifnextchar[\@xfootnote{%
11804         \stepcounter{\@mpfn}%
11805         \protected@xdef\@thefnmark{\thempfn}%
11806         \H@@footnotemark\H@@footnotetext
11807     }%
11808 }%
11809 \fi
11810 \def\Hy@BeginAnnot#1{%

```



```

11811 \ifmmode\else\beginL\fi%
11812 \stepcounter{Hy@AnnotLevel}%
11813 \ifnum\value{Hy@AnnotLevel}=\@ne
11814   #1%
11815 \fi
11816 }
11817 \def\Hy@endAnnot{%
11818   \ifnum\value{Hy@AnnotLevel}=\@ne
11819     \Hy@endcolorlink
11820     \@pdfmark{eann}%
11821   \fi
11822   \addtocounter{Hy@AnnotLevel}\m@ne
11823   \ifmmode\else\endL\fi%
11824 }
11825 \def\hyper@link#1#2#3{%
11826   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
11827 }
11828 \def\hyper@linkfile#1#2#3{%
11829   \leavevmode
11830   \Hy@BeginAnnot{%
11831     \def\Hy@pstringF{#2}%
11832     \Hy@CleanupFile\Hy@pstringF
11833     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11834     \Hy@pstringdef\Hy@pstringD{#3}%
11835     \Hy@MakeRemoteAction
11836     \@pdfmark{%
11837       bann<<%
11838       /Type/Annot%
11839       /Subtype/Link%
11840       \ifHy@pdfa /F 4\fi
11841       \Hy@setpdfborder
11842       \ifx\@filebordercolor\relax
11843       \else
11844         /C[\@filebordercolor]%
11845       \fi
11846       /A<<%
11847       /S/GoToR%
11848       /F(\Hy@pstringF)%
11849       /D%
11850       \ifx\#3\%
11851         [\Hy@href@page\@pdfremotestartview]%
11852       \else
11853         (\Hy@pstringD)%
11854       \fi
11855       \Hy@SetNewWindow
11856       \Hy@href@nextactionraw
11857       >>%
11858     >>%
11859   }%
11860   \Hy@colorlink\@filecolor

```



```

11861 }%
11862 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11863 \Hy@endAnnot
11864 }
11865 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11866 \leavevmode
11867 \Hy@BeginAnnot{%
11868 \Hy@pstringdef\Hy@pstringF{#1}%
11869 \Hy@pstringdef\Hy@pstringP{#3}%
11870 \@pdfm@mark{%
11871 bann<<%
11872 /Type/Annot%
11873 /Subtype/Link%
11874 \ifHy@pdfa /F 4\fi
11875 \Hy@setpdfborder
11876 \ifx\@runbordercolor\relax
11877 \else
11878 /C[\@runbordercolor]%
11879 \fi
11880 /A<<%
11881 /F(\Hy@pstringF)%
11882 /S/Launch%
11883 \Hy@SetNewWindow
11884 \ifx\#3\%
11885 \else
11886 /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11887 \fi
11888 \Hy@href@nextactionraw
11889 >>%
11890 >>%
11891 }%
11892 \Hy@colorlink\@runcolor
11893 }%
11894 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11895 \Hy@endAnnot
11896 }
11897 \def\hyper@linkurl#1#2{%
11898 \leavevmode
11899 \Hy@BeginAnnot{%
11900 \Hy@pstringdef\Hy@pstringURI{#2}%
11901 \@pdfm@mark{%
11902 bann<<%
11903 /Type/Annot%
11904 /Subtype/Link%
11905 \ifHy@pdfa /F 4\fi
11906 \Hy@setpdfborder
11907 \ifx\@urlbordercolor\relax
11908 \else
11909 /C[\@urlbordercolor]%
11910 \fi

```



```

11911      /A<<%
11912      /S/URI%
11913      /URI(\Hy@pstringURI)%
11914      \ifHy@href@ismap
11915      /IsMap true%
11916      \fi
11917      \Hy@href@nextactionraw
11918      >>%
11919      >>%
11920      }%
11921      \Hy@colorlink\@urlcolor
11922      }%
11923      \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11924      \Hy@EndAnnot
11925  }
11926  \def\Acrobatmenu#1#2{%
11927    \Hy@Acrobatmenu{#1}{#2}{%
11928      \Hy@BeginAnnot{%
11929        \EdefEscapeName\Hy@temp@menu{#1}%
11930        \@pdfm@mark{%
11931          bann<<%
11932          /Type/Annot%
11933          /Subtype/Link%
11934          \ifHy@pdfa /F 4\fi
11935          \Hy@setpdfborder
11936          \ifx\@menubordercolor\relax
11937            \else
11938              /C[\@menubordercolor]%
11939            \fi
11940            /A<<%
11941            /S/Named%
11942            /N/\Hy@temp@menu
11943            \Hy@href@nextactionraw
11944            >>%
11945            >>%
11946            }%
11947            \Hy@colorlink\@menucolor
11948            }%
11949            \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11950            \Hy@EndAnnot
11951          }%
11952        }
11953      \def\hyper@natlinkstart#1{%
11954        \Hy@backout{#1}%
11955        \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11956        \def\hyper@nat@current{#1}%
11957      }
11958      \def\hyper@natlinkend{%
11959        \if@RTL\endR\fi\hyper@linkend
11960      }

```



```

11961 \def\hyper@natlinkbreak#1#2{%
11962   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11963 }%
11964 }
11965 \pdfstringdefDisableCommands{%
11966   \let\LRE\@firstofone
11967   \let\LR\@firstofone
11968   \let\RLE\@firstofone
11969   \let\RL\@firstofone
11970   \def\XeTeX{Xe\TeX}
11971   \def\XeLaTeX{Xe\LaTeX}
11972 }
11973 \ifpackageloaded{longtable}{%
11974   \begingroup
11975     \def\y{\LT@array}%
11976     \@ifundefined{scr@LT@array}{%
11977       \@ifundefined{adl@LT@array}{%{\def\y{\adl@LT@array}}}%
11978     }{\def\y{\scr@LT@array}}%
11979     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11980       \expandafter\endgroup
11981       \expandafter\def\y[##1]##2{%
11982         \H@refstepcounter{#1}%
11983         \hyper@makecurrent{table}%
11984         \let\Hy@LT@currentHref\@currentHref
11985         #2\@sharp####4%
11986       }%
11987     }%
11988     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
11989     \begingroup
11990       \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11991         \endgroup
11992         \def\LT@start{%
11993           #1%
11994           \ifvoid\LT@foot#2\fi
11995           \let\@currentHref\Hy@LT@currentHref
11996           \Hy@raisedlink{%
11997             \hyper@anchorstart{\@currentHref}\hyper@anchorend
11998           }%
11999           #3%
12000         }%
12001       }%
12002     \expandafter\x\LT@start\@nil
12003 }{}

```

7.71 leqno-xetex-bidi.def

```

12004 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
12005 \renewcommand\@eqnnum{\hb@xt@0.01\p@{}}%
12006   \rlap{
12007     \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\i

```



7.72 letter-xetex-bidi.def

```
12008 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
12009 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12010   \thispagestyle{firstpage}%
12011   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12012 \else % home address
12013   \thispagestyle{empty}%
12014   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12015     \fromaddress \*[2\parskip]%
12016     \@date \end{tabular}\par}%
12017 \fi
12018 \vspace{2\parskip}%
12019 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
12020 \vspace{2\parskip}%
12021 #1\par\nobreak}
12022 \renewcommand\left@footnoterule{%
12023   \kern-\p@
12024   \hrule \@width .4\columnwidth
12025   \kern .6\p@}
12026 \renewcommand\right@footnoterule{%
12027   \kern-\p@
12028   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12029   \kern .6\p@}
```

7.73 lettrine-xetex-bidi.def

```
12030 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for]
12031 \def\@lettrine[#1]#2#3{%
12032   \setcounter{L@lines}{\theDefaultLines}%
12033   \setcounter{L@depth}{\theDefaultDepth}%
12034   \renewcommand*{\L@hang}{\DefaultLhang}%
12035   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12036   \renewcommand*{\L@raise}{\DefaultLraise}%
12037   \renewcommand*{\L@ante}{\}%
12038   \setlength{\L@Findent}{\DefaultFindent}%
12039   \setlength{\L@Nindent}{\DefaultNindent}%
12040   \setlength{\L@slope}{\DefaultSlope}%
12041   \setlength{\L@novskip}{\DiscardVskip}%
12042   \ifLettrineImage\L@image>true\else\L@image>false\fi
12043   \ifLettrineOnGrid\L@grid>true\else\L@grid>false\fi
12044   \if\DefaultOptionsFile\relax
12045   \else
12046     \begingroup
12047     \InputIfFileExists{\DefaultOptionsFile}%
12048     {}%
12049     {\PackageWarning{lettrine.sty}%
12050      {File \DefaultOptionsFile\space not found}%
12051      }%
12052   \def\color##1##{\l@color{##1}}%
12053   \let\l@color\@gobbletwo
```



```

12054 \def\textcolor##1##{\l@textcolor{##1}}%
12055 \def\l@textcolor##1##2##3{##3}%
12056 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12057 \gdef\l@LOKeys{%
12058 \else
12059 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12060 \fi
12061 \endgroup
12062 \def\KV@prefix{KV@L@}%
12063 \let\@tempc\relax
12064 \expandafter\KV@do\l@LOKeys,\relax,
12065 \sbox{\L@lbox}{\LettrineFont #2}%
12066 \setlength{\LettrineWidth}{\wd\L@lbox}%
12067 \def\KV@prefix{KV@L@}%
12068 \let\@tempc\relax
12069 \expandafter\KV@do\l@LOKeys,\relax,
12070 \fi
12071 \setkeys{L}{#1}%
12072 \ifL@image
12073 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12074 \else
12075 \sbox{\L@lbox}{\LettrineFont #2}%
12076 \fi
12077 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12078 \@tempdima=\baselineskip
12079 \ifnum\theL@lines=1
12080 \setlength{\L@first}{\ht\L@lbox}%
12081 \addtolength{\L@first}{-\ht\L@tbox}%
12082 \setlength{\L@lraise}{\z@}%
12083 \else
12084 \setlength{\L@first}{-\theL@lines\@tempdima}%
12085 \addtolength{\L@first}{\@tempdima}%
12086 \sbox{\@tempboxa}{\LettrineTextFont x}%
12087 \addtolength{\L@first}{-\ht\@tempboxa}%
12088 \setlength{\L@lraise}{-\L@raise\L@first}%
12089 \addtolength{\L@first}{\L@lraise}%
12090 \addtolength{\L@first}{\ht\L@lbox}%
12091 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12092 \addtolength{\L@lraise}{\@tempdima}%
12093 \fi
12094 \par
12095 \ifdim\L@first>\L@novskip
12096 \ifL@grid
12097 \@tempdima=\baselineskip
12098 \@tempdimb=\@tempdima
12099 \advance\@tempdimb by \L@novskip
12100 \@tempcnta=1
12101 \loop\ifdim\L@first>\@tempdimb
12102 \advance\@tempcnta by 1
12103 \advance\L@first by -\@tempdima

```



```

12104     \repeat
12105     \vskip\@tempcnta\baselineskip
12106     \else
12107     \vskip\L@first
12108     \fi
12109     \fi
12110     \setlength{\L@Pindent}{\wd\L@lbox}%
12111     \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12112     \settowidth{\L@first}{\L@ante}%
12113     \addtolength{\L@Pindent}{\L@first}%
12114     \addtolength{\L@Pindent}{\L@Findent}%
12115     \setlength{\L@first}{\linewidth}%
12116     \addtolength{\L@first}{-\L@Pindent}%
12117     \addtolength{\L@Nindent}{\L@Pindent}%
12118     \setlength{\L@next}{\linewidth}%
12119     \addtolength{\L@next}{-\L@Nindent}%
12120     \addtolength{\L@Pindent}{\rightmargin}%
12121     \addtolength{\L@Nindent}{\rightmargin}%
12122     \setlength{\LettrineWidth}{\wd\L@lbox}%
12123     \setlength{\LettrineHeight}{\ht\L@lbox}%
12124     \setlength{\LettrineDepth}{\dp\L@lbox}%
12125     \addtocounter{L@lines}{1}%
12126     \addtocounter{L@lines}{\the\c@L@depth}%
12127     \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
12128     \@tempcnta=\tw@
12129     \@whilenum \@tempcnta<\c@L@lines\do{%
12130       \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
12131       \addtolength{\L@Nindent}{\L@slope}%
12132       \addtolength{\L@next}{-\L@slope}%
12133       \advance\@tempcnta\@ne}%
12134     \if@RTL\edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \rig
12135     \noindent
12136     \parshape=\L@parshape\relax
12137     \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12138       \hskip \the\L@Findent}}%
12139     \usebox{\L@tbox}%
12140 }

```

7.74 listings-xetex-bidi.def

```

12141 \ProvidesFile{listings-xetex-bidi.def}[2016/11/08 v1.3 bidi adaptations for listings package for
12142 \lst@Key{captiondirection}{textdirection}{%
12143   \lstKV@SwitchCases{#1}%
12144   {textdirection&\\%
12145     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12146     LTR&\chardef\bidi@lst@caption@direction\z@%
12147   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12148
12149 \lst@Key{captionscript}{latin}{%
12150   \lstKV@SwitchCases{#1}%

```



```

12151 {%
12152     latin&\chardef\bidi@lst@caption@script\@ne\\%
12153     nonlatin&\chardef\bidi@lst@caption@script\z@%
12154 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12155
12156 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12157     \@ifundefined{bidi@lst@caption@direction}{}{%
12158         \ifnum\bidi@lst@caption@direction=\z@%
12159             #1%
12160         \else%
12161             \ifnum\bidi@lst@caption@direction=\@ne%
12162                 #2%
12163             \fi%
12164         \fi%
12165 }}
12166 \long\def\@bidi@lst@makecaption#1#2{%
12167     \ifnum\bidi@lst@caption@script=\z@%
12168         \@nonlatintrue%
12169     \else%
12170         \ifnum\bidi@lst@caption@script=\@ne%
12171             \@nonlatinfalse%
12172         \fi%
12173     \fi%
12174     \vskip\abovecaptionskip
12175     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12176     \sbox\@tempboxa{%
12177         \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12178         #1: #2%
12179         \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12180     }%
12181     \ifdim \wd\@tempboxa >\hsize
12182         #1: #2\par
12183     \else
12184         \global \@minipagefalse
12185         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12186     \fi
12187     \vskip\belowcaptionskip}%
12188 \def\lst@makecaption{\@bidi@lst@makecaption}
12189 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12190 \bidi@AtEndPreamble{%
12191 \bidi@patchcmd{\lst@MakeCaption}{%
12192     \ifx #1%
12193         \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12194             \expandafter\refstepcounter
12195         \fi {lstlisting}%
12196 }{%
12197     \ifx #1%
12198         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12199         \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12200             \expandafter\refstepcounter

```



```

12201         \fi {lstlisting}%
12202         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12203     }{}{}%
12204     \bidi@patchcmd{\lst@MakeCaption}{%
12205         \addcontentsline{lol}{lstlisting}%
12206         {\protect\numberline{\thelstlisting}\lst@caption}%
12207     }{%
12208     \beginngroup%
12209         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12210         \addcontentsline{lol}{lstlisting}%
12211         {\protect\numberline{\thelstlisting}\lst@caption}%
12212     \endgroup%
12213     }{}{}%
12214 }
12215 \ifpackageloaded{caption}{%
12216     \AtBeginCaption{%
12217         \ifnum\bidi@lst@caption@script=\z@%
12218             \@nonlatintrue%
12219         \else%
12220             \ifnum\bidi@lst@caption@script=\@one%
12221                 \@nonlatinfalse%
12222             \fi%
12223         \fi%
12224         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12225     }
12226     \let\@bidi@lst@makecaption\caption@makecaption%
12227     \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
12228     \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
12229 }{}%
12230 \AtBeginDocument{%
12231     \ifundefined{captionlabelfalse}{}{}%
12232     \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12233 \ifundefined{caption@startrue}{}{}%
12234 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
12235 }%
12236 }
12237 \AtBeginDocument{
12238     \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12239     \lst@ifnumberbychapter
12240         \gdef\thelstlisting%
12241         {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12242     \else
12243         \gdef\thelstlisting{\@arabic\c@lstlisting}
12244     \fi}

```

7.75 loadingorder-xetex-bidi.def

```

12245 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last package loaded]
12246 \bidi@isloaded{amsmath}
12247 \bidi@isloaded{amstext}

```



```

12248 \bidi@isloaded{amsthm}
12249 \bidi@isloaded{animate}
12250 \bidi@isloaded{breqn}
12251 \bidi@isloaded{cals}
12252 \bidi@isloaded{caption}
12253 \bidi@isloaded{crop}
12254 \bidi@isloaded{cuted}
12255 \bidi@isloaded{cutwin}
12256 \bidi@isloaded{color}
12257 \bidi@isloaded{dblfnote}
12258 \bidi@isloaded{xcolor}
12259 \bidi@isloaded{colortbl}
12260 \bidi@isloaded{float}
12261 \bidi@isloaded{floatrow}
12262 \bidi@isloaded{flowfram}
12263 \bidi@isloaded{framed}
12264 \bidi@isloaded{ftnright}
12265 \bidi@isloaded{xltextra}
12266 \bidi@isloaded{xunicode}
12267 \bidi@isloaded{wrapfig}
12268 \bidi@isloaded{graphicx}
12269 \bidi@isloaded{geometry}
12270 \bidi@isloaded{hvfloat}
12271 \bidi@isloaded{mdframed}
12272 \bidi@isloaded{midfloat}
12273 \bidi@isloaded{ntheorem}
12274 \bidi@isloaded{ntheorem-hyper}
12275 \bidi@isloaded{hyperref}
12276 \bidi@isloaded{fancybox}
12277 \bidi@isloaded{fancyhdr}
12278 \bidi@isloaded{fix2col}
12279 \bidi@isloaded{draftwatermark}
12280 \bidi@isloaded{empheq}
12281 \bidi@isloaded{overpic}
12282 \bidi@isloaded{pdfpages}
12283 \bidi@isloaded{listings}
12284 \bidi@isloaded{lettrine}
12285 \bidi@isloaded{media9}
12286 \bidi@isloaded{pstricks}
12287 \bidi@isloaded{pgf}
12288 \bidi@isloaded{picinpar}
12289 \bidi@isloaded{quotchap}
12290 \bidi@isloaded{tikz}
12291 \bidi@isloaded{titlesec}
12292 \bidi@isloaded{titletoc}
12293 \bidi@isloaded{array}
12294 \bidi@isloaded{soul}
12295 \bidi@isloaded{stabular}
12296 \bidi@isloaded{subfig}
12297 \bidi@isloaded{subfigure}

```



```

12298 \bidi@isloaded{supertabular}
12299 \bidi@isloaded{xtab}
12300 \bidi@isloaded{longtable}
12301 \bidi@isloaded{arydshln}
12302 \bidi@isloaded{multicol}
12303 \bidi@isloaded{multienum}
12304 \bidi@isloaded{minitoc}
12305 \bidi@isloaded{natbib}
12306 \bidi@isloaded{newfloat}
12307 \bidi@isloaded{ragged2e}
12308 \bidi@isloaded{rotating}
12309 \bidi@isloaded{tbls}
12310 \bidi@isloaded{tabulary}
12311 \bidi@isloaded{tocbasic}
12312 \bidi@isloaded{tocstyle}
12313 \bidi@isloaded{tocbibind}
12314 \bidi@isloaded{fontspec}
12315 \bidi@isloaded{arabxetex}
12316 \bidi@isloaded{polyglossia}
12317 \bidi@isloaded{fancyvrb}
12318 \AtBeginDocument{
12319   \if@bidi@amsmathloaded@ \else
12320     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12321   \fi%
12322   \if@bidi@amstextloaded@ \else
12323     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12324   \fi%
12325   \if@bidi@amsthmloaded@ \else
12326     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. PL
12327   \fi%
12328   \if@bidi@animateloaded@ \else
12329     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12330   \fi%
12331   \if@bidi@breqnloaded@ \else
12332     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
12333   \fi%
12334   \if@bidi@calsloaded@ \else
12335     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12336   \fi%
12337   \if@bidi@captionloaded@ \else
12338     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
12339   \fi%
12340   \if@bidi@croploaded@ \else
12341     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
12342   \fi%
12343   \if@bidi@colorloaded@ \else
12344     \@ifpackageloaded{hyperref}{\fi%
12345     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12346   \fi%
12347   \if@bidi@cutwinloaded@ \else

```



```

12348 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. Ple
12349 \fi%
12350 \if@bidi@cutedloaded@else
12351 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
12352 \fi%
12353 \if@bidi@dblfnloaded@else
12354 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnloaded after bidi package.
12355 \fi%
12356 \if@bidi@xcolorloaded@else
12357 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. PL
12358 \fi%
12359 \if@bidi@colortblloaded@else
12360 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12361 \fi%
12362 \if@bidi@floatloaded@else
12363 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
12364 \fi%
12365 \if@bidi@floatrowloaded@else
12366 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12367 \fi%
12368 \if@bidi@flowframloaded@else
12369 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
12370 \fi%
12371 \if@bidi@framedloaded@else
12372 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. PL
12373 \fi%
12374 \if@bidi@ftnrightloaded@else
12375 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12376 \fi%
12377 \if@bidi@xltxtraloaded@else
12378 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. P
12379 \fi%
12380 \if@bidi@xunicodeloaded@else
12381 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12382 \fi%
12383 \if@bidi@wrapfigloaded@else
12384 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. P
12385 \fi%
12386 \if@bidi@graphicxloaded@else
12387 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12388 \fi%
12389 \if@bidi@geometryloaded@else
12390 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12391 \fi%
12392 \if@bidi@hvfloatloaded@else
12393 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
12394 \fi%
12395 \if@bidi@mdframedloaded@else
12396 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12397 \fi%

```




```

12398         \if@bidi@midfloatloaded@else
12399         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12400         \fi%
12401         \if@bidi@theoremloaded@else
12402         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12403         \fi%
12404         \if@bidi@hyperrefloaded@else
12405         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12406         \fi%
12407         \if@bidi@fancyboxloaded@else
12408         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12409         \fi%
12410         \if@bidi@fancyhdrloaded@else
12411         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12412         \fi%
12413         \if@bidi@draftwatermarkloaded@else
12414         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12415         \fi%
12416         \if@bidi@empheqloaded@else
12417         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. PL
12418         \fi%
12419         \if@bidi@overpicloaded@else
12420         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. P
12421         \fi%
12422         \if@bidi@pdfpagesloaded@else
12423         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12424         \fi%
12425         \if@bidi@lettrineloaded@else
12426         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12427         \fi%
12428         \if@bidi@listingsloaded@else
12429         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
12430         \fi%
12431         \csname if@bidi@media9loaded@endcsname\else
12432         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. PL
12433         \fi%
12434         \if@bidi@pstricksloaded@else
12435         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12436         \fi%
12437         \if@bidi@pgfloaded@else
12438         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12439         \fi%
12440         \if@bidi@picinparloaded@else
12441         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
12442         \fi%
12443         \if@bidi@quotchaploaded@else
12444         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
12445         \fi%
12446         \if@bidi@tikzloaded@else
12447         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea

```



```

12448 \fi%
12449 \if@bidi@titlesecloaded@else
12450 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12451 \fi%
12452 \if@bidi@titletocloaded@else
12453 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12454 \fi%
12455 \if@bidi@arrayloaded@else
12456 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12457 \fi%
12458 \if@bidi@stabularloaded@else
12459 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12460 \fi%
12461 \if@bidi@soulloaded@else
12462 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
12463 \fi%
12464 \if@bidi@subfigloaded@else
12465 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PL
12466 \fi%
12467 \if@bidi@subfigureloaded@else
12468 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12469 \fi%
12470 \if@bidi@supertabularloaded@else
12471 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi packa
12472 \fi%
12473 \if@bidi@xtabloaded@else
12474 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
12475 \fi%
12476 \if@bidi@longtableloaded@else
12477 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
12478 \fi%
12479 \if@bidi@arydshlnloaded@else
12480 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12481 \fi%
12482 \if@bidi@multicolloaded@else
12483 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12484 \fi%
12485 \if@bidi@multienumloaded@else
12486 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
12487 \fi%
12488 \if@bidi@minitocloaded@else
12489 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
12490 \fi%
12491 \if@bidi@natbibloaded@else
12492 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. PL
12493 \fi%
12494 \if@bidi@newfloatloaded@else
12495 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12496 \fi%
12497 \csname if@bidi@ragged2eloaded@endcsname\else

```



```

12498 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12499 \fi%
12500 \if@bidi@rotatingloaded@else
12501 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12502 \fi%
12503 \if@bidi@tblsloaded@else
12504 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Ple
12505 \fi%
12506 \if@bidi@tabularyloaded@else
12507 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12508 \fi%
12509 \if@bidi@tocbasicloaded@else
12510 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package.
12511 \fi%
12512 \if@bidi@tocstyleloaded@else
12513 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12514 \fi%
12515 \if@bidi@tocbibindloaded@else
12516 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
12517 \fi%
12518 \if@bidi@fontspecloaded@else
12519 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12520 \fi%
12521 \if@bidi@arabxetexloaded@else
12522 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
12523 \fi%
12524 \if@bidi@polyglossialoaded@else
12525 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packag
12526 \fi%
12527 \if@bidi@fancyvrbloaded@else
12528 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12529 \fi%
12530 }

```

7.76 longtable-xetex-bidi.def

```

12531 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package f
12532 \def\LT@array[#1]#2{%
12533 \refstepcounter{table}\stepcounter{LT@tables}%
12534 \if l#1%
12535 \if@RTLtab\LTleft\fill \LTright\z@ \else\LTleft\z@ \LTright\fill\fi
12536 \else\if r#1%
12537 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
12538 \else\if c#1%
12539 \LTleft\fill \LTright\fill
12540 \fi\fi\fi
12541 \let\LT@mc\multicolumn
12542 \let\LT@tabarray\@tabarray
12543 \let\LT@hline\hline
12544 \def\@tabarray{%

```



```

12545 \let\hline\LT@@hl
12546 \LT@@tabarray}%
12547 \let\\LT@tabularcr\let\tabularnewline\\%
12548 \def\newpage{\noalign{\break}}}%
12549 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk-}4}%
12550 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk4}}%
12551 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12552 \@tempdima\ht\strutbox
12553 \let\@endpbox\LT@endpbox
12554 \ifx\extrarowheight\undefined
12555 \let\@acol\@tabacol
12556 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12557 \def\@startpbox{\vtop\LT@startpbox}%
12558 \let\@startpbox\@startpbox
12559 \let\@endpbox\@endpbox
12560 \let\LT@LL@FM@cr\@tabularcr
12561 \else
12562 \advance\@tempdima\extrarowheight
12563 \col@sep\tabcolsep
12564 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12565 \fi
12566 \setbox\@arstrutbox\hbox{\vrule
12567 \@height \arraystretch \@tempdima
12568 \@depth \arraystretch \dp \strutbox
12569 \@width \z@}%
12570 \let\@sharp##\let\protect\relax
12571 \begingroup
12572 \mkpream{#2}%
12573 \xdef\LT@bchunk{%
12574 \global\advance\c@LT@chunks\@ne
12575 \global\LT@rows\z@\setbox\z@\vbox\bgroup
12576 \LT@setprevdepth
12577 \tabskip\LT@left \noexpand\halign to\hsize\bgroup
12578 \tabskip\z@ \@arstrut \preamble \tabskip\LT@right \cr}%
12579 \endgroup
12580 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12581 \LT@make@row
12582 \m@th\let\par\@empty
12583 \everycr{}\lineskip\z@\baselineskip\z@
12584 \LT@bchunk}
12585 \def\LT@makecaption#1#2#3{%
12586 \LT@mc@l\LT@cols c{\hbox to\z@{\hss\parbox[t]{LT@capwidth{%
12587 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12588 \ifdim\wd\@tempboxa>\hsize
12589 #1{#2: }#3%
12590 \else
12591 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12592 \fi
12593 \endgraf\vskip\baselineskip}}%
12594 \hss}}

```



```

12595 \ifpackageloaded{caption}{%
12596   \renewcommand\LT@makecaption[3]{%
12597     \caption@LT@make{%
12598       \caption@settype*\LTcaptype
12599       \ifdim\LTcapwidth=4in \else
12600         \setcaptionwidth\LTcapwidth
12601       \fi
12602       \caption@setoptions{longtable}%
12603       \caption@setoptions{@longtable}%
12604       \caption@LT@setup
12605       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
12606       \caption@startrue#1\caption@starfalse
12607       \caption@prepare@stepcounter\LTcaptype{LT}%
12608       \caption@begin\LTcaptype
12609         \caption@normalsize
12610         \vskip-\ht\strutbox
12611       \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
12612       \caption@@make{#2}{#3}\endgraf
12613       \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
12614       \caption@end}}%
12615 }{}
12616 \def\LT@startpbox#1{%
12617   \bgroup
12618     \let\@footnotetext\LT@p@ftntext
12619     \let\@LTRfootnotetext\LT@p@LTRftntext
12620     \let\@RTLfootnotetext\LT@p@RTLftntext
12621     \setlength\hsize{#1}%
12622     \@arrayparboxrestore
12623     \vrule \@height \ht\@arstrutbox \@width \z@}
12624 \def\LT@p@LTRftntext#1{%
12625   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
12626   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12627 \def\LT@p@RTLftntext#1{%
12628   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
12629   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.77 mdframed-xetex-bidi.def

```

12630 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12631 \newif\if@bidi@mdf@RTL
12632 \def\mdf@lrbox#1{%
12633   \mdf@patchamsthm%patch amsthm
12634   \if@RTL\@bidi@mdf@RTLtrue\fi%
12635   \@RTLfalse%
12636   \setbox#1\vbox\bgroup%
12637   \color@begingroup%
12638   \if@bidi@mdf@RTL\@RTLtrue\fi%
12639   \mdf@horizontalmargin@equation%
12640   \columnwidth=\hsize%
12641   \textwidth=\hsize%

```



```

12642 \let\if@nbreak\iffalse%
12643 \let\if@noskipsec\iffalse%
12644 \let\par\@par%
12645 \let\-\@dischyph%
12646 \let'\@acci\let\` \@accii\let\= \@acciii%
12647 \parindent\z@ \parskip\z@skip%
12648 \linewidth\hsize%
12649 \@totalleftmargin\z@%
12650 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12651 \parfillskip\@flushglue \lineskip\normallineskip%
12652 \baselineskip\normalbaselineskip%
12653 %% \sloppy%
12654 \let\\\@normalcr%
12655 \mdf@par@local%New feature to restore parskip/parindent local in save box
12656 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12657 \afterindentfalse%
12658 %\@afterheading%
12659 }
12660 \renewrobustcmd\mdfframedtitleenv[1]{%
12661 \mdf@lrbox{\mdf@frametitlebox}%
12662 \mdf@frametitlealignment%
12663 \leavevmode{\color{\mdf@frametitlefontcolor}%
12664 \normalfont\mdf@frametitlefont{#1}
12665 \ifbool{mdf@ignorelastdescenders}%
12666 {%
12667 \par\strut\par
12668 \unskip\unskip\setbox0=\lastbox
12669 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12670 }{}}%
12671 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12672 \endmdf@lrbox\relax%
12673 \mdf@ignorevbadness%
12674 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12675 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12676 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12677 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12678 \mdfframetitleboxtotalheight=\dimexpr
12679 \ht\mdf@frametitlebox
12680 +\dp\mdf@frametitlebox%
12681 +\mdf@frametitleaboveskip@length
12682 +\mdf@frametitlebelowskip@length
12683 \relax%
12684 }
12685
12686 \renewrobustcmd*\mdf@footnoteoutput{%
12687 \ifvoid\mpfootins\else%
12688 \nobreak%
12689 \vskip\mdf@footnotedistance@length%
12690 \normalcolor%
12691 \bidi@mpfootnoterule%

```



```

12692         \unvbox\@mpfootins%
12693     \fi%
12694 }
12695
12696
12697 \renewrobustcmd*\mdf@footnoteinput{%
12698     \def\@mpfn{mpfootnote}%
12699     \def\thempfn{\thempfootnote}%
12700     \c@mpfootnote\z@%
12701     \let\@footnotetext\@mpfootnotetext%
12702     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12703     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12704 }

```

7.78 bidi-media9.sty

```

12705 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12706 {bidi fixes for media9 package for the XeTeX engine}
12707
12708 \keys_define:nn{media9/mbtn}{
12709     draft .code:n = {},
12710     final .code:n = {},
12711
12712     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12713     tooltip .value_required:n = {true},
12714
12715     overface .code:n = {
12716         %\hbox_set:Nn\l_mix_poster_box{#1}
12717         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12718         \mix_pdfxform:n{\l_mix_poster_box}
12719         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12720     },
12721     overface .value_required:n = {true},
12722
12723     downface .code:n = {
12724         %\hbox_set:Nn\l_mix_poster_box{#1}
12725         \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12726         \mix_pdfxform:n{\l_mix_poster_box}
12727         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12728     },
12729     downface .value_required:n = {true},
12730
12731     3Dgotoview .code:n = {
12732         \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
12733         \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
12734         \tl_trim_spaces:N\l_tmpa_tl
12735         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12736             \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12737                 \tl_set:Nx\l_tmpb_tl{#1}           %extract idx
12738                 \regex_replace_once:nnN{([~:~]+:??)}{\1}\l_tmpb_tl

```



```

12739 \tl_trim_spaces:N\l_tmpb_tl
12740 \tl_if_blank:VF\l_tmpb_tl{
12741   \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12742     \tl_set:Nx\l_mix_vidx_tl{/ \l_tmpb_tl}
12743   }{
12744     \regex_match:nVTF{~\d+$}\l_tmpb_tl{
12745       \tl_set:Nx\l_mix_vidx_tl{~ \l_tmpb_tl}
12746     }{
12747       \regex_replace_once:nnN{~\(\s*\)}\l_tmpb_tl
12748       \regex_replace_once:nnN{\s*\)}\l_tmpb_tl
12749       \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
12750     }
12751   }
12752 }
12753 \mix_pdfobj:nnn{}{dict}{
12754   /S/JavaScript/JS~(
12755     if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
12756     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12757       annotRM['\l_tmpa_tl']=
12758       this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12759     }
12760     annotRM['\l_tmpa_tl'].activated=true;
12761   )
12762   \tl_if_blank:VF\l_tmpb_tl{
12763     /Next~<<
12764     /S/GoTo3DView
12765     /TA~\tl_use:c{ann@\l_tmpa_tl}
12766     /V\l_mix_vidx_tl
12767     >>
12768   }
12769 }
12770 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12771 }
12772 }{
12773   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12774   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12775     \tl_new:N\g_mix_refundefwarned_tl
12776     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12777   }
12778 }
12779 },
12780 3Dgotoview .value_required:n = {true},
12781
12782 mediacommand .code:n = {
12783   \tl_set:Nx\l_tmpa_tl{#1}
12784   \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpa_tl %extract ref
12785   \tl_trim_spaces:N\l_tmpa_tl
12786   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12787     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12788       \tl_set:Nx\l_tmpb_tl{#1}

```




```

12789 \regex_replace_once:nnN{[^\:]+\:?\:}\l_tmpb_tl
12790 \tl_trim_spaces:N\l_tmpb_tl
12791 \regex_replace_all:nnN{^\{|\\\$}\:}\l_tmpb_tl
12792 \tl_set:Nx\l_mix_cmd_tl{
12793   \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12794 \tl_trim_spaces:N\l_mix_cmd_tl
12795 \tl_set:Nx\l_mix_arg_tl{
12796   \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12797 \tl_trim_spaces:N\l_mix_arg_tl
12798 \mix_pdfobj:nnn{}\dict{}\{
12799   /S/JavaScript/JS~(
12800     if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
12801     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12802       annotRM['\l_tmpa_tl']=
12803       this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12804     }
12805     annotRM['\l_tmpa_tl'].activated=true;
12806   )
12807   \tl_if_blank:VF\l_mix_cmd_tl{
12808     /Next~<<
12809     /S/RichMediaExecute
12810     /TA~\tl_use:c{ann@\l_tmpa_tl}
12811     /TI~\tl_use:c{main@\l_tmpa_tl}
12812     /CMD~<<
12813     /C~(\l_mix_cmd_tl)
12814     \tl_if_blank:VF\l_mix_arg_tl{
12815       /A~[\l_mix_arg_tl]
12816     }
12817     >>
12818     >>
12819   }
12820 }
12821 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12822 }
12823 }{
12824   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12825   \cs_if_exist:NF\g_mix_refundefwarned_tl{
12826     \tl_new:N\g_mix_refundefwarned_tl
12827     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12828   }
12829 }
12830 },
12831 mediacommand .value_required:n = {true},
12832
12833 jsaction .code:n = {
12834   \tl_set:Nx\l_tmpa_tl{#1}
12835   \regex_match:nVTF{^[^\:]+\:.*$}\l_tmpa_tl{
12836     \regex_replace_once:nnN{([^\:]+\:)?.*}\l_tmpa_tl %extract ref
12837     \tl_trim_spaces:N\l_tmpa_tl
12838   }\tl_clear:N\l_tmpa_tl}

```



```

12839 \tl_set:Nx\l_tmpb_tl{#1}
12840 \tl_if_blank:VF\l_tmpa_tl{
12841   \tl_if_exist:cF{ann@\l_tmpa_tl}{
12842     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12843     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12844       \tl_new:N\g_mix_refundefwarned_tl
12845       \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12846     }
12847   }
12848   \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
12849 }
12850 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12851 \tl_trim_spaces:N\l_tmpb_tl
12852 \tl_if_blank:VF\l_tmpb_tl{
12853   \mix_pdfobj:nnn{}{dict}{
12854     /S/JavaScript/JS~(
12855       try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
12856   \bool_if:nT{
12857     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12858     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12859   }{
12860     \mix_pdfobj:nnn{}{dict}{
12861       /S/JavaScript/JS~(
12862         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12863         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12864           annotRM['\l_tmpa_tl']=
12865           this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12866         }
12867         annotRM['\l_tmpa_tl'].activated=true;
12868       )
12869       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12870     }
12871   }
12872   \bool_if:nT{
12873     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12874     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12875     !\tl_if_blank_p:V\l_tmpb_tl
12876   }{
12877     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12878   }
12879 },
12880 jsaction .value_required:n = {true},
12881
12882 unknown .code:n = {
12883   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
12884 }
12885 }
12886
12887
12888 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file

```



```

12889 \mix_uriend:
12890 \group_begin:
12891 \beginL
12892 \leavevmode
12893 %empty stream as appearance dummy
12894 \cs_if_exist:NF\g_mix_appearance_tl{
12895   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12896   \mix_pdfxform:n{\l_mix_poster_box}
12897   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12898 }
12899 \mix_reset:
12900 \mix_uribegin: %treat URI characters correctly
12901 \keys_set:nn{media9/user}{#1}
12902 \mix_uriend:
12903 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}{&}
12904 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&}{~}
12905 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=}{=}
12906 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}{=}
12907 \tl_gtrim_spaces:N\g_mix_flashvars_tl
12908
12909 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12910
12911 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12912 %\hbox_set:Nn\l_mix_poster_box{#2}
12913 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12914 \mix_scale:n{\l_mix_poster_box}
12915 \bool_if:nT{
12916   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12917   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12918 }{
12919   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12920 }
12921 \bool_if:NTF\g_mix_usrdraft_bool{
12922   \tl_if_empty:NF\g_mix_usrlabel_tl{
12923     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12924   }
12925   \tl_if_blank:oTF{#2}{
12926     \mix_uribegin: %treat URI characters correctly
12927     \mix_draftbox:n{\tl_to_str:n{#3}}
12928     \mix_uriend:
12929   }{
12930     \hbox_to_wd:nn{\g_mix_wd_tl}{
12931       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
12932       \box_use:N\l_mix_poster_box\hss
12933     }
12934   }
12935 }{
12936   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12937     %attach script that switches off play button overlay upon activation
12938     \mix_pdfobj:nnn{}{stream}{

```



```

12939     {}{
12940         var~ocgs=host.getOCGs(host.pageNum);
12941         for(var~i=0;i<ocgs.length;i++){
12942             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
12943                 ocgs[i].state=false;
12944             }
12945         }
12946     }
12947 }
12948 \mix_pdfobj:nnf{}{dict}{
12949     /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12950 }
12951 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12952 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12953 %enforce plain playbutton overlay for XeTeX
12954 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12955 }
12956 %embed main asset
12957 \mix_uribegin:
12958 \mix_embedasset:n{#3}
12959 \bool_if:nTF{
12960     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12961 }{
12962     \bool_gset_true:N\g_mix_iiid_bool
12963     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12964 }{
12965     \str_case_x:nnF{\l_mix_base_tl}{
12966         {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12967         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12968         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12969         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12970         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12971     }\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12972 }
12973 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12974 \mix_uriend:
12975 %secondary assets (added by addresource)
12976 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
12977 \seq_map_inline:Nn\g_mix_script_seq{
12978     \mix_embedasset:n{##1}
12979     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
12980 }
12981 %attach 3D calculation script
12982 \bool_if:nTF{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
12983     \mix_embedasset:n{3Dmenu.js}
12984     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
12985 }
12986 %create 3D views from file (option 3Dviews)
12987 \bool_if:nTF{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
12988     \tl_set:Nn\l_mix_level_tl{c_minus_one}

```



```

12989 \int_zero:N\l_mix_viewcnt_int
12990 \int_zero:N\l_mix_lineno_int
12991
12992 \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
12993 \ior_map_inline:Nn\l_mix_vfile_stream{
12994   \int_incr:N\l_mix_lineno_int
12995   \keys_set:nn{media9/views}{##1} %process input line
12996 }
12997 \ior_close:N\l_mix_vfile_stream
12998 }
12999 \bool_if:nT{ %create default 3D view if required
13000   \g_mix_iiid_bool &&
13001   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13002 }{
13003   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13004   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13005   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13006   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13007   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13008   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13009   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13010
13011   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13012   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13013   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13014   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13015
13016   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13017   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13018   \tl_clear:N\l_mix_naarray_tl
13019
13020   \bool_if:NF\l_mix_ciiw_bool{
13021     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13022     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13023   }
13024
13025   \tl_clear:N\l_mix_naarray_tl
13026   \tl_clear:N\l_mix_saarray_tl
13027   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13028
13029   \mix_view:n{Default}
13030   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13031
13032 }
13033 \mix_pdfobj:nnn{ }{dict}{
13034   /Type/RichMediaInstance
13035   /Subtype/\g_mix_mainassetsub_tl
13036   /Asset~\g_mix_mainasset_tl
13037   \bool_if:NF\g_mix_iiid_bool{
13038     /Params~<<

```



```

13039         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13040         /Foreground
13041         }{
13042         /Background
13043         }
13044         \tl_if_blank:VF\g_mix_flashvars_tl{
13045         /FlashVars~(\g_mix_flashvars_tl)
13046         }
13047         >>
13048     }
13049 }
13050 \tl_if_empty:NF\g_mix_usrlabel_tl{
13051     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13052 }
13053 \mix_pdfobj:nnn{}{dict}{
13054     /Type/RichMediaConfiguration
13055     /Subtype/\g_mix_mainassetssub_tl
13056     /Instances~[\mix_pdflastobj:]
13057 }
13058 \mix_pdfobj:nnn{}{dict}{
13059     /Type/RichMediaContent
13060     /Assets~<</Names~[\g_mix_assets_tl]>>
13061     /Configurations~[\mix_pdflastobj:]
13062     \bool_if:nT{
13063         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13064     }{
13065         /Views~[\l_mix_iiidviewarray_tl]
13066     }
13067 }
13068 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13069 \bool_if:nT{
13070     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13071 }{
13072     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13073 }
13074 %determine floating window size
13075 \bool_if:NT\g_mix_opt_windowed_bool{
13076     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13077 }
13078 \mix_pdfobj:nnn{}{dict}{
13079     /Activation~<<
13080     /Condition\g_mix_act_tl
13081     \bool_if:nT{
13082         \g_mix_iiid_bool &&
13083         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13084     }{
13085         %seems to work only with 3D content
13086         /Animation~<<
13087         /Subtype/\g_mix_playtpe_tl
13088         /PlayCount~\g_mix_playcnt_tl
13089         /Speed~\g_mix_playspd_tl

```



```

13089         >>
13090     }
13091     \bool_if:nTF{
13092         \g_mix_iiid_bool && (
13093         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13094         )
13095     }{/View~\l_mix_dfltview_tl}
13096     /Presentation~<<
13097         /Transparent~\g_mix_transp_tl
13098         \bool_if:NTF\g_mix_opt_windowed_bool{
13099             /Style/Windowed
13100             /Window~<<
13101                 /Width~<</Default~\tl_mix_fltd>>
13102                 /Height~<</Default~\tl_mix_fltht>>
13103                 /Position~<<
13104                     /HOffset~0/VOffset~0
13105                     \str_case_x:nnF{\g_mix_winpos_tl}{
13106                         {tl}{/VAlign/Near/HAlign/Near}
13107                         {cl}{/VAlign/Center/HAlign/Near}
13108                         {bl}{/VAlign/Far/HAlign/Near}
13109                         {bc}{/VAlign/Far/HAlign/Center}
13110                         {br}{/VAlign/Far/HAlign/Far}
13111                         {cr}{/VAlign/Center/HAlign/Far}
13112                         {tr}{/VAlign/Near/HAlign/Far}
13113                         {tc}{/VAlign/Near/HAlign/Center}
13114                     }{/HAlign/Center/VAlign/Center}
13115                 >>
13116             >>
13117         }{
13118             /Style/Embedded
13119         }
13120         \bool_if:NTF\g_mix_iiid_bool{
13121             /Toolbar~\g_mix_tools_tl
13122             /NavigationPane~\g_mix_nav_tl
13123         }{
13124             /PassContextClick~\g_mix_contextclick_tl
13125         }
13126     >>
13127     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13128 >>
13129     /Deactivation~<</Condition\g_mix_deact_tl>>
13130 }
13131 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13132 \tl_if_empty:NF\g_mix_usrlabel_tl{
13133     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13134 }
13135 % #1:width, #2:height, #3:depth, #4:content (key-value)
13136 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13137     /Subtype/RichMedia
13138     /F~4\cs_if_exist_use:N\ocgxii@insert@OC

```



```

13139     /BS~<</W~0/S/S>>
13140 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13141 /NM~(\g_mix_label_tl)
13142 /AP~<</N~\g_mix_appearance_tl>>
13143 /RichMediaSettings~\l_mix_settings_tl
13144 /RichMediaContent~\l_mix_content_tl
13145 }
13146 \tl_if_empty:NF\g_mix_usrlabel_tl{
13147   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13148   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13149     \noexpand\the\g@mix@page@int}
13150 }
13151 \mix_pdfobj:nnn{}{dict}{
13152   /S/JavaScript/JS~(
13153     try{
13154       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13155       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13156         annotRM['\g_mix_label_tl']=
13157           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
13158       }
13159       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13160         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13161           var~ocgs=this.getOCGs(this.pageNum);
13162           for(var~i=0;i<ocgs.length;i++){
13163             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13164               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13165             }
13166           }
13167         }
13168         if(
13169           !annotRM['\g_mix_label_tl'].activated&&(
13170             app.viewerType=='Reader' ||
13171             app.viewerType=='Exchange' ||
13172             app.viewerType=='Exchange-Pro'
13173           )&&app.viewerVersion>=9
13174         ){
13175           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13176         }
13177       }
13178     }catch(e){}
13179     this.dirty=false;
13180   )
13181 }
13182 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13183   /Subtype/Widget
13184   /FT/Btn/Ff~65537/F~2
13185   /BS~<</W~0>>
13186   /T~(fd@\g_mix_label_tl)
13187   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13188 }

```




```

13189 \mix_appendtofields:n{\mix_pdflastann:}
13190 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13191 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13192   \hbox_to_wd:nn{\g_mix_wd_tl}{
13193     \vrule-width~\c_zero_dim-height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13194   }
13195 }{%insert play button overlay
13196   \mix_insert_btnocg: %create OCG
13197   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
13198   %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13199   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13200   \box_move_down:nn{\g_mix_dp_tl}{
13201     \hbox_to_wd:nn{\g_mix_wd_tl}{
13202       \vbox_to_ht:nn{\g_mix_tt_tl}{
13203         \vss
13204         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13205         \box_use:N\l_mix_pbtn_box
13206         \ocgbase_oc_emc:
13207       }
13208     }
13209   }
13210 }
13211 \int_gincr:N\g_mix_rmcnt_int
13212 }
13213 \endL
13214 \group_end:
13215 }
13216 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13217 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13218
13219
13220
13221 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
13222   \mix_uriend:
13223   \group_begin:
13224   \beginL
13225   \leavevmode
13226   %reset various variables
13227   \tl_gclear:N\g_mix_overbtn_tl
13228   \tl_gclear:N\g_mix_downbtn_tl
13229   \tl_gclear:N\g_mix_btnactions_tl
13230   \tl_gclear:N\g_mix_tooltip_tl
13231   %process options
13232   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13233   \mix_uribegin: %treat URI characters correctly
13234   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13235   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13236   \mix_uriend:
13237   %normal button appearance
13238   %\hbox_set:Nn\l_mix_poster_box{#2}

```



```

13239 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13240 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13241 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
13242 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13243 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13244   \mix_pdfxform:n{\l_mix_poster_box}
13245   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13246   \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13247 %   \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13248     !\cs_if_exist:NTF\ocgxii@insert@OC{
13249       \tl_if_blank_p:V\ocgxii@insert@OC
13250     }{
13251       \c_true_bool
13252     }
13253   }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13254   %insert widget annotation
13255   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13256     /Subtype/Widget
13257     /T~(mbtn@int_use:N\g_mix_mbtncnt_int)
13258     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13259     /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13260     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13261     /AP~<<
13262     /N~\g_mix_normalbtn_tl
13263     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13264     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13265     >>
13266     /MK~<<
13267     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13268     /I~\g_mix_normalbtn_tl
13269     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13270     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13271     >>
13272     /A~<<
13273     /S/JavaScript/JS~(app.focusRect=false;)
13274     %sequence of actions to perform
13275     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13276     >>
13277   }
13278   \mix_appendtofields:n{\mix_pdflastann:}
13279   \hbox_to_wd:nn{\width}{
13280     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13281   }
13282   \int_gincr:N\g_mix_mbtncnt_int
13283 }
13284 \endL
13285 \group_end:
13286 }
13287 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13288 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}

```



13289
13290
13291

7.79 memoir-xetex-bidi.def

```
13292 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX
13293 \renewcommand{\keepthetitle}{%
13294   \@bsmtitleempty
13295   \global\let\thanks\relax
13296   \global\let\LTRthanks\relax
13297   \global\let\RTLthanks\relax
13298   \global\let\and\relax
13299   \global\let\andnext\relax
13300   \global\let\@thanks\@empty
13301   \global\let\@title\@empty
13302   \global\let\@author\@empty
13303   \global\let\@date\@empty}
13304 \renewcommand{\maketitle}{\par
13305   \begingroup
13306     \@bsmarkseries
13307     \def\@makefnmark{\@textsuperscript{%
13308       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13309     \long\def\@makeintext##1{\makethanksmark ##1}
13310     \if@twocolumn
13311       \ifnum \col@number=\@ne
13312         \@maketitle
13313       \else
13314         \twocolumn[\@maketitle]%
13315       \fi
13316     \else
13317       \ifdim\pagetotal>\z@
13318         \newpage
13319       \fi
13320       \global\@topnum\z@
13321       \@maketitle
13322     \fi
13323     \thispagestyle{title}\@thanks
13324   \endgroup
13325   \@bscontmark % \setcounter{footnote}{0}%
13326 }
13327 \renewcommand*\memRTLleftskip{\if@RTL\rightskip\else\leftskip\fi}
13328 \renewcommand*\memRTLrightskip{\if@RTL\leftskip\else\rightskip\fi}
13329 \renewcommand*\memRTLvleftskip{\if@RTL\vrightskip\else\vleftskip\fi}
13330 \renewcommand*\memRTLvrightskip{\if@RTL\vleftskip\else\vrightskip\fi}
13331 \renewcommand*\memRTLraggedright{\if@RTL\raggedleft\else\raggedright\fi}
13332 \renewcommand*\memRTLraggedleft{\if@RTL\raggedright\else\raggedleft\fi}
13333 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13334 \renewcommand*\thesubsection{%
13335   \thesection\@SepMark\@arabic\c@subsection}
```



```

13336 \renewcommand*{\thesubsubsection}{%
13337     \thesubsection\@SepMark\@arabic\c@subsubsection}
13338 \renewcommand*{\theparagraph}{%
13339     \thesubsubsection\@SepMark\@arabic\c@paragraph}
13340 \renewcommand*{\thesubparagraph}{%
13341     \theparagraph\@SepMark\@arabic\c@subparagraph}
13342 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13343 \renewcommand{\theequation}{%
13344     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13345 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13346 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13347 \ifartopt
13348     \chapterstyle{article}
13349     \counterwithout{figure}{chapter}
13350     \counterwithout{table}{chapter}
13351     \counterwithout{footnote}{chapter}
13352     \counterwithout{equation}{chapter}
13353     \renewcommand{\chaptername}{\}
13354     \renewcommand{\maketitlehookb}{%
13355         \vskip -1.5\topsep\vskip -1.5\partopsep}
13356     \renewcommand{\maketitlehookc}{%
13357         \vskip -1.5\topsep\vskip -1.5\partopsep}
13358 \fi
13359 \long\def\@makecaption#1#2{\let\@memtempa\relax
13360     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13361     \else \def\@memtempa{\vbox to\topskip{}}\fi
13362     \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
13363     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13364     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13365     \let\footnote\@contfnote
13366     \let\footnotemark\@contfmark
13367     \ifdim\wd\@tempboxa<\linewidth \centering \fi
13368     \if@contcw
13369         \centering
13370         \parbox{\@contcwidth}{%
13371             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13372         \fi
13373     \ifdim\wd\@tempboxa<\linewidth
13374         \@contpre
13375         {\@contnfont #1\@contdelim}\@memtempa
13376         {\@contcshortstyle \@conttfont #2\@contfinal\par}
13377     \else
13378         \if@conthang
13379             \sbox\@tempboxa{\@contnfont #1\@contdelim}
13380             \@contpre%
13381             {\@contcstyle\hangindent=\wd\@tempboxa
13382                 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13383         \else
13384             \if@contindent
13385                 \@contpre%

```



```

13386      {\@contnfont #1\@contdelim}\@memtempa
13387      {\@contcstyle\hangindent=\@contindw
13388        \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
13389    \else
13390      \@contpre%
13391      {\@contnfont #1\@contdelim}\@memtempa
13392      {\@contcstyle \@conttfont #2\@contfinal\par}
13393    \fi
13394  \fi
13395 \fi
13396 \@contpost
13397 \if@contcw
13398   \par
13399   } % end of the \parbox
13400 \fi
13401 \vskip\belowcaptionskip}
13402 \ifpackageloaded{caption}{%
13403 \AtBeginPackage{caption}{
13404 \ClassWarningNoLine{memoir}{%
13405   You are using the caption package with the memoir \MessageBreak
13406   class. This may cause unexpected or inconsistent \MessageBreak
13407   results if you use any of memoir's captioning facilities}
13408 }
13409 \long\def\@makecaption##1##2{%
13410   \vskip\abovecaptionskip
13411   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13412   \ifdim \wd\@tempboxa >\hsize
13413     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13414   \else
13415     \global \@minipagefalse
13416     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13417   \fi
13418   \vskip\belowcaptionskip}
13419
13420 \def\caption{%
13421   \ifx\@captive\@undefined
13422     \@latexerror{\noexpand\caption outside float}\@ehd
13423     \expandafter\@gobble
13424   \else
13425     \refstepcounter\@captive
13426     \expandafter\@firstofone
13427   \fi
13428   {\@dblarg{\@caption\@captive}}}%
13429 }
13430
13431 \long\def\@caption##1[##2]##3{%
13432   \par
13433   \addcontentsline{\csname ext@##1\endcsname}{##1}%
13434   {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
13435   \begingroup

```



```

13436 \parboxrestore
13437 \if@minipage
13438 \setminipage
13439 \fi
13440 \normalsize
13441 \@makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
13442 \endgroup}
13443 }}{}
13444 \renewenvironment{thebibliography}[1]{%
13445 \bibsection
13446 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13447 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.8o midfloat-xetex-bidi.def

```

13448 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for
13449 \def\RTL@outputdblcol{%
13450 \if@firstcolumn
13451 \global \@firstcolumnfalse
13452 \global\setbox\@leftcolumn\copy\@outputbox
13453 \splitmaxdepth\maxdimen
13454 \vbadness\maxdimen
13455 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13456 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13457 \toks@\expandafter{\topmark}%
13458 \xdef\@firstcoltopmark{\the\toks@}%
13459 \toks@\expandafter{\splitfirstmark}%
13460 \xdef\@firstcolfirstmark{\the\toks@}%
13461 \ifx\@firstcolfirstmark\@empty
13462 \global\let\@setmarks\relax
13463 \else
13464 \gdef\@setmarks{%
13465 \let\firstmark\@firstcolfirstmark
13466 \let\topmark\@firstcoltopmark}%
13467 \fi
13468 \global\c@colht\@colht\global\c@addvipersep\z@
13469 \ifnum\jua@sk>0
13470 \remove@strip\jua@sar
13471 \global\@colht\the\jua@pr
13472 \ifdim\right@cor>\z@
13473 \global\advance\@colht by\right@cor
13474 \fi
13475 \global\advance\@colht by\cor@height
13476 \global\cor@height=0pt
13477 \fi
13478 \global \setbox\@rightcolumn \vbox{}%
13479 \else
13480 \ifdim\c@colht>\@colht
13481 \tempdima\@colht
13482 \ifdim\@colht>\z@

```



```

13483         \global\setbox\@rightcolumn \vbox{%
13484             \unvbox\@rightcolumn
13485             \vbox to\@tempdima{%
13486                 \vskip\c@addvipersep\unvbox\@outputbox}%
13487             \vskip\stripsep
13488             \rule height\the\jua@ht width 0pt depth 0pt
13489             \vskip\stripsep
13490             }%
13491     \global\c@addvipersep\m@addvipersep
13492     \else
13493     \global\setbox\@rightcolumn \vbox{%
13494         \unvbox\@rightcolumn
13495         \rule height\the\jua@ht width 0pt depth 0pt
13496         \vskip\stripsep
13497         }%
13498     \fi
13499     \ifnum\jua@sk>0
13500         \remove@strip\jua@sar
13501         \global\@colht\the\jua@pr
13502         \global\advance\@colht by -\ht\@rightcolumn
13503         \global\advance\@colht by\cor@height
13504         \global\cor@height=0pt
13505     \else
13506         \global\advance\c@colht by-\ht\@rightcolumn
13507         \global\@colht\c@colht
13508     \fi
13509 \else
13510 \global\@firstcolumntrue
13511 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13512     \unvbox\@rightcolumn
13513     \vskip\c@addvipersep
13514     \unvbox\@outputbox
13515     }%
13516 \setbox\@outputbox \vbox {%
13517     \hb@xt@\textwidth {%
13518         \hskip \columnwidth
13519         \hfil
13520         \vrule \@width\columnseprule
13521         \hfil
13522         \hb@xt@\columnwidth {%
13523             \box\@leftcolumn \hss}%
13524         \hskip-\textwidth
13525         \hb@xt@\columnwidth {%
13526             \box\@outputbox \hss}%
13527         \hskip\columnwidth
13528         \hskip\columnsep}%
13529     }%
13530 \@combinedblfloats
13531 \@setmarks
13532 \@outputpage

```



```

13533 \begingroup
13534 \@dblfloatplacement
13535 \@startdblcolumn
13536 \@whiles\if@fcolmade \fi
13537 {\@outputpage
13538 \@startdblcolumn}%
13539 \endgroup
13540 \global\jua@sk=0\global\jua@sar={}
13541 \global\cor@height\z@\global\c@addvipersep\z@
13542 \fi
13543 \fi
13544 }
13545
13546
13547 \def\LTR@outputdblcol{%
13548 \if@firstcolumn
13549 \global \@firstcolumnfalse
13550 \global\setbox\@leftcolumn\copy\@outputbox
13551 \splitmaxdepth\maxdimen
13552 \vbadness\maxdimen
13553 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13554 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13555 \toks@ \expandafter{\topmark}%
13556 \xdef\@firstcoltopmark{\the\toks@}%
13557 \toks@ \expandafter{\splitfirstmark}%
13558 \xdef\@firstcolfirstmark{\the\toks@}%
13559 \ifx\@firstcolfirstmark\@empty
13560 \global\let\@setmarks\relax
13561 \else
13562 \gdef\@setmarks{%
13563 \let\firstmark\@firstcolfirstmark
13564 \let\topmark\@firstcoltopmark}%
13565 \fi
13566 \global\c@colht\@colht\global\c@addvipersep\z@
13567 \ifnum\jua@sk>0
13568 \remove@strip\jua@sar
13569 \global\@colht\the\jua@pr
13570 \ifdim\right@cor>\z@
13571 \global\advance\@colht by\right@cor
13572 \fi
13573 \global\advance\@colht by\cor@height
13574 \global\cor@height=0pt
13575 \fi
13576 \global \setbox\@rightcolumn \vbox{}%
13577 \else
13578 \ifdim\c@colht>\@colht
13579 \@tempdima\@colht
13580 \ifdim\@colht>\z@
13581 \global\setbox\@rightcolumn \vbox{%
13582 \unvbox\@rightcolumn

```




```

13583         \vbox to\@tempdima{%
13584             \vskip\c@addvipersep\unvbox\@outputbox}%
13585         \vskip\stripsep
13586         \vrule height\the\jua@ht width Opt depth Opt
13587         \vskip\stripsep
13588     }%
13589     \global\c@addvipersep\m@addvipersep
13590     \else
13591     \global\setbox\@rightcolumn \vbox{%
13592         \unvbox\@rightcolumn
13593         \vrule height\the\jua@ht width Opt depth Opt
13594         \vskip\stripsep
13595     }%
13596     \fi
13597     \ifnum\jua@sk>0
13598         \remove@strip\jua@sar
13599         \global\@colht\the\jua@pr
13600         \global\advance\@colht by -\ht\@rightcolumn
13601         \global\advance\@colht by\cor@height
13602         \global\cor@height=Opt
13603     \else
13604         \global\advance\c@colht by-\ht\@rightcolumn
13605         \global\@colht\c@colht
13606     \fi
13607 \else
13608     \global\@firstcolumntrue
13609     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13610         \unvbox\@rightcolumn
13611         \vskip\c@addvipersep
13612         \unvbox\@outputbox
13613     }%
13614     \setbox\@outputbox \vbox {%
13615         \hb@xt@\textwidth {%
13616             \hb@xt@\columnwidth {%
13617                 \box\@leftcolumn \hss}%
13618             \hfil
13619             \vrule \@width\columnseprule
13620             \hfil
13621             \hb@xt@\columnwidth {%
13622                 \box\@outputbox \hss}%
13623             }%
13624         }%
13625     \@combinedblfloats
13626     \@setmarks
13627     \@outputpage
13628     \beginingroup
13629     \@dblfloatplacement
13630     \@startdblcolumn
13631     \@whilesw\if@fcolmade \fi
13632     {\@outputpage

```



```

13633         \@startdblcolumn}%
13634     \endgroup
13635     \global\jua@sk=0\global\jua@sar={}%
13636     \global\cor@height\z@\global\c@advipersep\z@
13637     \fi
13638 \fi
13639 }
13640
13641
13642 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13643 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\hsize\textwidth
13644     \hspace\textwidth
13645     \@parboxrestore
13646     \col@number \@ne
13647     \vrule height\topskip width0pt depth0pt
13648 }
13649
13650 \def\endstrip{%
13651     \egroup\egroup
13652     \if@firstcolumn
13653         \ifdim\pagetotal>\z@
13654             \vskip\stripsep
13655             \global\ht@strip\pagegoal
13656             \global\advance\ht@strip by-\pagetotal
13657             \global\advance\ht@strip by-\stripsep
13658             \global\advance\ht@strip by-\ht\@viper
13659             \global\advance\ht@strip by-\stripsep
13660             \global\jua@ht=\ht\@viper
13661         \else
13662             \global\ht@strip\z@
13663         \fi
13664         \ifdim\ht@strip>\z@
13665             \unvbox\@viper
13666             \vskip\stripsep
13667             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13668             \global\advance\jua@sk by1
13669         \else
13670             \@latex@error{Strip needs more place!}\@ehc
13671             \if@vihproof
13672                 \framebox[\columnwidth]{??? Strip ???}%
13673             \fi
13674         \fi
13675     \else
13676         \@latex@error{Strip is used only on left column!}\@ehc
13677         \if@vihproof
13678             \framebox[\columnwidth]{??? Strip ???}%
13679         \fi
13680     \fi
13681 }

```



7.81 minitoc-xetex-bidi.def

```

13682 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for X
13683 \def\@undottedtocline#1#2#3#4#5{%
13684   \ifnum #1>\c@tocdepth\relax \else
13685     \vskip \z@ plus.2\p@
13686     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13687     \parindent #2\relax\@afterindenttrue
13688     \interlinepenalty\@M
13689     \leavevmode
13690     \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}}%
13691     \hskip -\if@RTL\righskip\else\leftskip\fi
13692     #4\nobreak\hfill \nobreak
13693     \null\par}%
13694   \fi}
13695 \def\@Undottedtocline#1#2#3#4#5{%
13696   \ifnum #1>\c@tocdepth\relax \else
13697     \vskip \z@ \@plus.2\p@
13698     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13699     \parindent #2\relax\@afterindenttrue
13700     \interlinepenalty\@M
13701     \leavevmode
13702     \@tempdima #3\relax
13703     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\fi
13704     {\coffefont #4}\nobreak \nobreak\null
13705     \par}%
13706   \fi}
13707 \def\@Undottedtoclinep#1#2#3#4#5{%
13708   \ifnum #1>\c@tocdepth\relax \else
13709     \vskip \z@ \@plus.2\p@
13710     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13711     \parindent #2\relax\@afterindenttrue
13712     \interlinepenalty\@M
13713     \leavevmode
13714     \@tempdima #3\relax
13715     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\fi
13716     {#4}\nobreak \hfill \nobreak\null
13717     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13718     \par}%
13719   \fi}

```

7.82 multicol-xetex-bidi.def

```

13720 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
13721 \def\page@sofar{%
13722   \process@cols\mult@rightbox
13723   {\ifvoid\count@
13724     \setbox\count@\hbox to\hsize{}}%
13725   \else
13726     \wd\count@\hsize
13727   \fi}%

```



```

13728 \count@\col@number \advance\count@\m@ne
13729 \mult@info\z@
13730 {Column spec: \the\full@width\space = indent
13731             + columns + sep =\MessageBreak
13732             \the\multicol@leftmargin\space
13733             + \the\col@number\space
13734             x \the\hsize\space
13735             + \the\count@\space
13736             x \the\columnsep
13737         }%
13738 \ifvmode\else\errmessage{Multicol Error}\fi
13739 \nointerlineskip
13740 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
13741 \moveright\multicol@leftmargin
13742 \hbox to\full@width{%
13743     \bidi@multicol@align@columns
13744     \rlap{\phantom p}%
13745 }%
13746 \prevdepth\z@
13747 \kern-\dimen\tw@
13748 \ifdim\dimen\tw@ > \mc@gridwarn
13749 \PackageWarning{multicol}%
13750 {Very deep columns!\MessageBreak
13751  Grid alignment might be broken}%
13752 \fi
13753 }
13754 \def\LTR@column@boxes{%
13755     \process@cols\mult@gfirstbox{%
13756         \ifdim\dp\count@>\dimen\tw@
13757         \global\dimen\tw@\dp\count@ \fi
13758         \mc@col@status@write
13759         \box\count@
13760         \hss{\columnseprulecolor\vrule
13761             \@width\columnseprule}\hss}%
13762     \ifdim\dp\mult@rightbox>\dimen\tw@
13763     \global\dimen\tw@\dp\mult@rightbox \fi
13764     \mc@lastcol@status@write
13765     \box\mult@rightbox
13766 }
13767
13768 \def\RTL@column@boxes{%
13769     \process@cols\mult@gfirstbox{%
13770         \hskip\hsize
13771         \hss{\columnseprulecolor\vrule
13772             \@width\columnseprule}\hss
13773     }%
13774     \hskip\hsize
13775     \process@cols\mult@gfirstbox{%
13776         \ifdim\dp\count@>\dimen\tw@
13777         \global\dimen\tw@\dp\count@ \fi

```



```

13778     \hskip-\hsize
13779     \mc@col@status@write
13780     \box\count@
13781     \hskip-\hsize
13782     \hskip-\columnsep
13783   }%
13784   \ifdim\dp\mult@rightbox>\dimen\tw@
13785     \global\dimen\tw@\dp\mult@rightbox \fi
13786   \hskip-\hsize
13787   \mc@lastcol@status@write
13788   \box\mult@rightbox
13789   \hskip-\hsize
13790   \hskip\full@width
13791 }
13792 \newcommand\RTLmulticolcolumns
13793   {\let\bidimulticol@align@columns
13794     \RTL@column@boxes}
13795 \newcommand\LTRmulticolcolumns
13796   {\let\bidimulticol@align@columns
13797     \LTR@column@boxes}
13798 \newcommand\bidimulticol@align@columns
13799   {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13800 \def\multicols#1{\col@number#1\relax
13801   \ifnum\col@number<\tw@
13802     \PackageWarning{multicol}%
13803       {Using ``\number\col@number'
13804         columns doesn't seem a good idea.^^J
13805         I therefore use two columns instead}%
13806     \col@number\tw@ \fi
13807   \ifnum\col@number>10
13808     \PackageError{multicol}%
13809       {Too many columns}%
13810     {Current implementation doesn't
13811       support more than 10 columns.%
13812     \MessageBreak
13813     I therefore use 10 columns instead}%
13814   \col@number10 \fi
13815   \ifx\@footnotetext\mult@footnotetext\else
13816     \let\orig@footnotetext\@footnotetext
13817     \let\@footnotetext\mult@footnotetext
13818   \fi
13819   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13820     \let\orig@LTRfootnotetext\@LTRfootnotetext
13821     \let\@LTRfootnotetext\mult@LTRfootnotetext
13822   \fi
13823   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13824     \let\orig@RTLfootnotetext\@RTLfootnotetext
13825     \let\@RTLfootnotetext\mult@RTLfootnotetext
13826   \fi
13827   \@ifnextchar[\mult@cols{\mult@cols[]}]

```



```

13828 \long\def\mult@footnotetext#1{\begingroup
13829     \hsize\textwidth
13830     \columnwidth\textwidth
13831     \orig@footnotetext{#1}\endgroup}
13832 \long\def\mult@LTRfootnotetext#1{\begingroup
13833     \hsize\textwidth
13834     \columnwidth\textwidth
13835     \orig@LTRfootnotetext{#1}\endgroup}
13836 \long\def\mult@RTLfootnotetext#1{\begingroup
13837     \hsize\textwidth
13838     \columnwidth\textwidth
13839     \orig@RTLfootnotetext{#1}\endgroup}
13840 \def\right@footnoterule{%
13841     \kern-3\p@
13842     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13843     \kern2.6\p@}
13844 \def\textwidth@footnoterule{\kern-3\p@
13845     \hrule \@width \textwidth \kern 2.6\p@}

```

7.83 multienum-xetex-bidi.def

```

13846 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package f
13847 \renewcommand{\itemx}[1]{\parbox[t]%
13848 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13849 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13850 \renewcommand{\itemxx}[2]{\parbox[t]%
13851 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13852 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13853 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13854 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip
13855 \renewcommand{\itemxxx}[3]{\parbox[t]%
13856 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13857 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13858 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
13859 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
13860 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13861 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13862 \renewcommand{\itemxxxx}[4]{\parbox[t]%
13863 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13864 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
13865 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13866 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13867 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13868 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13869 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13870 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13871 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
13872 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13873 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
13874 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

13875 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
13876 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13877 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
13878 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13879 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
13880 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13881 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
13882 \renewcommand{\itemxox}[2]{\parbox[t]{%
13883 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13884 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13885 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13886 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13887 \renewcommand{\itemxox}[2]{\parbox[t]{%
13888 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13889 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13890 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13891 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
13892 \renewcommand{\itemxox}[3]{\parbox[t]{%
13893 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13894 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13895 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13896 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13897 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13898 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13899 \renewcommand{\itemxox}[3]{\parbox[t]{%
13900 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13901 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13902 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13903 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13904 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13905 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13906 \renewcommand{\itemxox}[3]{\parbox[t]{%
13907 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13908 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13909 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13910 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13911 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13912 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

7.84 natbib-xetex-bidi.def

```

13913 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13914 \renewenvironment{thebibliography}[1]{%
13915 \bibsection
13916 \parindent\z@
13917 \bibpreamble
13918 \bibfont
13919 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13920 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13921 \ifNAT@openbib

```



```

13922 \renewcommand\newblock{\par}%
13923 \else
13924 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13925 \fi
13926 \sloppy\clubpenalty4000\widowpenalty4000
13927 \sfcode`\.\@m
13928 \let\NAT@bibitem@first@sw\@firstoftwo
13929 \let\citeN\cite \let\shortcite\cite
13930 \let\citeasnoun\cite
13931 }{%
13932 \bibitem@fin
13933 \bibpostamble
13934 \def\@noitemerr{%
13935 \PackageWarning{natbib}{Empty `thebibliography' environment}%
13936 }%
13937 \endlist
13938 \bibcleanup
13939 }%

```

7.85 newfloat-xetex-bidi.def

```

13940 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13941 \renewcommand*\newfloat@setwithin[2]{%
13942 \ifcsname c@chapter\endcsname
13943 \@removefromreset{#1}{chapter}%
13944 \fi
13945 \@removefromreset{#1}{section}%
13946 \edef\@tempa{#2}%
13947 \ifx\@tempa\@empty
13948 \def\@tempa{none}%
13949 \fi
13950 \def\@tempb{none}%
13951 \ifx\@tempa\@tempb
13952 \ifcsname c@chapter\endcsname
13953 \@chapterlistsgap@off{#1}%
13954 \fi
13955 \newfloat@@setwithin{#1}{\@tempa}%
13956 \else
13957 \def\@tempb{chapter}%
13958 \ifx\@tempa\@tempb
13959 \@addtoreset{#1}{chapter}%
13960 \@chapterlistsgap@on{#1}%
13961 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
13962 \else
13963 \def\@tempb{section}%
13964 \ifx\@tempa\@tempb
13965 \@addtoreset{#1}{section}%
13966 \ifcsname c@chapter\endcsname
13967 \@addtoreset{#1}{chapter}%
13968 \@chapterlistsgap@on{#1}%

```




```

13969     \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13970     \else
13971     \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
13972     \fi
13973     \else
13974     \newfloat@Error{Invalid value `#2' for option `within'}%
13975     \fi
13976 \fi
13977 \fi}

```

7.86 ntheorem-xetex-bidi.def

```

13978 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for xetex]
13979 \gdef\@thm#1#2#3{%
13980   \if@thmmarks
13981     \stepcounter{end\InTheoType ctr}%
13982   \fi
13983   \renewcommand{\InTheoType}{#1}%
13984   \if@thmmarks
13985     \stepcounter{curr#1ctr}%
13986     \setcounter{end#1ctr}{0}%
13987   \fi
13988   \refstepcounter{#2}%
13989   \theorem@prework
13990   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
13991   \ifvmode \advance\thm@topsepadd\partopsep\fi
13992   \@trivlist
13993   \@topsep \theorempreskipamount
13994   \@topsepadd \thm@topsepadd % used by \@endparenv
13995   \advance\linewidth -\theorem@indent
13996   \advance\@totalleftmargin \theorem@indent
13997   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13998   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.87 ntheorem-hyper-xetex-bidi.def

```

13999 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper package for xetex]
14000 \gdef\@thm#1#2#3{%
14001   \if@thmmarks
14002     \stepcounter{end\InTheoType ctr}%
14003   \fi
14004   \renewcommand{\InTheoType}{#1}%
14005   \if@thmmarks
14006     \stepcounter{curr#1ctr}%
14007     \setcounter{end#1ctr}{0}%
14008   \fi
14009   \refstepcounter{#2}%
14010   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14011   \ifvmode \advance\thm@topsepadd\partopsep\fi
14012   \@trivlist
14013   \@topsep \theorempreskipamount

```



```

14014 \@topsepadd \thm@topsepadd % used by \@endparenv
14015 \advance\linewidth -\theorem@indent
14016 \advance\@totalleftmargin \theorem@indent
14017 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14018 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.88 overpic-xetex-bidi.def

```

14019 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for X
14020 \renewenvironment{overpic}[2][\%
14021 \sbox{\z@}{\includegraphics[#1]{#2}}\%
14022 \settodepth{\@tempcnta}{\usebox{\z@}}\%
14023 \settoheight{\@tempcntb}{\usebox{\z@}}\%
14024 \advance\@tempcntb\@tempcnta\%
14025 \settowidth{\@tempcnta}{\usebox{\z@}}\%
14026 \setlength{\@tempdima}{\unitlength}\%
14027 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}\%
14028 \%
14029 \OVP@calc\%
14030 \%
14031 \begin{picture}(\@tempcnta,\@tempcntb)\%
14032 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\%
14033 \ifGin@grid\%
14034 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont\%
14035 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}\%
14036 \fi\fi\%
14037 % reset the graphics parameter
14038 \let\Gin@outer@scalex\relax
14039 \let\Gin@outer@scaley\relax
14040 \let\Gin@angle\relax
14041 \let\Gin@ewidth\Gin@exclamation
14042 \let\Gin@eheight\Gin@ewidth
14043 \def\Gin@scalex{1}
14044 \let\Gin@scaley\Gin@exclamation
14045 }\fi\%
14046 \if@RTL\ifGin@grid\%
14047 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont\%
14048 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}\%
14049 \fi\%
14050 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi\%
14051 \end{picture}\%
14052 }\%

```

7.89 pdfpages-xetex-bidi.def

```

14053 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
14054 \renewcommand*{\includepdf}[2][\%
14055 \begin{group
14056 \@RTLfalse
14057 \let\AM@threadname\relax
14058 \AM@split@options{pdfpages}{#1}\%

```



```

14059 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
14060 \expandafter\setkeys\AM@temp
14061 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14062   \let\AM@currentdocname\relax
14063   \renewcommand\includegraphics[2][]{Survey in draft-mode}%
14064   \def\AM@pagecount{0}%
14065 }{%
14066   \AM@findfile{#2}%
14067   \if\AM@threadname\relax
14068     \def\AM@threadname{\AM@currentdocname}%
14069   \fi
14070 }%
14071 \ifAM@survey
14072   \def\AM@pagestemp{}%
14073   \@tempcnta=0
14074   \def\foo{%
14075     \@ifundefined{r@AM@xrprefix pdfpages@page\the\@tempcnta}%
14076     {\let\foo\relax}
14077     {\expandafter\ifx\expandafter\\AM@pagestemp\\
14078       \edef\AM@pagestemp{%
14079         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14080       \else
14081         \edef\AM@pagestemp{\AM@pagestemp,%
14082           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14083       \fi
14084       \advance\@tempcnta 1\relax
14085     }%
14086     \foo
14087   }%
14088   \foo
14089   \expandafter\ifx\expandafter\\AM@pagestemp\\
14090   \def\AM@pagestemp{1}%
14091   \fi
14092 \fi
14093 \ifAM@output
14094   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14095   \AM@output{#1}%
14096 \fi
14097 \AM@CheckAtEnd
14098 \endgroup
14099 \AM@ClearShipoutPicture
14100 }

```

7.90 pgfcorescopes.code-xetex-bidi.def

```

14101 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf package]
14102 \def\pgfpicture{%
14103   \begingroup%
14104   \ifmmode\else\@RTLfalse\beginL\fi%
14105   \pgfpicturetrue%

```



```

14106 \global\advance\pgf@picture@serial@count by1\relax%
14107 \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
14108 \let\pgf@nodecallback=\pgfutil@gobble%
14109 \pgf@picmaxx=-16000pt\relax%
14110 \pgf@picminx=16000pt\relax%
14111 \pgf@picmaxy=-16000pt\relax%
14112 \pgf@picminy=16000pt\relax%
14113 \pgf@relevantforpicturesizetrue%
14114 \pgf@resetpathsizes%
14115 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14116 \def\endpgfpicture{%
14117     \ifpgfrememberpicturerepositiononpage%
14118         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14119     \fi%
14120     % ok, now let's position the box
14121     \ifdim\pgf@picmaxx=-16000pt\relax%
14122         % empty picture. make size 0.
14123         \global\pgf@picmaxx=0pt\relax%
14124         \global\pgf@picminx=0pt\relax%
14125         \global\pgf@picmaxy=0pt\relax%
14126         \global\pgf@picminy=0pt\relax%
14127     \fi%
14128     % Shift baseline outside:
14129     \pgf@relevantforpicturesizefalse%
14130     \pgf@process{\pgf@baseline}%
14131     \xdef\pgf@shift@baseline{\the\pgf@y}%
14132     %
14133     \pgf@process{\pgf@trimleft}%
14134     \global\advance\pgf@x by-\pgf@picminx
14135     % prepare \hskip\pgf@trimleft@final.
14136     % note that \pgf@trimleft@final is also queried
14137     % by the pgf image externalization.
14138     \xdef\pgf@trimleft@final{-\the\pgf@x}%
14139     %
14140     \pgf@process{\pgf@trimright}%
14141     \global\advance\pgf@x by-\pgf@picmaxx
14142     % prepare \hskip\pgf@trimright@final.
14143     % note that \pgf@trimright@final is also queried
14144     % by the pgf image externalization.
14145     \xdef\pgf@trimright@final{\the\pgf@x}%
14146     %
14147     \pgf@remember@layerlist@globally
14148     \endgroup%
14149     \hss%
14150     \egroup%
14151     \pgf@restore@layerlist@from@global
14152     \pgf@insertlayers%
14153     \endgroup%
14154     \pgfsys@discardpath%
14155     \endgroup%

```



```

14156     \pgfsys@endscope%
14157     \pgfsys@endpicture%
14158     \endgroup%
14159     \hss
14160 \egroup%
14161 \pgfsys@typesetpicturebox\pgfpic%
14162 \ifmmode\else\endL\fi%
14163 \endgroup%
14164 }

```

7.91 picinpar-xetex-bidi.def

```

14165 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14166 \long\def\@makewincaption#1#2{%
14167     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14168     \ifdim\wd\@tempboxa>\picwd
14169         {\footnotesize{\bf #1:\enspace}{#2\par}}
14170     \else
14171         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14172     \fi}
14173 \def\endwindow{%
14174     \global\tcd=\tcdsav
14175     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14176     \vbadness=10000
14177     \splittopskip=0pt
14178 %
14179 % Typeset the lines above the window
14180 %
14181 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14182 \tcn=\tcd
14183 \loop\advance\tcn -1
14184 \setbox\fslice=\vsplit\holder to\baselineskip
14185 \prune\fslice\linewidth
14186 \topheight=0pt
14187 \ifnum\dp\fslice>\dp\wstrutbox
14188     \advance\topheight-\dp\fslice
14189     \advance\topheight\dp\wstrutbox
14190     \advance\topheight\ilg\fi
14191 \hbox to\linewidth{\box\fslice}
14192 \vskip-\topheight
14193 \ifdim\ht\holder>0pt\repeat
14194 \fi
14195 %
14196 % Now we build the boxes beside the window
14197 %
14198 \global\topheight=\tcl\baselineskip
14199 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14200     \global\topheight=\vpic
14201 \fi
14202 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi

```



```

14203 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14204 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14205 \tcn=\tcl \na=0 \nb=0
14206 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14207 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14208 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14209 \ifnum\na=0\ifnum\nb=0
14210     \setbox\waslice=\vbox to\vpic{\vss}
14211     \setbox\wbslice=\vbox to\vpic{\vss}
14212     \bl=1\br=1
14213     \vskip\ilg
14214 \fi\fi
14215 %
14216 % both sides
14217 %
14218 \ifnum\na>0 \ifnum\nb>0
14219 \loop\advance\nb -1
14220 \advance\na -1
14221 \if@RTL%
14222 \setbox\bslice=\vsplit\holder to\baselineskip
14223 \prune\bslice\rtside
14224 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14225 to\rtside{\box\bslice\hfil}}
14226 \setbox\aslice=\vsplit\holder to\baselineskip
14227 \prune\aslice\lftside
14228 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14229 to\lftside{\box\aslice\hfil}}
14230 \else%
14231 \setbox\aslice=\vsplit\holder to\baselineskip
14232 \prune\aslice\lftside
14233 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14234 to\lftside{\box\aslice\hfil}}
14235 \setbox\bslice=\vsplit\holder to\baselineskip
14236 \prune\bslice\rtside
14237 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14238 to\rtside{\box\bslice\hfil}}
14239 \fi%
14240 \ifnum\nb>0\repeat
14241 \fi\fi
14242 %
14243 % only text on the left side
14244 %
14245 \ifnum\na>0
14246     \loop\advance\na -1
14247     \setbox\aslice=\vsplit\holder to\baselineskip
14248     \prune\aslice\lftside
14249     \setbox\waslice=\vbox{\unvbox\waslice\hbox
14250 to\lftside{\box\aslice\hfil}}
14251     \ifdim\ht\holder>0pt\repeat
14252 \fi

```



```

14253 %
14254 % only text on the right side
14255 %
14256 \ifnum\nb>0
14257   \loop\advance\nb -1
14258   \setbox\bslice=\vsplit\holder to\baselineskip
14259   \prune\bslice\rtside
14260   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14261     to\rtside{\box\bslice\hfil}}
14262   \ifdim\ht\holder>0pt\repeat
14263 \fi
14264 %
14265 % fixing the dimensions of the window part
14266 %
14267 \ifnum\bl=0\topheight=\ht\wbslice
14268 \else\ifnum\br=0\topheight=\ht\waslice
14269   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
14270     \else\topheight=\ht\wbslice\fi\fi\fi
14271 %
14272 % ship out the window material to the main vertical list
14273 %
14274 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14275 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14276 \fi\fi\fi
14277 \setbox\windowbox=\vbox{\hbox to\linewidth{%
14278 \ifnum\bl>0\box\waslice\hfill\fi%
14279 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14280 \vfill\unvbox\picbox%
14281 \ifnum\picwd>0\vfill\fi%
14282 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14283 \unvbox\windowbox%
14284 \loop
14285 \setbox\bslice=\vsplit\rawtext to\baselineskip
14286 \prune\bslice\linewidth
14287 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14288 \unvbox\wbslice
14289 \ifdim\ht\rawtext>0pt
14290 \repeat
14291 }% FINITO

```

7.92 plain-xetex-bidi.def

```

14292 \def\TeXXeTOn{\TeXXeTstate=1 }
14293 \def\TeXXeTOff{\TeXXeTstate=0 }
14294 \TeXXeTOn
14295 \def\usebox#1{\leavevmode\copy #1\relax}
14296 \def\bidi@RTL@everypar{{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox{
14297   \let\bidi@o@everypar=\everypar
14298   \newtoks\bidi@n@everypar
14299   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}

```



```

14300 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
14301 \let\everypar=\bidi@n@everypar
14302 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14303 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14304 \protected\def\hboxR{\hbox\bgroup
14305 \everyhbox{%
14306 \aftergroup\egroup
14307 \everyhbox{}}%
14308 \beginR
14309 \bgroup
14310 \aftergroup\endR
14311 \aftergroup\egroup
14312 }\hbox}
14313 \protected\def\hboxL{\hbox\bgroup
14314 \everyhbox{%
14315 \aftergroup\egroup
14316 \everyhbox{}}%
14317 \beginL
14318 \bgroup
14319 \aftergroup\endL
14320 \aftergroup\egroup
14321 }\hbox}
14322 \protected\def\vboxR{\vbox\bgroup
14323 \everyvbox{%
14324 \aftergroup\egroup
14325 \everyvbox{}}%
14326 \@RTLtrue
14327 \bgroup
14328 \aftergroup\egroup
14329 }\vbox}
14330 \protected\def\vboxL{\vbox\bgroup
14331 \everyvbox{%
14332 \aftergroup\egroup
14333 \everyvbox{}}%
14334 \@RTLfalse
14335 \bgroup
14336 \aftergroup\egroup
14337 }\vbox}
14338 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14339 \def\endLTR{\par}
14340 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14341 \def\endRTL{\par}
14342 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14343 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14344 \let\unsetRTL=\setLTR
14345 \let\unsetLTR=\setRTL
14346 \let\LR=\LRE
14347 \let\RL=\RLE
14348 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14349 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}

```




```

14350 \let\@ensure@RL=\@ensure@RTL
14351 \let\@ensure@LR=\@ensure@LTR
14352 \def\@ensure@dir#1{\if@RTL\RL{#1}\else{#1}\fi}
14353 \let\@ensure@maindir=\@ensure@dir
14354 \def\@RTL{RTL}
14355 \def\@LTR{LTR}
14356 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14357 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14358 \let\@TeX\TeX
14359 \def\TeX{\@ensure@LTR{\@TeX}}
14360 \long\def\bidireflect@box#1{%
14361   \leavevmode
14362   \setbox\z@\hbox{#{#1}}%
14363   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14364   \hbox to \wd\z@{\kern\wd\z@\box\tw@hss}%
14365 }
14366 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
14367   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
14368 \let\setRL=\setRTL
14369 \let\setLR=\setLTR
14370 \let\unsetRL=\setLTR
14371 \let\bidisaved@eqno=\eqno
14372 \let\bidisaved@leqno=\leqno
14373 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
14374 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
14375 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14376 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14377 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.93 pstricks-xetex-bidi.def

```

14378 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
14379 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14380 \def\endpspicture{%
14381   \ifshowgrid\ifnum\showgridp>0
14382     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14383   \pst@killglue
14384   % \global\pst@shift=\pst@shift% in fact of the following endgroup
14385   \endgroup
14386   \egroup
14387   \ifdim\wd\pst@hbox=\z@\else
14388     %\@pstrickserr{Extraneous space in the pspicture environment}%
14389     %\Type \space <return> \space to proceed.}%
14390   \fi
14391   \ht\pst@hbox=\pst@dimd
14392   \dp\pst@hbox=-\pst@dimb
14393   \setbox\pst@hbox=\hbox{%
14394     \kern-\pst@dima
14395   % Orig version -----
14396   %\ifx\pst@tempa\@empty\else

```



```

14397 %\advance\pst@dimd-\pst@dimb
14398 %\pst@dimd=\pst@tempa\pst@dimd
14399 %\advance\pst@dimd\pst@dimb
14400 %\lower\pst@dimd
14401 %\fi
14402 %----- end Orig
14403 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14404 \advance\pst@dimd-\pst@dimb
14405 \pst@dimd=0.5\pst@dimd
14406 \else\pst@dimd-\pst@shift\fi
14407 \advance\pst@dimd\pst@dimb
14408 \lower\pst@dimd
14409 \box\pst@hbox
14410 \kern\pst@dimc}%
14411 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14412 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14413 \fboxsep=0pt
14414 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14415 \ifmmode\else\endL\fi
14416 \endgroup%
14417 \psset[pstricks]{shift=0}% reset value
14418 }

```

7.94 quotchap-xetex-bidi.def

```

14419 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14420 \renewcommand{\qauthor}[1]{%
14421 \par\smallskip
14422 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
14423 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14424 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14425 {\chapnumfont
14426 \ifnum \c@secnumdepth >\m@ne%
14427 \if@mainmatter\thechapter%
14428 \fi\fi
14429 \par\nobreak}%
14430 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10em}
14431 \nobreak\chapterheadendvskip}}
14432 \renewcommand*{\@iprintcites}{%
14433 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14434 \global\let\@printcites\relax}

```

7.95 ragged2e-xetex-bidi.def

```

14435 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14436 \renewcommand{\Centering}{%
14437 \ifx\\ \@raggedtwoe@savedcr
14438 \let\\ \@centercr
14439 \fi
14440 \let\@gnewline\@raggedtwoe@gnewline
14441 \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip

```



```

14442 \@rightskip\CenteringRightskip
14443 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14444 \parfillskip\CenteringParfillskip
14445 \parindent\CenteringParindent
14446 \@raggedtwo@spaceskiptrue
14447 \@raggedtwo@everyselectfont
14448 }
14449 \renewcommand{\RaggedLeft}{%
14450 \ifx\\@raggedtwo@savedcr
14451 \let\\@centercr
14452 \fi
14453 \let\@newline\@raggedtwo@gnewline
14454 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
14455 \@rightskip\RaggedLeftRightskip
14456 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14457 \parfillskip\RaggedLeftParfillskip
14458 \parindent\RaggedLeftParindent
14459 \@raggedtwo@spaceskiptrue
14460 \@raggedtwo@everyselectfont
14461 }
14462 \renewcommand{\RaggedRight}{%
14463 \ifx\\@raggedtwo@savedcr
14464 \let\\@centercr
14465 \fi
14466 \let\@newline\@raggedtwo@gnewline
14467 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
14468 \@rightskip\RaggedRightRightskip
14469 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14470 \parfillskip\RaggedRightParfillskip
14471 \parindent\RaggedRightParindent
14472 \@raggedtwo@spaceskiptrue
14473 \@raggedtwo@everyselectfont
14474 }
14475 \renewcommand{\justifying}{%
14476 \let\\@raggedtwo@savedcr
14477 \let\@newline\@raggedtwo@saved@gnewline
14478 \if@RTL\rightskip\else\leftskip\fi\z@
14479 \@rightskip\z@
14480 \if@RTL\leftskip\else\rightskip\fi\@rightskip
14481 \parfillskip\JustifyingParfillskip
14482 \parindent\JustifyingParindent
14483 \@raggedtwo@spaceskipfalse
14484 \@raggedtwo@everyselectfont
14485 }
14486 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
14487 \CheckCommand*{\@arrayparboxrestore}{%
14488 \let\if@nobreak\iffalse
14489 \let\if@noskipsec\iffalse
14490 \let\par\@par
14491 \let\-\@dischyph

```



```

14492 \let'\@acci\let'\@accii\let\=\@acciii
14493 \parindent\z@ \parskip\z@skip
14494 \everypar{}%
14495 \linewidth\hsize
14496 \@totalleftmargin\z@
14497 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
14498 \parfillskip\@flushglue \lineskip\normallineskip
14499 \baselineskip\normalbaselineskip
14500 \sloppy}%
14501 \renewcommand{\@arrayparboxrestore}{%
14502 \let\if@nobreak\iffalse
14503 \let\if@noskipsec\iffalse
14504 \let\par\@par
14505 \let\-\@dischph
14506 \let'\@acci\let'\@accii\let\=\@acciii
14507 \parskip\z@skip
14508 \everypar{}%
14509 \linewidth\hsize
14510 \@totalleftmargin\z@
14511 \RaggedRight
14512 \lineskip\normallineskip
14513 \baselineskip\normalbaselineskip
14514 \sloppy}%
14515 \let\@raggedtwoe@raggedrightboxes@opt\relax
14516 }
14517 \let\origin@RaggedLeft=\RaggedLeft
14518 \let\origin@RaggedRight=\RaggedRight
14519 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14520 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.96 rapport1-xetex-bidi.def

```

14521 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
14522 \renewenvironment{theindex}{%
14523 \if@twocolumn
14524 \@restonecolfalse
14525 \else
14526 \@restonecoltrue
14527 \fi
14528 \columnseprule \z@
14529 \columnsep 35\p@
14530 \twocolumn[\@makeschapterhead{\indexname}]%
14531 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
14532 \thispagestyle{plain}\parindent\z@
14533 \parskip\z@ \@plus .3\p@\relax
14534 \let\item\@idxitem
14535 }{%
14536 \if@restonecol\onecolumn\else\clearpage\fi}
14537 \renewcommand*{\head@style}{%
14538 \interlinepenalty \@M

```



```

14539 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14540 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14541 \if@titlepage
14542 \renewenvironment{abstract}{%
14543 \titlepage
14544 \null\vfil
14545 \section*{\SectFont\abstractname}%
14546 \noindent\ignorespaces}
14547 {\par\vfil\null\endtitlepage}
14548 \else
14549 \renewenvironment{abstract}{%
14550 \if@twocolumn
14551 \section*{\abstractname}%
14552 \else
14553 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14554 \section*{\small\SectFont\abstractname}%
14555 \noindent\ignorespaces
14556 \fi}
14557 {\if@twocolumn\else\par\egroup\fi}
14558 \fi
14559 \renewcommand*\@regtocline[3]{%
14560 \ifnum #1>\c@tocdepth
14561 \else
14562 \vskip\z@ \@plus.2\p@
14563 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14564 \if@RTL\rightskip\else\leftskip\fi\unitindent
14565 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14566 \parfillskip\z@
14567 \@tempdima\unitindent
14568 \parindent\z@
14569 \leavevmode
14570 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14571 \hskip 1em \nobreak{\slshape #3}\par
14572 }%
14573 \fi}
14574 \if@oldtoc
14575 \renewcommand*\l@part[2]{%
14576 \ifnum \c@tocdepth >-2\relax
14577 \addpenalty{-\@highpenalty}%
14578 \addvspace{2.25em \@plus\p@}%
14579 \begingroup
14580 \setlength\@tempdima{3em}%
14581 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14582 \parfillskip -\@pnumwidth
14583 {\leavevmode
14584 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14585 \nobreak
14586 \global\@nobreaktrue
14587 \everypar{\global\@nobreakfalse\everypar{}}%
14588 \endgroup

```



```

14589 \fi}
14590 \else
14591 \renewcommand*\l@part{%
14592 \ifnum \c@tocdepth >-2\relax
14593 \addpenalty{-\@highpenalty}%
14594 \addvspace{2.25em \@plus \p@}%
14595 \@regtocline{0}%
14596 \fi}
14597 \fi
14598 \if@oldtoc
14599 \renewcommand*\l@chapter[2]{%
14600 \addpenalty{-\@highpenalty}%
14601 \vskip 1.0em \@plus \p@
14602 \setlength\@tempdima{1.5em}%
14603 \begingroup
14604 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14605 \parfillskip -\@pnumwidth
14606 \leavevmode \bfseries
14607 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14608 \hskip -\if@RTL\rightskip\else\leftskip\fi
14609 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14610 \penalty\@highpenalty
14611 \endgroup}
14612 \else
14613 \renewcommand*\l@chapter{\@regtocline{0}}
14614 \fi
14615 \renewcommand*\left@footnoterule{%
14616 \kern-3\p@
14617 \kern.5\baselineskip
14618 \hrule\@width\unitindent
14619 \kern.4\baselineskip
14620 }
14621 \renewcommand*\right@footnoterule{%
14622 \kern-3\p@
14623 \kern.5\baselineskip
14624 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14625 \kern.4\baselineskip}
14626 \renewenvironment{thebibliography}[1]
14627 {\chapter*{\bibname}%
14628 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14629 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14630 \list{\@biblabel{\@arabic\c@enumiv}}%
14631 {\settowidth\labelwidth{\@biblabel{#1}}%
14632 \leftmargin\labelwidth
14633 \advance\leftmargin\labelsep
14634 \@openbib@code
14635 \usecounter{enumiv}%
14636 \let\p@enumiv\@empty
14637 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14638 \sloppy\clubpenalty4000\widowpenalty4000%

```



```

14639 \sfcode`.\@m}
14640 {\def\@noitemerr
14641 {\@latex@warning{Empty `thebibliography' environment}}}%
14642 \endlist}
14643 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14644 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14645 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14646 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14647 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14648 \renewcommand*\theequation{%
14649 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14650 \renewcommand*\thefigure{%
14651 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14652 \renewcommand*\thetable{%
14653 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14654 \if@titlepage
14655 \renewcommand*\TitleFont{\rmfamily}
14656 \renewcommand*\maketitle{%
14657 \begin{titlepage}%
14658 \let\footnotesize\small
14659 \let\right@footnoterule\relax
14660 \let\left@footnoterule\relax
14661 \let\textwidth\footnoterule\relax
14662 \let \footnote \thanks
14663 \long\def\@makefnmark##1{\parindent\z@
14664 \def\labelitemi{\textendash}\@revlabeltrue
14665 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14666 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14667 \if@compatibility\setcounter{page}{0}\fi
14668 \null\vfil
14669 \vskip 60\p@
14670 \begin{center}%
14671 \TitleFont
14672 {\LARGE \def\{\{\penalty -\@M}
14673 \if@allcaps
14674 \expandafter\uc@nothanks\@title\thanks\relax
14675 \else
14676 \@title
14677 \fi\par}%
14678 \vskip 3em%
14679 {\large
14680 \lineskip .75em \parindent\z@
14681 \begin{tabular}[t]{c}%
14682 \if@allcaps
14683 \expandafter\uc@author\@author\and\relax
14684 \else
14685 \@author
14686 \fi
14687 \end{tabular}\par}%
14688 \vskip 1.5em%

```



```

14689      {\large
14690        \if@allcaps
14691          \uppercase\expandafter{\@date}%
14692        \else
14693          \@date
14694        \fi\par}%
14695      \end{center}\par
14696      \@thanks
14697      \vfil\null
14698    \end{titlepage}%
14699    \setcounter{footnote}{0}%
14700    \global\let\thanks\relax
14701    \global\let\maketitle\relax
14702    \global\let\@thanks\@empty
14703    \global\let\@author\@empty
14704    \global\let\@title\@empty
14705    \global\let\@date\@empty
14706    \global\let\title\relax
14707    \global\let\author\relax
14708    \global\let\date\relax
14709    \global\let\and\relax
14710  }
14711  \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14712  \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14713    \futurelet\@tempa\uc@ax}
14714  \def\uc@ax{%
14715    \ifx\@tempa\relax
14716    \else
14717      \\\andname \\\expandafter\uc@authornothanks
14718    \fi}
14719  \def\uc@tx{\ifx\@tempa\relax
14720    \else \expandafter\uc@ty \fi}
14721  \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14722  \else
14723    \renewcommand*\maketitle{\par
14724      \begingroup
14725        \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14726        \def\@makefnmark{\rlap{%
14727          \@textsuperscript{\normalfont\@thefnmark}}}%
14728        \long\def\@makefntext{\@xmakefntext{%
14729          \@textsuperscript{\normalfont\@thefnmark}}}%
14730        \if@twocolumn
14731          \ifnum \col@number=\@ne
14732            \@maketitle
14733          \else
14734            \twocolumn[\@maketitle]%
14735          \fi
14736        \else
14737          \newpage
14738          \global\@topnum\z@

```




```

14739     \@maketitle
14740     \fi
14741     \thispagestyle{plain}\@thanks
14742 \endgroup
14743 \setcounter{footnote}{0}%
14744 \global\let\thanks\relax
14745 \global\let\maketitle\relax
14746 \global\let\@maketitle\relax
14747 \global\let\@thanks\@empty
14748 \global\let\@author\@empty
14749 \global\let\@title\@empty
14750 \global\let\@date\@empty
14751 \global\let\title\relax
14752 \global\let\author\relax
14753 \global\let\date\relax
14754 \global\let\and\relax
14755 }
14756 \def\@maketitle{%
14757 \newpage
14758 \null
14759 \vskip 2em%
14760 \begin{center}%
14761   \let \footnote \thanks
14762   {\LARGE \TitleFont \@title \par}%
14763   \vskip 1.5em%
14764   {\large \TitleFont
14765     \lineskip .5em%
14766     \begin{tabular}[t]{c}%
14767       \@author
14768     \end{tabular}\par}%
14769   \vskip 1em%
14770   {\large \TitleFont \@date}%
14771 \end{center}%
14772 \par
14773 \vskip 1.5em}
14774 \fi

```

7.97 rapport3-xetex-bidi.def

```

14775 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14776 \renewenvironment{theindex}{%
14777   \if@twocolumn
14778     \@restonecolfalse
14779   \else
14780     \@restonecoltrue
14781   \fi
14782   \columnseprule \z@
14783   \columnsep 35\p@
14784   \twocolumn[\@makeschapterhead{\indexname}]%
14785   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```



```

14786 \thispagestyle{plain}\parindent\z@
14787 \parskip\z@ \@plus .3\p@\relax
14788 \let\item\@idxitem
14789 }{%
14790 \if@restonecol\onecolumn\else\clearpage\fi}
14791 \if@titlepage
14792 \renewcommand*\TitleFont{\rmfamily}
14793 \renewcommand*\maketitle{%
14794 \begin{titlepage}%
14795 \let\footnotesize\small
14796 \let\right@footnoterule\relax
14797 \let\left@footnoterule\relax
14798 \let\textwidth@footnoterule\relax
14799 \let \footnote \thanks
14800 \let \LTRfootnote \LTRthanks
14801 \let \RTLfootnote \RTLthanks
14802 \long\def\@makefntext##1{\parindent\z@
14803 \def\labelitemi{\textendash}\@revlabeltrue
14804 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14805 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14806 \if@compatibility\setcounter{page}{0}\fi
14807 \null\vfil
14808 \vskip 60\p@
14809 \begin{center}%
14810 \TitleFont
14811 {\LARGE \def\\{\penalty -\@M}
14812 \if@allcaps
14813 \expandafter\uc@nothanks\@title\thanks\relax
14814 \else
14815 \@title
14816 \fi\par}%
14817 \vskip 3em%
14818 {\large
14819 \lineskip .75em \parindent\z@
14820 \begin{tabular}[t]{c}%
14821 \if@allcaps
14822 \expandafter\uc@authornothanks\@author\and\relax
14823 \else
14824 \@author
14825 \fi
14826 \end{tabular}\par}%
14827 \vskip 1.5em%
14828 {\large
14829 \if@allcaps
14830 \uppercase\expandafter{\@date}%
14831 \else
14832 \@date
14833 \fi\par}%
14834 \end{center}\par
14835 \@thanks

```



```

14836 \vfil\null
14837 \end{titlepage}%
14838 \setcounter{footnote}{0}%
14839 \global\let\thanks\relax
14840 \global\let\LTRthanks\relax
14841 \global\let\RTLthanks\relax
14842 \global\let\maketitle\relax
14843 \global\let\@thanks\@empty
14844 \global\let\@author\@empty
14845 \global\let\@title\@empty
14846 \global\let\@date\@empty
14847 \global\let\title\relax
14848 \global\let\author\relax
14849 \global\let\date\relax
14850 \global\let\and\relax
14851 }
14852 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14853 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14854 \futurelet\@tempa\uc@ax}
14855 \def\uc@ax{%
14856 \ifx\@tempa\relax
14857 \else
14858 \\\andname \\\expandafter\uc@authornothanks
14859 \fi}
14860 \def\uc@tx{\ifx\@tempa\relax
14861 \else \expandafter\uc@ty \fi}
14862 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14863 \else
14864 \renewcommand*\maketitle{\par
14865 \begingroup
14866 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14867 \def\@makefnmark{\rlap{%
14868 \@textsuperscript{\normalfont\@thefnmark}}}%
14869 \long\def\@makefntext{\@xmakefntext{%
14870 \@textsuperscript{\normalfont\@thefnmark}}}%
14871 \if@twocolumn
14872 \ifnum \col@number=\@one
14873 \@maketitle
14874 \else
14875 \twocolumn[\@maketitle]%
14876 \fi
14877 \else
14878 \newpage
14879 \global\@topnum\z@
14880 \@maketitle
14881 \fi
14882 \thispagestyle{plain}\@thanks
14883 \endgroup
14884 \setcounter{footnote}{0}%
14885 \global\let\thanks\relax

```



```

14886 \global\let\LTRthanks\relax
14887 \global\let\RTLthanks\relax
14888 \global\let\maketitle\relax
14889 \global\let\@maketitle\relax
14890 \global\let\@thanks\@empty
14891 \global\let\@author\@empty
14892 \global\let\@title\@empty
14893 \global\let\@date\@empty
14894 \global\let\title\relax
14895 \global\let\author\relax
14896 \global\let\date\relax
14897 \global\let\and\relax
14898 }
14899 \def\@maketitle{%
14900 \newpage
14901 \null
14902 \vskip 2em%
14903 \if@titlecentered
14904 \begin{center}%
14905 \let \footnote \thanks
14906 \let \LTRfootnote \LTRthanks
14907 \let \RTLfootnote \RTLthanks
14908 {\LARGE \TitleFont \@title \par}%
14909 \vskip 1.5em%
14910 {\large \TitleFont
14911 \lineskip .5em%
14912 \begin{tabular}[t]{c}%
14913 \@author
14914 \end{tabular}\par}%
14915 \vskip 1em%
14916 {\large \TitleFont \@date}%
14917 \end{center}%
14918 \else
14919 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
14920 {\large \TitleFont \lineskip .5em \tabcolsep\z@
14921 \def\and{%% \begin{tabular} has already started
14922 \end{tabular}\hskip 1em plus .17fil
14923 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14924 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14925 \vskip 1em {\large \TitleFont \@date}
14926 \fi
14927 \par
14928 \vskip 1.5em}
14929 \fi
14930 \renewcommand*\@regtocline[3]{%
14931 \ifnum #1>\c@tocdepth
14932 \else
14933 \vskip\z@\@plus.2\p@
14934 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14935 \if@RTL\righskip\else\leftskip\fi\unitindent

```



```

14936 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14937 \parfillskip\z@
14938 \@tempdima\unitindent
14939 \parindent\z@
14940 \leavevmode
14941 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14942 \hskip 1em \nobreak{\slshape #3}\par
14943 }%
14944 \fi}
14945 \if@oldtoc
14946 \renewcommand*\l@part[2]{%
14947 \ifnum \c@tocdepth >-2\relax
14948 \addpenalty{-\@highpenalty}%
14949 \addvspace{2.25em \@plus\p@}%
14950 \begingroup
14951 \setlength\@tempdima{3em}%
14952 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14953 \parfillskip -\@pnumwidth
14954 {\leavevmode
14955 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14956 \nobreak
14957 \global\@nobreaktrue
14958 \everypar{\global\@nobreakfalse\everypar{}}%
14959 \endgroup
14960 \fi}
14961 \else
14962 \renewcommand*\l@part{%
14963 \ifnum \c@tocdepth >-2\relax
14964 \addpenalty{-\@highpenalty}%
14965 \addvspace{2.25em \@plus\p@}%
14966 \@regtocline{0}%
14967 \fi}
14968 \fi
14969 \if@oldtoc
14970 \renewcommand*\l@chapter[2]{%
14971 \addpenalty{-\@highpenalty}%
14972 \vskip 1.0em \@plus\p@
14973 \setlength\@tempdima{1.5em}%
14974 \begingroup
14975 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14976 \parfillskip -\@pnumwidth
14977 \leavevmode \bfseries
14978 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14979 \hskip -\if@RTL\rightskip\else\leftskip\fi
14980 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14981 \penalty\@highpenalty
14982 \endgroup}
14983 \else
14984 \renewcommand*\l@chapter{\@regtocline{0}}
14985 \fi

```



```

14986 \renewcommand*\head@style{%
14987     \interlinepenalty \@M
14988     \hyphenpenalty=\@M \exhyphenpenalty=\@M
14989     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14990 \if@titlepage
14991     \renewenvironment{abstract}{%
14992         \titlepage
14993         \null\vfil
14994         \section*{\SectFont\abstractname}%
14995         \noindent\ignorespaces}
14996     {\par\vfil\null\endtitlepage}
14997 \else
14998     \renewenvironment{abstract}{%
14999         \if@twocolumn
15000             \section*{\abstractname}%
15001         \else
15002             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15003             \section*{\small\SectFont\abstractname}%
15004             \noindent\ignorespaces
15005         \fi}
15006     {\if@twocolumn\else\par\egroup\fi}
15007 \fi
15008 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15009 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15010 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15011 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15012 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15013 \renewcommand*\thefigure{%
15014     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15015 \renewcommand*\thetable{%
15016     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15017 \renewcommand*\theequation{%
15018     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15019 \renewenvironment{thebibliography}[1]
15020     {\chapter*{\bibname}%
15021      \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15022      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15023      \list{\@biblabel{\@arabic\c@enumiv}}%
15024          {\settowidth\labelwidth{\@biblabel{#1}}%
15025           \leftmargin\labelwidth
15026           \advance\leftmargin\labelsep
15027           \@openbib@code
15028           \usecounter{enumiv}%
15029           \let\p@enumiv\@empty
15030           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15031      \sloppy\clubpenalty4000\widowpenalty4000
15032      \sfcode`\.\@m}
15033 \def\@noitemerr
15034     {\@latex@warning{Empty `thebibliography' environment}}%
15035 \endlist}

```



```

15036 \renewcommand*\left@footnoterule{%
15037   \kern-3\p@
15038   \kern.5\baselineskip
15039   \hrule\@width\unitindent
15040   \kern.4\baselineskip
15041 }
15042 \renewcommand*\right@footnoterule{%
15043   \kern-3\p@
15044   \kern.5\baselineskip
15045   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15046   \kern.4\baselineskip}
15047 \renewcommand*head@style{%
15048   \interlinepenalty \@M
15049   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15050   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.98 refrep-xetex-bidi.def

```

15051 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
15052 \if@titlepage
15053   \renewcommand\maketitle{\begin{titlepage}%
15054     \let\footnotesize\small
15055     \let\right@footnoterule\relax
15056     \let\left@footnoterule\relax
15057     \let\textwidth@footnoterule\relax
15058     \let\footnote\thanks
15059     \let\LTRfootnote\LTRthanks
15060     \let\RTLfootnote\RTLthanks
15061     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15062     \def\@makefnmark%
15063       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15064     \long\def\@makefntext##1{%
15065       \setpar{\@par
15066         \tempdima = \hsize
15067         \advance\tempdima -1em
15068         \parshape \@ne 1em \tempdima}%
15069       \par\parindent 1em \noindent
15070       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}\##1}
15071   \null\vfil
15072   \vskip 60\p@
15073   \begin{center}%
15074     {\LARGE \@title \par}%
15075     \vskip 3em%
15076     {\large
15077       \lineskip .75em%
15078       \begin{tabular}[t]{c}%
15079         \@author
15080       \end{tabular}\par}%
15081     \vskip 1.5em%
15082     {\large \@date \par}% % Set date in \large size.

```



```

15083 \end{center}\par
15084 \@thanks
15085 \vfil\null
15086 \end{titlepage}%
15087 \setcounter{footnote}{0}%
15088 \global\let\thanks\relax
15089 \global\let\LTRthanks\relax
15090 \global\let\RTLthanks\relax
15091 \global\let\maketitle\relax
15092 \global\let\@thanks\@empty
15093 \global\let\@author\@empty
15094 \global\let\@date\@empty
15095 \global\let\@title\@empty
15096 \global\let\title\relax
15097 \global\let\author\relax
15098 \global\let\date\relax
15099 \global\let\and\relax
15100 }
15101 \else
15102 \renewcommand\maketitle{\par
15103 \begingroup
15104 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15105 \def\@makefnmark%
15106 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15107 \long\def\@makefntext##1{%
15108 \setpar{\@par
15109 \tempdima = \hsize
15110 \advance\tempdima -1em
15111 \parshape \@ne 1em \tempdima}%
15112 \par\parindent 1em \noindent
15113 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15114 \if@twocolumn
15115 \ifnum \col@number=\@ne
15116 \maketitle
15117 \else
15118 \twocolumn[\maketitle]%
15119 \fi
15120 \else
15121 \newpage
15122 \global\@topnum\z@ % Prevents figures from going at top of page.
15123 \maketitle
15124 \fi
15125 \thispagestyle{empty}\@thanks
15126 \endgroup
15127 \setcounter{footnote}{0}%
15128 \global\let\thanks\relax
15129 \global\let\LTRthanks\relax
15130 \global\let\RTLthanks\relax
15131 \global\let\maketitle\relax
15132 \global\let\@maketitle\relax

```




```

15133 \global\let\@thanks\@empty
15134 \global\let\@author\@empty
15135 \global\let\@date\@empty
15136 \global\let\@title\@empty
15137 \global\let\title\relax
15138 \global\let\author\relax
15139 \global\let\date\relax
15140 \global\let\and\relax
15141 }
15142 \def\@maketitle{%
15143   \newpage
15144   \null
15145   \longthickrule\vskip1.5em%
15146   \let \footnote \thanks
15147   \let \LTRfootnote \LTRthanks
15148   \let \RTLfootnote \RTLthanks
15149   {\secshape \parskip\z@ \parindent\z@
15150   \Large\bfseries \@title \par}%
15151   \vskip1.5em\longthickrule\vskip1.5em%
15152   {\normalsize
15153     \lineskip .5em%
15154     \begin{flushright}%
15155       {\slshape\@author\par}
15156       \vskip 1em%
15157       {\@date}%
15158     \end{flushright}\par}%
15159   \vskip 1.5em}
15160 \fi
15161 \renewcommand*\l@part[2]{%
15162   \ifnum \c@tocdepth >-2\relax
15163     \addpenalty{-\@highpenalty}%
15164     \addvspace{2.25em \@plus\p@}%
15165     \begingroup
15166       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15167       \parfillskip -\@pnumwidth
15168       {\leavevmode
15169       \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15170       \nobreak
15171       \global\@nobreaktrue
15172       \everypar{\global\@nobreakfalse\everypar{}}%
15173     \endgroup
15174   \fi}
15175 \renewcommand*\l@chapter[2]{%
15176   \ifnum \c@tocdepth >\m@ne
15177     \addpenalty{-\@highpenalty}%
15178     \vskip 1.0em \@plus\p@
15179     \setlength\@tempdima{1.5em}%
15180     \begingroup
15181     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15182     \parfillskip -\@pnumwidth

```



```

15183 \leavevmode \bfseries
15184 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15185 \hskip -\if@RTL\rightskip\else\leftskip\fi
15186 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15187 \penalty\@highpenalty
15188 \endgroup
15189 \fi}
15190 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15191 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15192 \hyphenpenalty=2000}
15193 \renewcommand\left@footnoterule{%
15194 \kern-3\p@
15195 \hrule\@width.4\columnwidth
15196 \kern 2.6\p@}
15197 \renewcommand\right@footnoterule{%
15198 \kern-3\p@
15199 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15200 \kern2.6\p@}
15201 \renewcommand\theequation
15202 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15203 \renewcommand\thefigure
15204 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15205 \renewcommand\thetable%
15206 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15207 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15208 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
15209 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
15210 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15211 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15212 \renewenvironment{thebibliography}[1]
15213 {\chapter*\bibname
15214 \@mkboth{\bibname}{\bibname}}%
15215 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15216 \list{\@biblabel{\@arabic\c@enumiv}}%
15217 {\settowidth\labelwidth{\@biblabel{#1}}%
15218 \leftmargin\labelwidth
15219 \advance\leftmargin\labelsep
15220 \openbib@code
15221 \usecounter{enumiv}%
15222 \let\p@enumiv\@empty
15223 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15224 \sloppy
15225 \clubpenalty4000
15226 \@clubpenalty \clubpenalty
15227 \widowpenalty4000%
15228 \sfcode`\.=\@m}
15229 {\def\@noitemerr
15230 {\@latex@warning{Empty `thebibliography' environment}}%
15231 \endlist}

```



7.99 report-xetex-bidi.def

```

15232 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class
15233 \renewenvironment{theindex}
15234     {\if@twocolumn
15235       \@restonecolfalse
15236     \else
15237       \@restonecoltrue
15238     \fi
15239     \columnseprule \z@
15240     \columnsep 35\p@
15241     \twocolumn[\@makeschapterhead{\indexname}]%
15242     \@mkboth{\MakeUppercase\indexname}%
15243             {\MakeUppercase\indexname}%
15244     \thispagestyle{plain}\parindent\z@
15245     \parskip\z@ \@plus .3\p@\relax
15246     \let\item\@idxitem}
15247     {\if@restonecol\onecolumn\else\clearpage\fi}
15248 \if@titlepage
15249 \renewcommand\maketitle{\begin{titlepage}%
15250 \let\footnotesize\small
15251 \let\right@footnoterule\relax
15252 \let\left@footnoterule\relax
15253 \let\textwidth@footnoterule\relax
15254 \let \footnote \thanks
15255 \let \LTRfootnote \LTRthanks
15256 \let \RTLfootnote \RTLthanks
15257 \null\vfil
15258 \vskip 60\p@
15259 \begin{center}%
15260   {\LARGE \@title \par}%
15261   \vskip 3em%
15262   {\large
15263     \lineskip .75em%
15264     \begin{tabular}[t]{c}%
15265       \@author
15266     \end{tabular}\par}%
15267     \vskip 1.5em%
15268     {\large \@date \par}%           % Set date in \large size.
15269 \end{center}\par
15270 \@thanks
15271 \vfil\null
15272 \end{titlepage}%
15273 \setcounter{footnote}{0}%
15274 \global\let\thanks\relax
15275 \global\let\LTRthanks\relax
15276 \global\let\RTLthanks\relax
15277 \global\let\maketitle\relax
15278 \global\let\@thanks\@empty
15279 \global\let\@author\@empty

```



```

15280 \global\let\@date\@empty
15281 \global\let\@title\@empty
15282 \global\let\title\relax
15283 \global\let\author\relax
15284 \global\let\date\relax
15285 \global\let\and\relax
15286 }
15287 \else
15288 \renewcommand\maketitle{\par
15289 \begingroup
15290 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15291 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15292 \long\def\@makefnmark##1{\parindent 1em\noindent
15293 \hb@xt@1.8em{%
15294 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15295 \if@twocolumn
15296 \ifnum \col@number=\@ne
15297 \@maketitle
15298 \else
15299 \twocolumn[\@maketitle]%
15300 \fi
15301 \else
15302 \newpage
15303 \global\@topnum\z@ % Prevents figures from going at top of page.
15304 \@maketitle
15305 \fi
15306 \thispagestyle{plain}\@thanks
15307 \endgroup
15308 \setcounter{footnote}{0}%
15309 \global\let\thanks\relax
15310 \global\let\LTRthanks\relax
15311 \global\let\RTLthanks\relax
15312 \global\let\maketitle\relax
15313 \global\let\@maketitle\relax
15314 \global\let\@thanks\@empty
15315 \global\let\@author\@empty
15316 \global\let\@date\@empty
15317 \global\let\@title\@empty
15318 \global\let\title\relax
15319 \global\let\author\relax
15320 \global\let\date\relax
15321 \global\let\and\relax
15322 }
15323 \def\@maketitle{%
15324 \newpage
15325 \null
15326 \vskip 2em%
15327 \begin{center}%
15328 \let \footnote \thanks
15329 \let \LTRfootnote \LTRthanks

```



```

15330 \let \RTLfootnote \RTLthanks
15331 {\LARGE \@title \par}%
15332 \vskip 1.5em%
15333 {\large
15334 \lineskip .5em%
15335 \begin{tabular}[t]{c}%
15336 \@author
15337 \end{tabular}\par}%
15338 \vskip 1em%
15339 {\large \@date}%
15340 \end{center}%
15341 \par
15342 \vskip 1.5em}
15343 \fi
15344 \renewcommand*\l@part[2]{%
15345 \ifnum \c@tocdepth >-2\relax
15346 \addpenalty{-\@highpenalty}%
15347 \addvspace{2.25em \@plus\p@}%
15348 \setlength\@tempdima{3em}%
15349 \begingroup
15350 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15351 \parfillskip -\@pnumwidth
15352 {\leavevmode
15353 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15354 \nobreak
15355 \global\@nobreaktrue
15356 \everypar{\global\@nobreakfalse\everypar{}}%
15357 \endgroup
15358 \fi}
15359 \renewcommand*\l@chapter[2]{%
15360 \ifnum \c@tocdepth >\m@ne
15361 \addpenalty{-\@highpenalty}%
15362 \vskip 1.0em \@plus\p@
15363 \setlength\@tempdima{1.5em}%
15364 \begingroup
15365 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15366 \parfillskip -\@pnumwidth
15367 \leavevmode \bfseries
15368 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15369 \hskip -\if@RTL\rightskip\else\leftskip\fi
15370 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15371 \penalty\@highpenalty
15372 \endgroup
15373 \fi}
15374 \renewcommand\left@footnoterule{%
15375 \kern-3\p@
15376 \hrule\@width.4\columnwidth
15377 \kern2.6\p@}
15378 \renewcommand\right@footnoterule{%
15379 \kern-3\p@

```



```

15380 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15381 \kern2.6\p@}
15382 \renewcommand\theequation
15383 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15384 \renewcommand \thefigure
15385 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15386 \renewcommand \thetable
15387 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15388 \renewcommand \thechapter {\@arabic\c@chapter}
15389 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15390 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15391 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15392 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15393 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15394 \def\@makechapterhead#1{%
15395 \vspace*{50\p@}%
15396 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15397 \ifnum \c@secnumdepth >\m@ne
15398 \huge\bfseries \@chapapp\space \thechapter
15399 \par\nobreak
15400 \vskip 20\p@
15401 \fi
15402 \interlinepenalty\@M
15403 \Huge \bfseries #1\par\nobreak
15404 \vskip 40\p@
15405 }}
15406 \def\@makeschapterhead#1{%
15407 \vspace*{50\p@}%
15408 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15409 \normalfont
15410 \interlinepenalty\@M
15411 \Huge \bfseries #1\par\nobreak
15412 \vskip 40\p@
15413 }}
15414 \renewenvironment{thebibliography}[1]
15415 {\chapter*{\bibname}%
15416 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15417 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15418 \list{\@biblabel{\@arabic\c@enumiv}}%
15419 {\settowidth\labelwidth{\@biblabel{#1}}%
15420 \leftmargin\labelwidth
15421 \advance\leftmargin\labelsep
15422 \@openbib@code
15423 \usecounter{enumiv}%
15424 \let\p@enumiv\@empty
15425 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15426 \sloppy
15427 \clubpenalty4000
15428 \@clubpenalty \clubpenalty
15429 \widowpenalty4000%

```



```

15430 \sfcode`.\@m}
15431 {\def\@noitemerr
15432 {\@latex@warning{Empty `thebibliography' environment}}}%
15433 \endlist}

```

7.100 rotating-xetex-bidi.def

```

15434 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15435 \def\end@rotfloat{%
15436   \end{minipage}\end{lrbox}%
15437   \stepcounter{r@tfl@t}%
15438   \rot@label{RF\ther@tfl@t}%
15439   \rot@pageref{RF\ther@tfl@t}{\R@page}%
15440   \edef\@tempa{Adding sideways \@capytype\space on page \R@page\space}
15441   \rot@mess@toks\expandafter{\@tempa}
15442   \wd\rot@float@box\z@
15443   \ht\rot@float@box\z@
15444   \dp\rot@float@box\z@
15445   \vboxL to \textheight{%
15446     \setkeys{Grot}{units=360}%
15447     \if@rot@twoside
15448     \else
15449       \let\R@page\rot@LR
15450     \fi
15451     \ifthenelse{\isodd{\R@page}}{%
15452       \if@rot@twoside
15453         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15454       \fi
15455       \vfill
15456       \@@line{%
15457         \hskip\rotFPtop
15458         \rotatebox{90}{\box\rot@float@box}%
15459         \hskip\rotFPbot
15460       }%
15461     }{%
15462       \if@rot@twoside
15463         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15464       \fi
15465       \@@line{%
15466         \hskip\rotFPbot
15467         \rotatebox{-90}{\box\rot@float@box}%
15468         \hskip\rotFPtop
15469       }%
15470       \vfill
15471     }%
15472     \rot@message{\the\rot@mess@toks}
15473   }%
15474   \end@float
15475 }
15476 \let\endsidewaysfigure\end@rotfloat

```



```

15477 \let\endsidewaystable\end@rotfloat
15478 \def\end@rotdblfloat{%
15479   \end{minipage}\end{lrbox}%
15480   \stepcounter{r@tfl@t}%
15481   \rot@label{RF\ther@tfl@t}%
15482   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15483   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
15484   \rot@mess@toks\expandafter{\@tempa}
15485   \@tempdima\ht\rot@float@box
15486   \advance\@tempdima by \dp\rot@float@box
15487   \wd\rot@float@box\z@
15488   \ht\rot@float@box\z@
15489   \dp\rot@float@box\z@
15490   \vboxL to \textheight{%
15491     \setkeys{Grot}{units=360}%
15492     \if@rot@twoside
15493       \else
15494         \let\R@@page\rot@LR
15495       \fi
15496       \ifthenelse{\isodd{\R@@page}}{%
15497         \ifrot@messages
15498           \if@rot@twoside
15499             \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
15500       \fi
15501         \fi
15502         \vfill
15503         \@@line{%
15504           \hskip\rotFPtop
15505           \rotatebox{90}{\box\rot@float@box}%
15506           \hskip\rotFPbot
15507         }%
15508       }{%
15509         \ifrot@messages
15510           \if@rot@twoside
15511             \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
15512       \fi
15513         \fi%
15514         \@@line{%
15515           \hskip\rotFPbot
15516           \rotatebox{-90}{\box\rot@float@box}%
15517           \hskip\rotFPtop
15518         }%
15519         \vfill
15520       }%
15521       \rot@message{\the\rot@mess@toks}%
15522     }%
15523   \end@dblfloat
15524 }
15525 \def\turn#1{%
15526   \Grot@setangle{#1}%

```




```

15527 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15528 \def\endturn{%
15529 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15530 \unskip\color@endbox
15531 \Grot@x\z@
15532 \Grot@y\z@
15533 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15534 }
15535 \def\rotate#1{%
15536 \Grot@setangle{#1}%
15537 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15538 \def\endrotate{%
15539 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15540 \unskip\color@endbox
15541 \Grot@x\z@
15542 \Grot@y\z@
15543 \wd0\z@\dp0\z@\ht0\z@
15544 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15545 }
15546 \def\turnbox#1#2{%
15547 \Grot@setangle{#1}%
15548 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15549 \Grot@x\z@\Grot@y\z@
15550 \wd0\z@\dp0\z@\ht0\z@
15551 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15552 }
15553 \def\sideways{%
15554 \Grot@setangle{90}%
15555 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15556 \def\endsideways{%
15557 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15558 \unskip\color@endbox
15559 \Grot@x\z@
15560 \Grot@y\z@
15561 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15562 }

```

7.101 scrartcl-xetex-bidi.def

```

15563 \ProvidesFile{scrartcl-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrartcl class for X
15564 \newcommand{\scr@saved@LTRfootnotetext}{}
15565 \newcommand{\scr@saved@RTLfootnotetext}{}
15566 \let\scr@saved@footnotetext\@footnotetext
15567 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15568 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15569 \renewcommand{\@footnotetext}[1]{%
15570 \scr@saved@footnotetext{#1}%
15571 \csname FN@mfi\prepare\endcsname
15572 }
15573 \renewcommand{\@LTRfootnotetext}[1]{%

```



```

15574 \scr@saved@LTRfootnotetext{#1}%
15575 \csname FN@mf@prepare\endcsname
15576 }
15577 \renewcommand{\@RTLfootnotetext}[1]{%
15578 \scr@saved@LTRfootnotetext{#1}%
15579 \csname FN@mf@prepare\endcsname
15580 }
15581 \renewcommand\deffootnote[4][1]{%
15582 \long\def\@makefnmark##1{%
15583 \setlength{\@tempdimc}{#3}%
15584 \def\@tempa{#1}\ifx\@tempa\@empty
15585 \setpar{\@par
15586 \@tempdima = \hsize
15587 \addtolength{\@tempdima}{-#2}%
15588 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15589 \else
15590 \addtolength{\@tempdimc}{#2}%
15591 \addtolength{\@tempdimc}{-#1}%
15592 \setpar{\@par
15593 \@tempdima = \hsize
15594 \addtolength{\@tempdima}{-#1}%
15595 \@tempdimb = \hsize
15596 \addtolength{\@tempdimb}{-#2}%
15597 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15598 }%
15599 \fi
15600 \par
15601 \parindent\@tempdimc\noindent
15602 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15603 }%
15604 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15605 }
15606 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15607 \renewcommand*\left@footnoterule{%
15608 \normalsize\ftn@rule@test@values
15609 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15610 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15611 {\usekomafont{footnoterule}{%
15612 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15613 \kern 2.6\p@}
15614 \renewcommand*\right@footnoterule{%
15615 \normalsize\ftn@rule@test@values
15616 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15617 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15618 {\usekomafont{footnoterule}{%
15619 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15620 \kern 2.6\p@}
15621 \renewcommand*\maketitle[1][1]{%
15622 \if@titlepage
15623 \begin{titlepage}

```



```

15624 \setcounter{page}{%
15625   #1%
15626 }%
15627 \let\footnotesize\small
15628 \let\right@footnoterule\relax
15629 \let\left@footnoterule\relax
15630 \let\textwidth@footnoterule\relax
15631 \let\footnote\thanks
15632 \let\LTRfootnote\LTRthanks
15633 \let\RTLfootnote\RTLthanks
15634 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15635 \let\@oldmakefnmark\@makefnmark
15636 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15637 \ifx\@extratitle\@empty \else
15638   \noindent\@extratitle\next@tpage\cleardoubleemptypage
15639   \thispagestyle{empty}%
15640 \fi
15641 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15642 \ifx\@titlehead\@empty \else
15643   \begin{minipage}[t]{\textwidth}%
15644     \@titlehead
15645   \end{minipage}\par
15646 \fi
15647 \null\vfill
15648 \begin{center}
15649   \ifx\@subject\@empty \else
15650     {\subject@font \@subject \par}%
15651     \vskip 3em
15652   \fi
15653   {\titlefont\huge \@title\par}%
15654   \vskip 1em
15655   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15656   \vskip 2em
15657   {\Large \lineskip 0.75em
15658     \begin{tabular}[t]{c}
15659       \@author
15660     \end{tabular}\par
15661   }%
15662   \vskip 1.5em
15663   {\Large \@date \par}%
15664   \vskip \z@ \@plus3fill
15665   {\Large \@publishers \par}%
15666   \vskip 3em
15667 \end{center}\par
15668 \@thanks
15669 \vfill\null
15670 \if@twoside\next@tpage
15671   \begin{minipage}[t]{\textwidth}
15672     \@uppertitleback
15673   \end{minipage}\par

```



```

15674         \vfill
15675         \begin{minipage}[b]{\textwidth}
15676             \@lowertitleback
15677         \end{minipage}
15678     \fi
15679     \ifx\@dedication\@empty \else
15680         \next@tpage\null\vfill
15681         {\centering \Large \@dedication \par}%
15682         \vskip \z@ \@plus3fill
15683         \if@twoside \next@tpage\cleardoubleemptypage \fi
15684     \fi
15685     \end{titlepage}
15686 \else
15687     \par
15688     \@tempcnta=%
15689     #1%
15690     \relax\ifnum\@tempcnta=1\else
15691         \ClassWarning{\KOMAClassName}{%
15692             Optional argument of \string\maketitle\space ignored
15693             at\MessageBreak
15694             notitlepage-mode%
15695         }%
15696     \fi
15697     \begin{group}
15698         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15699         \let\@oldmakefnmark\@makefnmark
15700         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15701         \if@twocolumn
15702             \ifnum \col@number=\@one
15703                 \@maketitle
15704             \else
15705                 \twocolumn[\@maketitle]%
15706             \fi
15707         \else
15708             \newpage
15709             \global\@topnum\z@
15710             \@maketitle
15711         \fi
15712         \thispagestyle{\titlepagestyle}\@thanks
15713     \end{group}
15714     \fi
15715     \setcounter{footnote}{0}%
15716     \let\thanks\relax
15717     \let\LTrthanks\relax
15718     \let\RTLthanks\relax
15719     \let\maketitle\relax
15720     \let\@maketitle\relax
15721     \global\let\@thanks\@empty
15722     \global\let\@author\@empty
15723     \global\let\@date\@empty

```



```

15724 \global\let\@title\@empty
15725 \global\let\@subtitle\@empty
15726 \global\let\@extratitle\@empty
15727 \global\let\@titlehead\@empty
15728 \global\let\@subject\@empty
15729 \global\let\@publishers\@empty
15730 \global\let\@uppertitleback\@empty
15731 \global\let\@lowertitleback\@empty
15732 \global\let\@dedication\@empty
15733 \global\let\author\relax
15734 \global\let\title\relax
15735 \global\let\extratitle\relax
15736 \global\let\titlehead\relax
15737 \global\let\subject\relax
15738 \global\let\publishers\relax
15739 \global\let\uppertitleback\relax
15740 \global\let\lowertitleback\relax
15741 \global\let\dedication\relax
15742 \global\let\date\relax
15743 \global\let\and\relax
15744 }%
15745 \renewcommand*{\@maketitle}{%
15746 \clearpage
15747 \let\footnote\thanks
15748 \let\LTRfootnote\LTRthanks
15749 \let\RTLfootnote\RTLthanks
15750 \ifx\@extratitle\@empty \else
15751 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15752 \fi
15753 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15754 \ifx\@titlehead\@empty \else
15755 \begin{minipage}[t]{\textwidth}
15756 \@titlehead
15757 \end{minipage}\par
15758 \fi
15759 \null
15760 \vskip 2em%
15761 \begin{center}%
15762 \ifx\@subject\@empty \else
15763 {\subject@font \@subject \par}
15764 \vskip 1.5em
15765 \fi
15766 {\titlefont\huge \@title \par}%
15767 \vskip .5em
15768 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15769 \vskip 1em
15770 {\Large
15771 \lineskip .5em%
15772 \begin{tabular}[t]{c}
15773 \author

```



```

15774     \end{tabular}\par
15775   }%
15776   \vskip 1em%
15777   {\Large \@date \par}%
15778   \vskip \z@ \@plus 1em
15779   {\Large \@publishers \par}
15780   \ifx\@dedication\@empty \else
15781     \vskip 2em
15782     {\Large \@dedication \par}
15783   \fi
15784   \end{center}%
15785   \par
15786   \vskip 2em
15787 }%
15788 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15789 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15790 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15791 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
15792 \renewcommand*{\thesubsubsection}{%
15793   \thesubsection\@SepMark\@arabic\c@subsubsection
15794 }
15795 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15796 \renewcommand*{\thesubparagraph}{%
15797   \theparagraph\@SepMark\@arabic\c@subparagraph
15798 }
15799 \renewenvironment{thebibliography}[1]{%
15800   \if@bib@break@
15801     \bib@beginhook
15802   \else
15803     \bib@heading
15804     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15805       \noindent\bibpreamble\par\nobreak
15806     \fi\fi
15807     \bib@beginhook
15808     \bib@before@hook
15809   \fi
15810   \renewcommand{\BreakBibliography}[1]{%
15811     \@bib@break
15812     \end{thebibliography}%
15813     \begingroup ##1\endgroup
15814     \begin{thebibliography}{#1}
15815   }%
15816   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15817   \list{%
15818     \@biblabel{\@arabic\c@enumiv}%
15819   }{%
15820     \settowidth\labelwidth{\@biblabel{#1}}%
15821     \leftmargin\labelwidth
15822     \advance\leftmargin\labelsep
15823     \@openbib@code

```



```

15824 \if@bib@break@
15825 \edef\@tempa{%
15826 \noexpand\usecounter{enumiv}%
15827 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15828 }\@tempa
15829 \no@bib@break
15830 \else
15831 \usecounter{enumiv}%
15832 \fi
15833 \let\p@enumiv\@empty
15834 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15835 }%
15836 \sloppy\clubpenalty4000 \widowpenalty4000
15837 \sfcode`\.=\@m
15838 }{%
15839 \if@bib@break@
15840 \def\@noitemerr{%
15841 \latex@warning{%
15842 \string\BreakBibliography\space at begin of `thebibliography'
15843 environment\MessageBreak
15844 or following \string\BreakBibliography}%
15845 }%
15846 \else
15847 \def\@noitemerr{%
15848 \latex@warning{%
15849 Empty `thebibliography' environment or
15850 \string\BreakBibliography\MessageBreak
15851 before end of `thebibliography' environment}%
15852 }%
15853 \fi
15854 \endlist
15855 \if@bib@break@
15856 \else
15857 \bib@after@hook
15858 \let\bib@before@hook\@empty
15859 \let\bib@after@hook\@empty
15860 \fi
15861 \bib@endhook
15862 }
15863 \renewcommand*\left@footnoterule{%
15864 \kern-3\p@
15865 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15866 \hrule\@width.4\columnwidth
15867 \kern 2.6\p@}
15868 \renewcommand*\right@footnoterule{%
15869 \kern-3\p@
15870 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15871 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15872 \kern2.6\p@}
15873 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}

```



```

15874 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15875 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15876 \renewcommand\marginline[1]{%
15877   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15878 }
15879 \renewcommand{\@@makecaption}[3]{%
15880   \cap@margin
15881   \ifonelinecaptions
15882     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15883     \let\scr@tmp@footnotetext=\@footnotetext
15884     \let\@footnotetext=\@gobble
15885     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15886     \let\@LTRfootnotetext=\@gobble
15887     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15888     \let\@RTLfootnotetext=\@gobble
15889     \sbox\@tempboxa{%
15890       {\capfont{\strut\ignorespaces
15891         #1{\caplabelfont{#2\captionformat}}}%
15892         #3\unskip\strut}}%
15893     }%
15894     \let\@footnotetext=\scr@tmp@footnotetext
15895     \let\scr@tmp@footnotetext=\undefined
15896     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15897     \let\scr@tmp@LTRfootnotetext=\undefined
15898     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15899     \let\scr@tmp@RTLfootnotetext=\undefined
15900     \setcounter{footnote}{\@tempcntb}%
15901     \setcounter{mpfootnote}{\@tempcnta}%
15902   \else
15903     \sbox\@tempboxa{\hspace*{2\cap@width}}%
15904   \fi
15905   \begingroup%
15906     \setlength{\@tempdima}{\cap@width}%
15907     \ifdim \wd\@tempboxa >\@tempdima
15908       \hb@xt@\hsize{%
15909         \setbox\@tempboxa\vbox{\hsize=\cap@width
15910           \ifdofullc@p
15911             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15912               #1{\caplabelfont{#2\captionformat}}}}}%
15913               #3\unskip\strut\par}}}%
15914         \else%
15915           \ifdim\cap@indent<\z@
15916             {\capfont{\strut\ignorespaces
15917               #1{\caplabelfont{#2\captionformat\par}}}%
15918               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15919           \else%
15920             \if@capbreak
15921               {\capfont{\strut\ignorespaces
15922                 #1{\caplabelfont{#2\captionformat\par}}}%
15923                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%

```




```

15924         \else
15925         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
15926          {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15927           {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}%
15928         \fi
15929     \fi
15930 \fi
15931 }%
15932 \setlength{\@tempdima}{\ht\@tempboxa}%
15933 \addtolength{\@tempdima}{\dp\@tempboxa}%
15934 \addtolength{\@tempdima}{-\ht\strutbox}%
15935 \ht\@tempboxa\ht\strutbox
15936 \dp\@tempboxa\@tempdima
15937 \strut\cap@left
15938 \box\@tempboxa
15939 \cap@right\strut
15940 }%
15941 \else
15942     \global \@minipagefalse
15943     \sbox\@tempboxa{%
15944         {\capfont{\scr@smashdp{\strut\ignorespaces
15945          #1{\caplabelfont{#2\captionformat}}}}}%
15946         #3}%
15947     }%
15948     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
15949     \fi
15950 \endgroup
15951 }
15952 \renewcommand{\@makecaption}[2]{%
15953     \if@captionabove
15954         \vskip\belowcaptionskip
15955     \else
15956         \vskip\abovecaptionskip
15957     \fi
15958     @@makecaption\@firstofone{#1}{#2}%
15959     \if@captionabove
15960         \vskip\abovecaptionskip
15961     \else
15962         \vskip\belowcaptionskip
15963     \fi
15964 }
15965 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15966     \@ifpackageloaded{caption2}{\@komalongtablefalse
15967     \scr@caption@before@longtable@warning{caption2}}%
15968     }{}%
15969     \if@komalongtable
15970         \renewcommand{\LT@makecaption}[3]{%
15971             \noalign{%
15972                 \if@captionabove
15973                     \vskip\belowcaptionskip

```



```

15974         \else
15975             \vskip\abovecaptionskip
15976         \fi
15977     }%
15978     \LT@mcol\LT@cols c{%
15979         \hbox to\z@{\hss\parbox[t]{\linewidth{%
15980             \@makecaption{#1}{#2}{#3}%
15981             \endgraf
15982             \if@captionabove
15983                 \vskip\abovecaptionskip
15984             \else
15985                 \vskip\belowcaptionskip
15986             \fi
15987         }}%
15988         \hss
15989     }%
15990 }%
15991 }%
15992 \renewcommand*{\scr@LT@array}{}%
15993 \let\scr@LT@array=\LT@array
15994 \renewcommand*{\LT@array}{%
15995     \let\scr@caption=\LT@caption
15996     \def\captionabove{\noalign{\global\@captionabovetrue}%
15997         \scr@caption}%
15998     \def\captionbelow{\noalign{\global\@captionabovetrue}%
15999         \scr@caption}%
16000     \if@tablecaptionabove
16001         \let\LT@caption=\captionabove
16002     \else
16003         \let\LT@caption=\captionbelow
16004     \fi
16005     \scr@LT@array
16006 }%
16007 \ClassInfo{\KOMAClassName}{%
16008     longtable captions redefined%
16009 }%
16010 \fi
16011 }
16012
16013 \CloneTOCEntryStyle{tocline}{part}
16014 \TOCEntryStyleStartInitCode{part}{%
16015     \expandafter\renewcommand%
16016     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16017     \expandafter\renewcommand%
16018     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16019     \expandafter\renewcommand%
16020     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16021         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16022     \expandafter\renewcommand\expandafter*%
16023     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%

```



```

16024 }
16025
16026 \CloneTOCEntryStyle{tocline}{section}
16027 \TOCEntryStyleStartInitCode{section}{%
16028   \expandafter\renewcommand%
16029   \csname scr@tso@#1@linefill\endcsname{%
16030     \if@sectionentrywithdots
16031       \TOCLineLeaderFill\relax
16032     \else
16033       \hfill
16034     \fi
16035   }%
16036   % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
16037   \expandafter\renewcommand%
16038   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16039   \expandafter\renewcommand%
16040   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sectionentry}}}%
16041   \expandafter\renewcommand\expandafter*%
16042   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16043 }
16044
16045 \CloneTOCEntryStyle{tocline}{subsection}
16046 \TOCEntryStyleStartInitCode{subsection}{%
16047   \expandafter\renewcommand%
16048   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16049 }
16050
16051 \CloneTOCEntryStyle{subsection}{default}
16052
16053 \DeclareSectionCommand[%
16054   style=part,%
16055   level=\z@,%
16056   tocstyle=part,%
16057   toplevel=\m@ne,%
16058   tocindent=\z@,%
16059   tocnumwidth=2em%
16060 ]{part}
16061 \DeclareSectionCommand[%
16062   style=section,%
16063   level=1,%
16064   indent=\z@,%
16065   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16066   afterskip=2.3ex \@plus .2ex,%
16067   tocstyle=section,%
16068   tocindent=0pt,%
16069   tocnumwidth=1.5em%
16070 ]{section}
16071 \DeclareSectionCommand[%
16072   style=section,%
16073   level=2,%

```



```

16074 indent=\z@,%
16075 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16076 afterskip=1.5ex \@plus .2ex,%
16077 tocstyle=subsection,%
16078 tocindent=1.5em,%
16079 tocnumwidth=2.3em%
16080 ]{subsection}
16081 \DeclareSectionCommand[%
16082   style=section,%
16083   level=3,%
16084   indent=\z@,%
16085   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16086   afterskip=1.5ex \@plus .2ex,%
16087   tocstyle=subsection,%
16088   tocindent=3.8em,%
16089   tocnumwidth=3.2em%
16090 ]{subsubsection}
16091 \DeclareSectionCommand[%
16092   style=section,%
16093   level=4,%
16094   indent=\z@,%
16095   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16096   afterskip=-1em,%
16097   tocstyle=subsection,%
16098   tocindent=7.0em,%
16099   tocnumwidth=4.1em%
16100 ]{paragraph}
16101 \DeclareSectionCommand[%
16102   style=section,%
16103   level=5,%
16104   indent=\scr@parindent,%
16105   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16106   afterskip=-1em,%
16107   tocstyle=subsection,%
16108   tocindent=10em,%
16109   tocnumwidth=5em%
16110 ]{subparagraph}

```

7.102 scrbook-xetex-bidi.def

```

16111 \ProvidesFile{scrbook-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrbook class for XeT
16112 \newcommand{\scr@saved@LTRfootnotetext}{}
16113 \newcommand{\scr@saved@RTLfootnotetext}{}
16114 \let\scr@saved@footnotetext\@footnotetext
16115 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16116 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16117 \renewcommand{\@footnotetext}[1]{%
16118   \scr@saved@footnotetext{#1}%
16119   \csname FN@mf@prepare\endcsname
16120 }

```



```

16121 \renewcommand{\@LTRfootnotetext}[1]{%
16122   \scr@saved@LTRfootnotetext{#1}%
16123   \csname FN@mfb@prepare\endcsname
16124 }
16125 \renewcommand{\@RTLfootnotetext}[1]{%
16126   \scr@saved@RTLfootnotetext{#1}%
16127   \csname FN@mfb@prepare\endcsname
16128 }
16129 \renewcommand\deffootnote[4][1]{%
16130   \long\def\@makefnmark##1{%
16131     \setlength{\@tempdimc}{#3}%
16132     \def\@tempa{#1}\ifx\@tempa\@empty
16133       \@setpar{\@par
16134         \@tempdima = \hsize
16135         \addtolength{\@tempdima}{-#2}%
16136         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16137       \else
16138         \addtolength{\@tempdimc}{#2}%
16139         \addtolength{\@tempdimc}{-#1}%
16140         \@setpar{\@par
16141           \@tempdima = \hsize
16142           \addtolength{\@tempdima}{-#1}%
16143           \@tempdimb = \hsize
16144           \addtolength{\@tempdimb}{-#2}%
16145           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb\fi}%
16146         }%
16147       \fi
16148       \par
16149       \parindent\@tempdimc\noindent
16150       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16151     }%
16152   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16153 }
16154 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16155 \renewcommand*\left@footnoterule{%
16156   \normalsize\ftn@rule@test@values
16157   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16158   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16159   {\usekomafont{footnoterule}{%
16160     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16161   \kern 2.6\p@}
16162 \renewcommand*\right@footnoterule{%
16163   \normalsize\ftn@rule@test@values
16164   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16165   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16166   {\usekomafont{footnoterule}{%
16167     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16168     \kern 2.6\p@}
16169   \renewcommand*\maketitle[1][1]{%
16170     \if@titlepage

```



```

16171 \begin{titlepage}
16172   \setcounter{page}{%
16173     #1%
16174   }%
16175   \let\footnotesize\small
16176   \let\right@footnoterule\relax
16177   \let\left@footnoterule\relax
16178   \let\textwidth@footnoterule\relax
16179   \let\footnote\thanks
16180   \let\LTRfootnote\LTRthanks
16181   \let\RTLfootnote\RTLthanks
16182   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16183   \let\@oldmakefnmark\@makefnmark
16184   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16185   \ifx\@extratitle\@empty \else
16186     \noindent\@extratitle\next@tpage\cleardoubleemptypage
16187     \thispagestyle{empty}%
16188   \fi
16189   \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
16190   \ifx\@titlehead\@empty \else
16191     \begin{minipage}[t]{\textwidth}%
16192       \@titlehead
16193     \end{minipage}\par
16194   \fi
16195   \null\vfill
16196   \begin{center}
16197     \ifx\@subject\@empty \else
16198       {\subject@font \@subject \par}%
16199       \vskip 3em
16200     \fi
16201     {\titlefont\huge \@title\par}%
16202     \vskip 1em
16203     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16204     \vskip 2em
16205     {\Large \lineskip 0.75em
16206       \begin{tabular}[t]{c}
16207         \@author
16208       \end{tabular}\par
16209     }%
16210     \vskip 1.5em
16211     {\Large \@date \par}%
16212     \vskip z@ \@plus3fill
16213     {\Large \@publishers \par}%
16214     \vskip 3em
16215   \end{center}\par
16216   \@thanks
16217   \vfill\null
16218   \if@twoside\next@tpage
16219     \begin{minipage}[t]{\textwidth}
16220       \@uppertitleback

```



```

16221         \end{minipage}\par
16222         \vfill
16223         \begin{minipage}[b]{\textwidth}
16224             \@lowertitleback
16225         \end{minipage}
16226     \fi
16227     \ifx\@dedication\@empty \else
16228         \next@tpage\null\vfill
16229         {\centering \Large \@dedication \par}%
16230         \vskip \z@ \@plus3fill
16231         \if@twoside \next@tpage\cleardoubleemptypage \fi
16232     \fi
16233 \end{titlepage}
16234 \else
16235     \par
16236     \@tempcnta=
16237     #1%
16238     \relax\ifnum\@tempcnta=1\else
16239         \ClassWarning{\KOMAClassName}{%
16240             Optional argument of \string\maketitle\space ignored
16241             at\MessageBreak
16242             notitlepage-mode%
16243         }%
16244     \fi
16245     \begingroup
16246         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16247         \let\@oldmakefnmark\@makefnmark
16248         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16249         \if@twocolumn
16250             \ifnum \col@number=\@one
16251                 \@maketitle
16252             \else
16253                 \twocolumn[\@maketitle]%
16254             \fi
16255         \else
16256             \newpage
16257             \global\@topnum\z@
16258             \@maketitle
16259         \fi
16260         \thispagestyle{\titlepagestyle}\@thanks
16261     \endgroup
16262 \fi
16263 \setcounter{footnote}{0}%
16264 \let\thanks\relax
16265 \let\LTRthanks\relax
16266 \let\RTLthanks\relax
16267 \let\maketitle\relax
16268 \let\@maketitle\relax
16269 \global\let\@thanks\@empty
16270 \global\let\@author\@empty

```



```

16271 \global\let\@date\@empty
16272 \global\let\@title\@empty
16273 \global\let\@subtitle\@empty
16274 \global\let\@extratitle\@empty
16275 \global\let\@titlehead\@empty
16276 \global\let\@subject\@empty
16277 \global\let\@publishers\@empty
16278 \global\let\@uppertitleback\@empty
16279 \global\let\@lowertitleback\@empty
16280 \global\let\@dedication\@empty
16281 \global\let\author\relax
16282 \global\let\title\relax
16283 \global\let\extratitle\relax
16284 \global\let\titlehead\relax
16285 \global\let\subject\relax
16286 \global\let\publishers\relax
16287 \global\let\uppertitleback\relax
16288 \global\let\lowertitleback\relax
16289 \global\let\dedication\relax
16290 \global\let\date\relax
16291 \global\let\and\relax
16292 }%
16293 \renewcommand*{\@maketitle}{%
16294 \clearpage
16295 \let\footnote\thanks
16296 \let\LTRfootnote\LTRthanks
16297 \let\RTLfootnote\RTLthanks
16298 \ifx\@extratitle\@empty \else
16299 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16300 \fi
16301 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16302 \ifx\@titlehead\@empty \else
16303 \begin{minipage}[t]{\textwidth}
16304 \@titlehead
16305 \end{minipage}\par
16306 \fi
16307 \null
16308 \vskip 2em%
16309 \begin{center}%
16310 \ifx\@subject\@empty \else
16311 {\subject@font \@subject \par}
16312 \vskip 1.5em
16313 \fi
16314 {\titlefont\huge \@title \par}%
16315 \vskip .5em
16316 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16317 \vskip 1em
16318 {\Large
16319 \lineskip .5em%
16320 \begin{tabular}[t]{c}

```




```

16321         \@author
16322         \end{tabular}\par
16323     }%
16324     \vskip 1em%
16325     {\Large \@date \par}%
16326     \vskip \z@ \@plus 1em
16327     {\Large \@publishers \par}
16328     \ifx\@dedication\@empty \else
16329         \vskip 2em
16330         {\Large \@dedication \par}
16331     \fi
16332 \end{center}%
16333 \par
16334 \vskip 2em
16335 }%
16336 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16337 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16338 \renewcommand*\thesection{%
16339     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16340         \if@mainmatter\thechapter\@SepMark\fi
16341     \else
16342         \thechapter\@SepMark%
16343     \fi
16344     \@arabic\c@section
16345 }
16346 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16347 \renewcommand*\thesubsubsection{%
16348     \thesubsection\@SepMark\@arabic\c@subsubsection
16349 }
16350 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16351 \renewcommand*\thesubparagraph{%
16352     \theparagraph\@SepMark\@arabic\c@subparagraph
16353 }
16354 \renewcommand*\thefigure{%
16355     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16356         \if@mainmatter\thechapter\@SepMark\fi
16357     \else
16358         \thechapter\@SepMark%
16359     \fi
16360     \@arabic\c@figure
16361 }
16362 \renewcommand*\thetable{%
16363     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16364         \if@mainmatter\thechapter\@SepMark\fi
16365     \else
16366         \thechapter\@SepMark%
16367     \fi
16368     \@arabic\c@table
16369 }
16370 \renewcommand*\theequation{%

```



```

16371 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16372 \if@mainmatter\thechapter\@SepMark\fi
16373 \else
16374 \thechapter\@SepMark%
16375 \fi
16376 \@arabic\c@equation
16377 }
16378 \renewenvironment{thebibliography}[1]{%
16379 \if@bib@break@
16380 \bib@beginhook
16381 \else
16382 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16383 \setchapterpreamble{\bibpreamble}%
16384 \fi\fi
16385 \bib@heading
16386 \bib@beginhook
16387 \bib@before@hook
16388 \fi
16389 \renewcommand{\BreakBibliography}[1]{%
16390 \@bib@break
16391 \end{thebibliography}%
16392 \begingroup ##1\endgroup
16393 \begin{thebibliography}{#1}
16394 }%
16395 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16396 \list{%
16397 \@biblabel{\@arabic\c@enumiv}%
16398 }{%
16399 \settowidth\labelwidth{\@biblabel{#1}}%
16400 \leftmargin\labelwidth
16401 \advance\leftmargin\labelsep
16402 \@openbib@code
16403 \if@bib@break@
16404 \edef\@tempa{%
16405 \noexpand\usecounter{enumiv}%
16406 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16407 }\@tempa
16408 \no@bib@break
16409 \else
16410 \usecounter{enumiv}%
16411 \fi
16412 \let\p@enumiv\@empty
16413 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16414 }%
16415 \sloppy\clubpenalty4000 \widowpenalty4000
16416 \sfcode`\.\=@m
16417 }{%
16418 \if@bib@break@
16419 \def\@noitemerr{%
16420 \@latex@warning{%

```



```

16421         \string\BreakBibliography\space at begin of `thebibliography'
16422     environment\MessageBreak
16423     or following \string\BreakBibliography}%
16424 }%
16425 \else
16426     \def\@noitemerr{%
16427         \@latex@warning{%
16428             Empty `thebibliography' environment or
16429             \string\BreakBibliography\MessageBreak
16430             before end of `thebibliography' environment}%
16431     }%
16432 \fi
16433 \endlist
16434 \if@bib@break@
16435 \else
16436     \bib@after@hook
16437     \let\bib@before@hook\@empty
16438     \let\bib@after@hook\@empty
16439 \fi
16440 \bib@endhook
16441 }
16442 \renewcommand*\left@footnoterule{%
16443     \kern-3\p@
16444     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16445     \hrule\@width.4\columnwidth
16446     \kern 2.6\p@}
16447 \renewcommand*\right@footnoterule{%
16448     \kern-3\p@
16449     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16450     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16451     \kern2.6\p@}
16452 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16453 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16454 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16455 \renewcommand\marginline[1]{%
16456     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16457 }
16458 \renewcommand{\@makecaption}[3]{%
16459     \cap@margin
16460     \ifonelinecaptions
16461         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16462         \let\scr@tmp@footnotetext=\@footnotetext
16463         \let\@footnotetext=\@gobble
16464         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16465         \let\@LTRfootnotetext=\@gobble
16466         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16467         \let\@RTLfootnotetext=\@gobble
16468         \sbox\@tempboxa{%
16469             {\capfont{\strut\ignorespaces
16470                 #1{\caplabelfont{#2\captionformat}}}}%

```



```

16471         #3\unskip\strut}}}%
16472     }%
16473     \let\@footnotetext=\scr@tmp@footnotetext
16474     \let\scr@tmp@footnotetext=\undefined
16475     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16476     \let\scr@tmp@LTRfootnotetext=\undefined
16477     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16478     \let\scr@tmp@RTLfootnotetext=\undefined
16479     \setcounter{footnote}{\@tempcntb}%
16480     \setcounter{mpfootnote}{\@tempcnta}%
16481 \else
16482     \sbox\@tempboxa{\hspace*{2\cap@width}}%
16483 \fi
16484 \begingroup%
16485     \setlength{\@tempdima}{\cap@width}%
16486     \ifdim \wd\@tempboxa >\@tempdima
16487         \hb@xt@\hsize{%
16488             \setbox\@tempboxa\vbox{\hsize=\cap@width
16489                 \ifdofullc@p
16490                     {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16491                         #1{\caplabelfont{#2\captionformat}}}}}%
16492                     {#3\unskip\strut\par}}}%
16493                 \else%
16494                     \ifdim\cap@indent<\z@
16495                         {\capfont{\strut\ignorespaces
16496                             #1{\caplabelfont{#2\captionformat\par}}}%
16497                             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
16498                     \else%
16499                         \if@capbreak
16500                             {\capfont{\strut\ignorespaces
16501                                 #1{\caplabelfont{#2\captionformat\par}}}%
16502                                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16503                             \else
16504                                 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16505                                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16506                                         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16507                                 \fi
16508                             \fi
16509                         \fi
16510                 }%
16511                 \setlength{\@tempdima}{\ht\@tempboxa}%
16512                 \addtolength{\@tempdima}{\dp\@tempboxa}%
16513                 \addtolength{\@tempdima}{-\ht\strutbox}%
16514                 \ht\@tempboxa\ht\strutbox
16515                 \dp\@tempboxa\@tempdima
16516                 \strut\cap@left
16517                 \box\@tempboxa
16518                 \cap@right\strut
16519             }%
16520 \else

```



```

16521 \global \@minipagefalse
16522 \sbox\@tempboxa{%
16523   {\capfont{\scr@smashdp{\strut\ignorespaces
16524     #1{\caplabelfont{#2\captionformat}}}}}%
16525     #3}}}%
16526   }%
16527   {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16528     \fi
16529   \endgroup
16530 }
16531 \renewcommand{\@makecaption}[2]{%
16532   \if@captionabove
16533     \vskip\belowcaptionskip
16534   \else
16535     \vskip\abovecaptionskip
16536   \fi
16537   @@makecaption\@firstofone{#1}{#2}%
16538   \if@captionabove
16539     \vskip\abovecaptionskip
16540   \else
16541     \vskip\belowcaptionskip
16542   \fi
16543 }
16544 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16545   \@ifpackageloaded{caption2}{\@komalongtablefalse
16546     \scr@caption@before@longtable@warning{caption2}%
16547   }{}%
16548   \if@komalongtable
16549     \renewcommand{\LT@makecaption}[3]{%
16550       \noalign{%
16551         \if@captionabove
16552           \vskip\belowcaptionskip
16553         \else
16554           \vskip\abovecaptionskip
16555         \fi
16556       }%
16557       \LT@mcol\LT@cols c{%
16558         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16559           \@makecaption{#1}{#2}{#3}%
16560         \endgraf
16561         \if@captionabove
16562           \vskip\abovecaptionskip
16563         \else
16564           \vskip\belowcaptionskip
16565         \fi
16566       }%
16567       \hss
16568     }%
16569   }%
16570 }%

```



```

16571 \renewcommand*{\scr@LT@array}{}%
16572 \let\scr@LT@array=\LT@array
16573 \renewcommand*{\LT@array}{%
16574   \let\scr@caption=\LT@caption
16575   \def\captionabove{\noalign{\global\@captionabovetrue}%
16576     \scr@caption}%
16577   \def\captionbelow{\noalign{\global\@captionabovefalse}%
16578     \scr@caption}%
16579   \if@tablecaptionabove
16580     \let\LT@caption=\captionabove
16581   \else
16582     \let\LT@caption=\captionbelow
16583   \fi
16584   \scr@LT@array
16585 }%
16586 \ClassInfo{\KOMAClassName}{%
16587   longtable captions redefined%
16588 }%
16589 \fi
16590 }
16591
16592 \CloneTOCEntryStyle{tocline}{part}
16593 \TOCEntryStyleStartInitCode{part}{%
16594   \expandafter\renewcommand%
16595   \csname scr@tso@#1@linefill\endcsname{\hfill}%
16596   \expandafter\renewcommand%
16597   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16598   \expandafter\renewcommand%
16599   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16600     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16601   \expandafter\renewcommand\expandafter*%
16602   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
16603 }
16604
16605 \CloneTOCEntryStyle{tocline}{chapter}
16606 \TOCEntryStyleStartInitCode{chapter}{%
16607   \expandafter\renewcommand%
16608   \csname scr@tso@#1@linefill\endcsname{%
16609     \if@chapterentrywithdots
16610       \TOCLineLeaderFill\relax
16611     \else
16612       \hfill
16613     \fi
16614   }%
16615   \expandafter\renewcommand%
16616   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
16617   \expandafter\renewcommand%
16618   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16619     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
16620   \expandafter\renewcommand\expandafter*%

```



```

16621 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16622 }
16623
16624 \CloneTOCEntryStyle{tocline}{section}
16625 \TOCEntryStyleStartInitCode{section}{%
16626 \expandafter\renewcommand%
16627 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16628 }
16629
16630 \CloneTOCEntryStyle{section}{default}
16631
16632 \DeclareSectionCommand[%
16633 style=part,%
16634 level=\m@ne,%
16635 pagestyle=plain,%
16636 tocstyle=part,%
16637 toplevel=\m@ne,%
16638 tocindent=\z@,%
16639 tocnumwidth=2em%
16640 ]{part}
16641 \DeclareSectionCommand[%
16642 style=chapter,%
16643 level=\z@,%
16644 pagestyle=plain,%
16645 tocstyle=chapter,%
16646 tocindent=\z@,%
16647 tocnumwidth=1.5em%
16648 ]{chapter}
16649 \DeclareSectionCommand[%
16650 style=section,%
16651 level=1,%
16652 indent=\z@,%
16653 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16654 afterskip=2.3ex \@plus .2ex,%
16655 tocstyle=section,%
16656 tocindent=1.5em,%
16657 tocnumwidth=2.3em%
16658 ]{section}
16659 \DeclareSectionCommand[%
16660 style=section,%
16661 level=2,%
16662 indent=\z@,%
16663 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
16664 afterskip=1.5ex \@plus .2ex,%
16665 tocstyle=section,%
16666 tocindent=3.8em,%
16667 tocnumwidth=3.2em%
16668 ]{subsection}
16669 \DeclareSectionCommand[%
16670 style=section,%

```



```

16671 level=3,%
16672 indent=\z@,%
16673 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
16674 afterskip=1.5ex \@plus .2ex,%
16675 tocstyle=section,%
16676 tocindent=7.0em,%
16677 tocnumwidth=4.1em%
16678 ]{subsubsection}
16679 \DeclareSectionCommand[%
16680   style=section,%
16681   level=4,%
16682   indent=\z@,%
16683   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16684   afterskip=-1em,%
16685   tocstyle=section,%
16686   tocindent=10em,%
16687   tocnumwidth=5em%
16688 ]{paragraph}
16689 \DeclareSectionCommand[%
16690   style=section,%
16691   level=5,%
16692   indent=\scr@parindent,%
16693   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
16694   afterskip=-1em,%
16695   tocstyle=section,%
16696   tocindent=12em,%
16697   tocnumwidth=6em%
16698 ]{subparagraph}
16699
16700

```

7.103 scrlettr-xetex-bidi.def

```

16701 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
16702 \renewcommand\deffootnote[4][]{%
16703   \long\def\@makefnmark##1{%
16704     \edef\@tempa{#1}\ifx\@tempa\@empty
16705       \setpar{\@par
16706         \@tempdima = \hsize
16707         \addtolength{\@tempdima}{-#2}
16708         \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16709       \else
16710         \setpar{\@par
16711           \@tempdima = \hsize
16712           \addtolength{\@tempdima}{-#1}
16713           \@tempdimb = \hsize
16714           \addtolength{\@tempdimb}{-#2}
16715           \if@RTL\parshape \tw@ 0pt \@tempdima 0pt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16716         \fi
16717       \par

```




```

16718 \parindent #3\noindent
16719 \hbox to \z@{\hss\@makefnmark}##1}
16720 \def\@makefnmark{\hbox{#4}}
16721 }
16722 \deffootnote[1em]{1.5em}{1em}
16723 {\textsuperscript{\thefootnotemark}}
16724 \def\left@footnoterule{\kern-1\p@
16725 \hrule width 0.4\columnwidth
16726 \kern .6\p@}
16727 \def\right@footnoterule{%
16728 \kern-1\p@
16729 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16730 \kern .6\p@}
16731 \def\@datefield{\@reffalse
16732 \ifx\varyourref\@empty \else \@reftrue \fi
16733 \ifx\varyourmail\@empty \else \@reftrue \fi
16734 \ifx\varmyref\@empty \else \@reftrue \fi
16735 \ifx\varcustomer\@empty \else \@reftrue \fi
16736 \ifx\varinvoice\@empty \else \@reftrue \fi
16737 \ifx\varrefitemi\@empty \else \@reftrue \fi
16738 \ifx\varrefitemii\@empty \else \@reftrue \fi
16739 \ifx\varrefitemiii\@empty \else \@reftrue \fi
16740 \vskip -\parskip
16741 \vskip \refvskip
16742 \if@ref
16743 \ifx\varyourref\@empty \else
16744 \settowidth{\sc@temp}{\varyourref}
16745 \setbox0\hbox{\scriptsize \sf \yourrefname}
16746 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16747 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
16748 \fi
16749 \ifx\varyourmail\@empty \else
16750 \settowidth{\sc@temp}{\varyourmail}
16751 \setbox0\hbox{\scriptsize \sf \yourmailname}
16752 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16753 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
16754 \fi
16755 \ifx\varmyref\@empty \else
16756 \settowidth{\sc@temp}{\varmyref}
16757 \setbox0\hbox{\scriptsize \sf \myrefname}
16758 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16759 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16760 \fi
16761 \ifx\varcustomer\@empty \else
16762 \settowidth{\sc@temp}{\varcustomer}
16763 \setbox0\hbox{\scriptsize \sf \customername}
16764 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16765 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16766 \fi
16767 \ifx\varinvoice\@empty \else

```



```

16768 \settowidth{\sc@temp}{\varinvoice}
16769 \setbox0\hbox{\scriptsize \sf \invoice}
16770 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16771 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16772 \fi
16773 \ifx\varrefitemi\@empty \else
16774 \settowidth{\sc@temp}{\varrefitemi}
16775 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16776 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16777 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16778 \fi
16779 \ifx\varrefitemii\@empty \else
16780 \settowidth{\sc@temp}{\varrefitemii}
16781 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16782 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16783 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16784 \fi
16785 \ifx\varrefitemiii\@empty \else
16786 \settowidth{\sc@temp}{\varrefitemiii}
16787 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16788 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16789 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16790 \fi
16791 \ifx\@date\@empty \else
16792 \settowidth{\sc@temp}{\@date}
16793 \setbox0\hbox{\scriptsize \sf \datename}
16794 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16795 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
16796 \fi
16797 \par
16798 \vspace{2.5\baselineskip}
16799 \else
16800 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16801 \vspace{1.5\baselineskip}
16802 \fi}
16803 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16804 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16805 -\sigindent \hspace{\sigindent}}%
16806 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
16807 \fromsig\strut}\par
16808 \vspace{1.5\baselineskip}}

```

7.104 scrreprt-xetex-bidi.def

```

16809 \ProvidesFile{scrreprt-xetex-bidi.def}[2016/09/14 v1.0 bidi adaptations for scrreprt class for X
16810 \newcommand{\scr@saved@LTRfootnotetext}{}
16811 \newcommand{\scr@saved@RTLfootnotetext}{}
16812 \let\scr@saved@footnotetext\@footnotetext
16813 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16814 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext

```



```

16815 \renewcommand{\@footnotetext}[1]{%
16816   \scr@saved@footnotetext{#1}%
16817   \csname FN@m@prepare\endcsname
16818 }
16819 \renewcommand{\@LTRfootnotetext}[1]{%
16820   \scr@saved@LTRfootnotetext{#1}%
16821   \csname FN@m@prepare\endcsname
16822 }
16823 \renewcommand{\@RTLfootnotetext}[1]{%
16824   \scr@saved@RTLfootnotetext{#1}%
16825   \csname FN@m@prepare\endcsname
16826 }
16827 \renewcommand\deffootnote[4][1]{%
16828   \long\def\@makefnmark##1{%
16829     \setlength{\@tempdimc}{#3}%
16830     \def\@tempa{#1}\ifx\@tempa\@empty
16831       \setpar{\@par
16832         \@tempdima = \hsize
16833         \addtolength{\@tempdima}{-#2}%
16834         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16835       \else
16836         \addtolength{\@tempdimc}{#2}%
16837         \addtolength{\@tempdimc}{-#1}%
16838         \setpar{\@par
16839           \@tempdima = \hsize
16840           \addtolength{\@tempdima}{-#1}%
16841           \@tempdimb = \hsize
16842           \addtolength{\@tempdimb}{-#2}%
16843           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16844         }%
16845       \fi
16846       \par
16847       \parindent\@tempdimc\noindent
16848       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16849     }%
16850     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16851   }
16852 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16853 \renewcommand*\left@footnoterule{%
16854   \normalsize\ftn@rule@test@values
16855   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16856   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16857   {\usekomafont{footnoterule}{%
16858     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16859   \kern 2.6\p@}
16860 \renewcommand*\right@footnoterule{%
16861   \normalsize\ftn@rule@test@values
16862   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16863   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16864   {\usekomafont{footnoterule}{%

```



```

16865 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16866 \kern 2.6\p@}
16867 \renewcommand*\maketitle[1][1]{%
16868 \if@titlepage
16869 \begin{titlepage}
16870 \setcounter{page}{%
16871 #1%
16872 }%
16873 \let\footnotesize\small
16874 \let\right@footnoterule\relax
16875 \let\left@footnoterule\relax
16876 \let\textwidth@footnoterule\relax
16877 \let\footnote\thanks
16878 \let\LTRfootnote\LTRthanks
16879 \let\RTLfootnote\RTLthanks
16880 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16881 \let\@oldmakefnmark\@makefnmark
16882 \renewcommand*\@makefnmark{\rlap{\@oldmakefnmark}}%
16883 \ifx\@extratitle\@empty \else
16884 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16885 \thispagestyle{empty}%
16886 \fi
16887 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
16888 \ifx\@titlehead\@empty \else
16889 \begin{minipage}[t]{\textwidth}%
16890 \@titlehead
16891 \end{minipage}\par
16892 \fi
16893 \null\vfill
16894 \begin{center}
16895 \ifx\@subject\@empty \else
16896 {\subject@font \@subject \par}%
16897 \vskip 3em
16898 \fi
16899 {\titlefont\huge \@title\par}%
16900 \vskip 1em
16901 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16902 \vskip 2em
16903 {\Large \lineskip 0.75em
16904 \begin{tabular}[t]{c}
16905 \@author
16906 \end{tabular}\par
16907 }%
16908 \vskip 1.5em
16909 {\Large \@date \par}%
16910 \vskip z@ \@plus3fill
16911 {\Large \@publishers \par}%
16912 \vskip 3em
16913 \end{center}\par
16914 \@thanks

```



```

16915 \vfill\null
16916 \if@twoside\next@tpage
16917 \begin{minipage}[t]{\textwidth}
16918 \@uppertitleback
16919 \end{minipage}\par
16920 \vfill
16921 \begin{minipage}[b]{\textwidth}
16922 \@lowertitleback
16923 \end{minipage}
16924 \fi
16925 \ifx\@dedication\@empty \else
16926 \next@tpage\null\vfill
16927 {\centering \Large \@dedication \par}%
16928 \vskip \z@ \@plus3fill
16929 \if@twoside \next@tpage\cleardoubleemptypage \fi
16930 \fi
16931 \end{titlepage}
16932 \else
16933 \par
16934 \@tempcnta=%
16935 #1%
16936 \relax\ifnum\@tempcnta=1\else
16937 \ClassWarning{KOMAClassName}{%
16938 Optional argument of \string\maketitle\space ignored
16939 at\MessageBreak
16940 notitlepage-mode%
16941 }%
16942 \fi
16943 \begingroup
16944 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16945 \let\@oldmakefnmark\@makefnmark
16946 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16947 \if@twocolumn
16948 \ifnum \col@number=\@ne
16949 \@maketitle
16950 \else
16951 \twocolumn[\@maketitle]%
16952 \fi
16953 \else
16954 \newpage
16955 \global\@topnum\z@
16956 \@maketitle
16957 \fi
16958 \thispagestyle{\titlepagestyle}\@thanks
16959 \endgroup
16960 \fi
16961 \setcounter{footnote}{0}%
16962 \let\thanks\relax
16963 \let\LTrthanks\relax
16964 \let\RTLthanks\relax

```



```

16965 \let\maketitle\relax
16966 \let\@maketitle\relax
16967 \global\let\@thanks\@empty
16968 \global\let\@author\@empty
16969 \global\let\@date\@empty
16970 \global\let\@title\@empty
16971 \global\let\@subtitle\@empty
16972 \global\let\@extratitle\@empty
16973 \global\let\@titlehead\@empty
16974 \global\let\@subject\@empty
16975 \global\let\@publishers\@empty
16976 \global\let\@uppertitleback\@empty
16977 \global\let\@lowertitleback\@empty
16978 \global\let\@dedication\@empty
16979 \global\let\author\relax
16980 \global\let\title\relax
16981 \global\let\extratitle\relax
16982 \global\let\titlehead\relax
16983 \global\let\subject\relax
16984 \global\let\publishers\relax
16985 \global\let\uppertitleback\relax
16986 \global\let\lowertitleback\relax
16987 \global\let\dedication\relax
16988 \global\let\date\relax
16989 \global\let\and\relax
16990 }%
16991 \renewcommand*{\@maketitle}{%
16992 \clearpage
16993 \let\footnote\thanks
16994 \let\LTRfootnote\LTRthanks
16995 \let\RTLfootnote\RTLthanks
16996 \ifx\@extratitle\@empty \else
16997 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16998 \fi
16999 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17000 \ifx\@titlehead\@empty \else
17001 \begin{minipage}[t]{\textwidth}
17002 \@titlehead
17003 \end{minipage}\par
17004 \fi
17005 \null
17006 \vskip 2em%
17007 \begin{center}%
17008 \ifx\@subject\@empty \else
17009 {\subject@font \@subject \par}
17010 \vskip 1.5em
17011 \fi
17012 {\titlefont\huge \@title \par}%
17013 \vskip .5em
17014 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```



```

17015 \vskip 1em
17016 {\Large
17017 \lineskip .5em%
17018 \begin{tabular}[t]{c}
17019 \@author
17020 \end{tabular}\par
17021 }%
17022 \vskip 1em%
17023 {\Large \@date \par}%
17024 \vskip \z@ \@plus 1em
17025 {\Large \@publishers \par}
17026 \ifx\@dedication\@empty \else
17027 \vskip 2em
17028 {\Large \@dedication \par}
17029 \fi
17030 \end{center}%
17031 \par
17032 \vskip 2em
17033 }%
17034 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17035 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17036 \renewcommand*\thesection{%
17037 \thechapter\@SepMark%
17038 \@arabic\c@section
17039 }
17040 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17041 \renewcommand*\thesubsubsection{%
17042 \thesubsection\@SepMark\@arabic\c@subsubsection
17043 }
17044 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17045 \renewcommand*\thesubparagraph{%
17046 \theparagraph\@SepMark\@arabic\c@subparagraph
17047 }
17048 \renewcommand*\thefigure{%
17049 \thechapter\@SepMark%
17050 \@arabic\c@figure
17051 }
17052 \renewcommand*\thetable{%
17053 \thechapter\@SepMark%
17054 \@arabic\c@table
17055 }
17056 \renewcommand*\theequation{%
17057 \thechapter\@SepMark%
17058 \@arabic\c@equation
17059 }
17060 \renewenvironment{thebibliography}[1]{%
17061 \if@bib@break@
17062 \bib@beginhook
17063 \else
17064 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else

```



```

17065         \setchapterpreamble{\bibpreamble}%
17066     \fi\fi
17067     \bib@heading
17068     \bib@beginhook
17069     \bib@before@hook
17070 \fi
17071 \renewcommand{\BreakBibliography}[1]{%
17072     \@bib@break
17073     \end{thebibliography}%
17074     \begingroup ##1\endgroup
17075     \begin{thebibliography}{#1}
17076 }%
17077 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
17078 \list{%
17079     \@biblabel{\@arabic\c@enumiv}%
17080 }{%
17081     \settowidth\labelwidth{\@biblabel{#1}}%
17082     \leftmargin\labelwidth
17083     \advance\leftmargin\labelsep
17084     \@openbib@code
17085     \ifbib@break@
17086         \edef\@tempa{%
17087             \noexpand\usecounter{enumiv}%
17088             \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17089         }\@tempa
17090         \no@bib@break
17091     \else
17092         \usecounter{enumiv}%
17093     \fi
17094     \let\p@enumiv\@empty
17095     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17096 }%
17097 \sloppy\clubpenalty4000 \widowpenalty4000
17098 \sfcode`\.=\@m
17099 }{%
17100     \ifbib@break@
17101         \def\@noitemerr{%
17102             \@latex@warning{%
17103                 \string\BreakBibliography\space at begin of `thebibliography'
17104                 environment\MessageBreak
17105                 or following \string\BreakBibliography}%
17106         }%
17107     \else
17108         \def\@noitemerr{%
17109             \@latex@warning{%
17110                 Empty `thebibliography' environment or
17111                 \string\BreakBibliography\MessageBreak
17112                 before end of `thebibliography' environment}%
17113         }%
17114     \fi

```




```

17115 \endlist
17116 \if@bib@break@
17117 \else
17118 \bib@after@hook
17119 \let\bib@before@hook\@empty
17120 \let\bib@after@hook\@empty
17121 \fi
17122 \bib@endhook
17123 }
17124 \renewcommand*\left@footnoterule{%
17125 \kern-3\p@
17126 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17127 \hrule\@width.4\columnwidth
17128 \kern 2.6\p@}
17129 \renewcommand*\right@footnoterule{%
17130 \kern-3\p@
17131 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17132 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17133 \kern2.6\p@}
17134 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17135 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17136 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17137 \renewcommand\marginline[1]{%
17138 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17139 }
17140 \renewcommand{\@@makecaption}[3]{%
17141 \cap@margin
17142 \ifonelinecaptions
17143 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17144 \let\scr@tmp@footnotetext=\@footnotetext
17145 \let\@footnotetext=\@gobble
17146 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17147 \let\@LTRfootnotetext=\@gobble
17148 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17149 \let\@RTLfootnotetext=\@gobble
17150 \sbox\@tempboxa{%
17151 {\capfont{\strut\ignorespaces
17152 #1{\caplabelfont{#2\captionformat}}}%
17153 #3\unskip\strut}}%
17154 }%
17155 \let\@footnotetext=\scr@tmp@footnotetext
17156 \let\scr@tmp@footnotetext=\undefined
17157 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17158 \let\scr@tmp@LTRfootnotetext=\undefined
17159 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17160 \let\scr@tmp@RTLfootnotetext=\undefined
17161 \setcounter{footnote}{\@tempcntb}%
17162 \setcounter{mpfootnote}{\@tempcnta}%
17163 \else
17164 \sbox\@tempboxa{\hspace*{2\cap@width}}%

```



```

17165 \fi
17166 \begingroup%
17167 \setlength{\@tempdima}{\cap@width}%
17168 \ifdim \wd\@tempboxa >\@tempdima
17169 \hb@xt@\hsize{%
17170 \setbox\@tempboxa\vbox{\hsize=\cap@width
17171 \ifdofullc@p
17172 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17173 #1{\caplabelfont{#2\captionformat}}}}}%
17174 {#3\unskip\strut\par}}}%
17175 \else%
17176 \ifdim\cap@indent<\z@
17177 {\capfont{\strut\ignorespaces
17178 #1{\caplabelfont{#2\captionformat\par}}}%
17179 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17180 \else%
17181 \if@capbreak
17182 {\capfont{\strut\ignorespaces
17183 #1{\caplabelfont{#2\captionformat\par}}}%
17184 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17185 \else
17186 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
17187 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17188 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17189 \fi
17190 \fi
17191 \fi
17192 }%
17193 \setlength{\@tempdima}{\ht\@tempboxa}%
17194 \addtolength{\@tempdima}{\dp\@tempboxa}%
17195 \addtolength{\@tempdima}{-\ht\strutbox}%
17196 \ht\@tempboxa\ht\strutbox
17197 \dp\@tempboxa\@tempdima
17198 \strut\cap@left
17199 \box\@tempboxa
17200 \cap@right\strut
17201 }%
17202 \else
17203 \global \@minipagefalse
17204 \sbox\@tempboxa{%
17205 {\capfont{\scr@smashdp{\strut\ignorespaces
17206 #1{\caplabelfont{#2\captionformat}}}}}%
17207 #3}%
17208 }%
17209 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17210 \fi
17211 \endgroup
17212 }
17213 \renewcommand{\@makecaption}[2]{%
17214 \if@captionabove

```



```

17215 \vskip\belowcaptionskip
17216 \else
17217 \vskip\abovecaptionskip
17218 \fi
17219 @@makecaption\@firstofone{#1}{#2}%
17220 \if@captionabove
17221 \vskip\abovecaptionskip
17222 \else
17223 \vskip\belowcaptionskip
17224 \fi
17225 }
17226 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17227 \ifpackageloaded{caption2}{\@komalongtablefalse
17228 \scr@caption@before@longtable@warning{caption2}%
17229 }{}%
17230 \if@komalongtable
17231 \renewcommand{\LT@makecaption}[3]{%
17232 \noalign{%
17233 \if@captionabove
17234 \vskip\belowcaptionskip
17235 \else
17236 \vskip\abovecaptionskip
17237 \fi
17238 }%
17239 \LT@mcol\LT@cols c{%
17240 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17241 \@@makecaption{#1}{#2}{#3}%
17242 \endgraf
17243 \if@captionabove
17244 \vskip\abovecaptionskip
17245 \else
17246 \vskip\belowcaptionskip
17247 \fi
17248 }%
17249 \hss
17250 }%
17251 }%
17252 }%
17253 \renewcommand*{\scr@LT@array}{}%
17254 \let\scr@LT@array=\LT@array
17255 \renewcommand*{\LT@array}{%
17256 \let\scr@caption=\LT@caption
17257 \def\captionabove{\noalign{\global\@captionabovetrue}%
17258 \scr@caption}%
17259 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17260 \scr@caption}%
17261 \if@tablecaptionabove
17262 \let\LT@caption=\captionabove
17263 \else
17264 \let\LT@caption=\captionbelow

```



```

17265     \fi
17266     \scr@LT@array
17267   }%
17268   \ClassInfo{\KOMAClassName}{%
17269     longtable captions redefined%
17270   }%
17271 \fi
17272 }
17273
17274 \CloneTOCEntryStyle{tocline}{part}
17275 \TOCEntryStyleStartInitCode{part}{%
17276   \expandafter\renewcommand%
17277   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17278   \expandafter\renewcommand%
17279   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17280   \expandafter\renewcommand%
17281   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17282     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17283   \expandafter\renewcommand\expandafter*%
17284   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17285 }
17286
17287 \CloneTOCEntryStyle{tocline}{chapter}
17288 \TOCEntryStyleStartInitCode{chapter}{%
17289   \expandafter\renewcommand%
17290   \csname scr@tso@#1@linefill\endcsname{%
17291     \if@chapterentrywithdots
17292       \TOCLineLeaderFill\relax
17293     \else
17294       \hfill
17295     \fi
17296   }%
17297   \expandafter\renewcommand%
17298   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17299   \expandafter\renewcommand%
17300   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17301     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17302   \expandafter\renewcommand\expandafter*%
17303   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17304 }
17305
17306 \CloneTOCEntryStyle{tocline}{section}
17307 \TOCEntryStyleStartInitCode{section}{%
17308   \expandafter\renewcommand%
17309   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17310 }
17311
17312 \CloneTOCEntryStyle{section}{default}
17313
17314 \DeclareSectionCommand[%

```



```

17315 style=part,%
17316 level=\m@ne,%
17317 pagestyle=plain,%
17318 tocstyle=part,%
17319 toplevel=\m@ne,%
17320 tocindent=\z@,%
17321 tocnumwidth=2em%
17322 ]{part}
17323 \DeclareSectionCommand[%
17324 style=chapter,%
17325 level=\z@,%
17326 pagestyle=plain,%
17327 tocstyle=chapter,%
17328 tocindent=\z@,%
17329 tocnumwidth=1.5em%
17330 ]{chapter}
17331 \DeclareSectionCommand[%
17332 style=section,%
17333 level=1,%
17334 indent=\z@,%
17335 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17336 afterskip=2.3ex \@plus .2ex,%
17337 tocstyle=section,%
17338 tocindent=1.5em,%
17339 tocnumwidth=2.3em%
17340 ]{section}
17341 \DeclareSectionCommand[%
17342 style=section,%
17343 level=2,%
17344 indent=\z@,%
17345 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17346 afterskip=1.5ex \@plus .2ex,%
17347 tocstyle=section,%
17348 tocindent=3.8em,%
17349 tocnumwidth=3.2em%
17350 ]{subsection}
17351 \DeclareSectionCommand[%
17352 style=section,%
17353 level=3,%
17354 indent=\z@,%
17355 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17356 afterskip=1.5ex \@plus .2ex,%
17357 tocstyle=section,%
17358 tocindent=7.0em,%
17359 tocnumwidth=4.1em%
17360 ]{subsubsection}
17361 \DeclareSectionCommand[%
17362 style=section,%
17363 level=4,%
17364 indent=\z@,%

```



```

17365 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
17366 afterskip=-1em,%
17367 tocstyle=section,%
17368 tocindent=10em,%
17369 tocnumwidth=5em%
17370 ]{paragraph}
17371 \DeclareSectionCommand[%
17372   style=section,%
17373   level=5,%
17374   indent=\scr@parindent,%
17375   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
17376   afterskip=-1em,%
17377   tocstyle=section,%
17378   tocindent=12em,%
17379   tocnumwidth=6em%
17380 ]{subparagraph}
17381
17382

```

7.105 sidecap-xetex-bidi.def

```

17383 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for X
17384 \renewcommand*{\SC@FLOAT}[2]{\ifRTL%
17385   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}}{\ifRTL%
17386   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}}{\ifRTL%
17387   \renewcommand*{\SC@justify@caption}{\ifRTL%
17388   \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17389   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.106 soul-xetex-bidi.def

```

17390 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX en
17391 \long\def\SOUL@start#1{%
17392   \let\bidi@RTL@everypar\@empty
17393   \let\<\SOUL@lowerthan
17394   \let\>\empty
17395   \def\soulomit{\noexpand\soulomit}%
17396   \gdef\SOUL@eventuallyexhyphen##1{%
17397   \let\SOUL@soeventuallyskip\relax
17398   \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
17399   \@minus\fontdimen4\font
17400   \SOUL@ignorespacesfalse
17401   \leavevmode
17402   \SOUL@preamble
17403   \SOUL@lasttoken={}%
17404   \SOUL@word={}%
17405   \SOUL@minus\z@
17406   \SOUL@comma\z@
17407   \SOUL@apo\z@
17408   \SOUL@grave\z@
17409   \SOUL@do{#1}%

```



```

17410 \SOUL@postamble
17411 }}
17412 \def\SOUL@ulunderline#1{%
17413 \setbox\z@\hbox{#1}%
17414 \dimen@=\wd\z@
17415 \dimen@i=\SOUL@uloverlap
17416 \advance\dimen@2\dimen@i
17417 \if@RTL
17418 \unhcopy\z@
17419 \llap{%
17420 \null
17421 \kern-\dimen@i
17422 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17423 }%
17424 \else
17425 \rlap{%
17426 \null
17427 \kern-\dimen@i
17428 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17429 }%
17430 \unhcopy\z@
17431 \fi
17432 }}
17433 \def\bid@SOUL@ulleaders{%
17434 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\rela
17435 }
17436 \def\SOUL@uleveryspace#1{%
17437 \if@RTL
17438 #1%
17439 \bid@SOUL@ulleaders
17440 \hskip\spaceskip
17441 \else
17442 \SOUL@ulcolor{%
17443 #1%
17444 \SOUL@ulleaders
17445 \hskip\spaceskip
17446 }%
17447 \fi
17448 \null
17449 }

```

7.107 stabular-xetex-bidi.def

```

17450 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
17451 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17452 \leavevmode \bgroup \if@RTLtab\beginR \fi
17453 \let\@acol\@tabacol
17454 \let\@classz\@tabclassz
17455 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17456 \def\endstabular{\@crr\egroup\if@RTLtab\egroup\endR\egroup\fi

```



```

17457             \egroup \if@RTLtab\endR\fi\egroup
17458             \@RTLtabfalse}
17459 \expandafter \let \csname endstabular*\endcsname = \endstabular
17460 \def\@sarray[#1]#2{%
17461   \bgroup
17462   \setbox\@arstrutbox\hbox{%
17463     \vrule \@height\arraystretch\ht\strutbox
17464     \@depth\arraystretch \dp\strutbox
17465     \@width\z@}%
17466   \@mkpream{#2}%
17467   \edef\@preamble{%
17468     \ialign \noexpand\@halignto
17469     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17470   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17471   \let\tabularnewline\\%
17472   \let\@sharp##%
17473   \set@typeset@protect
17474   \lineskip\z@skip\baselineskip\z@skip
17475   \if@RTLtab\hbox\bgroup\beginR\if #1t\top \else \vbox \fi\bgroup\fi
17476   \@preamble}

```

7.108 subfigure-xetex-bidi.def

```

17477 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
17478 \AtBeginDocument{%
17479 \let\p@subfigure=\thefigure
17480 \let\p@subtable=\thetable%
17481 }

```

7.109 tabs-xetex-bidi.def

```

17482 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX
17483 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17484   \@RTLtabfalse}
17485
17486 \expandafter\let\csname endtabular*\endcsname=\endtabular
17487
17488 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17489   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17490   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17491
17492 \def\@array[#1]#2{% remember global variables to allow recursion:
17493   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17494     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17495   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17496   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17497   \else \let\@tarlinesep\tablinesep \fi
17498   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17499   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
17500   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17501   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)

```




```

17502 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
17503 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17504 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17505 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17506 \let\protect\noexpand
17507 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17508 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17509 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17510 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17511 \bgroup \let\par\@empty
17512 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17513 \advance\extrarulesep.5\arrayrulewidth
17514 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17515 \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
17516 \@preamble}

```

7.110 tabularx-xetex-bidi.def

```

17517 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
17518 \def\TX@endtabularx{%
17519 \expandafter\expandafter\expandafter
17520 \TX@find@endtabularxa\csname end\TX@\endcsname
17521 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17522 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17523 \let\verb\TX@verb
17524 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
17525 \edef\TX@ckpt{\cl@ckpt}%
17526 \let\@elt\relax
17527 \TX@old@table\maxdimen
17528 \TX@col@width\TX@target
17529 \global\TX@cols\@ne
17530 \TX@typeout@
17531 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17532 \TX@trial{\def\NC@rewriteX{%
17533 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17534 \loop
17535 \TX@arith
17536 \ifTX@
17537 \TX@trial{}%
17538 \repeat
17539 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17540 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17541 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17542 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17543 \the\toks@
17544 \csname endtabular*\endcsname}%
17545 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17546 \ifnum0=`\fi}%
17547 \expandafter\expandafter\expandafter
17548 \TX@find@endtabularxbb

```



```

17549 \expandafter\end\expandafter{\TX@}%
17550 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17551 }
17552
17553 \def\TX@trial#1{%
17554 \setbox\@tempboxa\hbox{%
17555 #1\relax
17556 \let\@footnotetext\TX@trial@ftn
17557 \let\@LTRfootnotetext\TX@trial@ftn
17558 \let\@RTLfootnotetext\TX@trial@ftn
17559 \let\TX@vwarn\@empty
17560 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17561 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17562 \def\write{\begingroup
17563 \def\let{\afterassignment\endgroup\toks@}%
17564 \afterassignment\let\count@}%
17565 \hbadness\@M
17566 \hfuzz\maxdimen
17567 \let\hbadness\@tempcnta
17568 \let\hfuzz\@tempdima
17569 \expandafter\tabular\the\toks@
17570 \endtabular}%
17571 \TX@ckpt
17572 \TX@typeout@{\@spaces
17573 \expandafter\TX@align
17574 \the\wd\@tempboxa\space\space\space\space\space\@@
17575 \expandafter\TX@align
17576 \the\TX@col@width\space\space\space\space\space\@@
17577 \@spaces\the\TX@cols}}
17578
17579 \long\def\TX@LTRftntext#1{%
17580 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17581 [\the\csname c@\@mpfn\endcsname]}}%
17582 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17583 \long\def\TX@xLTRftntext[#1]#2{%
17584 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17585
17586 \long\def\TX@RTLftntext#1{%
17587 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17588 [\the\csname c@\@mpfn\endcsname]}}%
17589 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17590 \long\def\TX@xRTLftntext[#1]#2{%
17591 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.111 tabulary-xetex-bidi.def

```

17592 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17593 \def\@testpach{\@chclass
17594 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
17595 \ifnum \@lastchclass=7 5 \else

```



```

17596 \ifnum \@lastchclass=8 \tw@ \else
17597 \ifnum \@lastchclass=9 \thr@@
17598 \else \z@
17599 \ifnum \@lastchclass = 10 \else
17600 \edef\@nextchar{\expandafter\string\@nextchar}%
17601 \@chnum
17602 \if \@nextchar c\z@ \else
17603 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
17604 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
17605 \if \@nextchar C7 \else
17606 \if \@nextchar L8 \else
17607 \if \@nextchar R9 \else
17608 \if \@nextchar J10 \else
17609 \z@ \@chclass
17610 \if \@nextchar |\@ne \else
17611 \if \@nextchar !6 \else
17612 \if \@nextchar @7 \else
17613 \if \@nextchar <8 \else
17614 \if \@nextchar >9 \else
17615 10
17616 \@chnum
17617 \if \@nextchar m\thr@@\else
17618 \if \@nextchar p4 \else
17619 \if \@nextchar b5 \else
17620 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
17621 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.112 tc-xetex-bidi.def

```

17622 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17623 \def\@cliptoboxdim#1{%
17624   \setbox#1=\hbox{%
17625     \Gin@defaultbp\WIDTH{\wd#1}%
17626     \Gin@defaultbp\DEPTH{\dp#1}%
17627     \@tempdima\ht#1%
17628     \advance\@tempdima\dp#1%
17629     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17630     \beginL\special{pdf:bcontent }%
17631     \special{%
17632       pdf:literal direct
17633       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17634     }%
17635     \special{pdf:literal direct W }%
17636     \special{pdf:literal direct n }%
17637     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17638     \special{pdf:econtent }\endL%
17639   }%
17640 }

```

7.113 titlesec-xetex-bidi.def



```

17641 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for
17642 \renewcommand\filright{%
17643   \gdef\ttl@filleft##1{\hskip##1}%
17644   \gdef\ttl@filright##1{\hfill}%
17645   \let\\\@centercr
17646   \advance\rightskip\z@ \@plus 1fil
17647 \parfillskip\z@}
17648 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
17649   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17650   \setlength\leftskip{#6}%
17651   \setlength\rightskip{#7}%
17652   \interlinepenalty\@M
17653   \ttl@changecentercr
17654   \ttl@beginlongest
17655   #1{\ifhmode\ttl@hmode@error\fi
17656     \ttl@glcmds
17657     \parindent\z@
17658     \leavevmode
17659     \begingroup
17660     \ifttl@label
17661       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17662       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17663       \llap{\box\z@}%
17664       \fi
17665       #4{#8}%
17666       \kern\z@\strut\@par
17667     \endgroup
17668     \nobreak\ttl@midlongest#5\@par}%
17669   \ttl@endlongest}

```

7.114 titletoc-xetex-bidi.def

```

17670 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17671 \renewcommand\filright{%
17672   \gdef\ttl@filleft##1{\hskip##1}%
17673   \gdef\ttl@filright##1{\hfill}%
17674   \let\\\@centercr
17675   \advance\rightskip\z@ \@plus 1fil
17676 \parfillskip\z@}
17677 \renewcommand\contentspush[1]{%
17678   \sbox\z@{#1}%
17679   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17680   \aftergroup\ttl@b
17681   \leavevmode\llap{\box\z@}}
17682 \def\ttl@outnoblock#1#2#3{%
17683   \begingroup
17684   \ifnum\ttl@b>\ttl@a
17685     \nobreak
17686   \else\ifnum\ttl@b<\ttl@a
17687     \addpenalty{\@secpenalty}%

```



```

17688 \else
17689 \addpenalty{\z@}%
17690 \fi\fi
17691 \ttl@contentsstretch
17692 \nobreak
17693 \ifcase#1\relax\else\interlinepenalty\@M\fi
17694 \parindent\z@
17695 \ifx\@nil#2%
17696 \PackageError{titletoc}{Unimplemented}%
17697 {The optional argument is currently mandatory}%
17698 \else
17699 \ifRTL\setlength\rightskip{#2}\else
17700 \setlength\leftskip{#2}\fi%
17701 \fi
17702 \ifRTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17703 \let\contentsmargin\ttl@margin
17704 \def\ttl@makeline##1{##1}%
17705 #3%
17706 \addtolength{\parfillskip}{-\ttl@corr}%
17707 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17708 \let\ttl@leaders\leaders}
17709 \renewcommand\ttl@margin[2][\z@]{%
17710 \def\ttl@corr{#1}%
17711 \advance\ifRTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17712 \advance\ifRTL\leftskip\else\rightskip\fi#2\relax
17713 \def\@pnumwidth{#2}}
17714 \let\ttl@savel@part\l@part
17715 \def\l@part{\ttl@lselect{part}}
17716
17717 \let\ttl@savel@chapter\l@chapter
17718 \def\l@chapter{\ttl@lselect{chapter}}

```

7.115 tocibind-xetex-bidi.def

```

17719 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package f
17720 \if@dotocbib
17721 \@ifpackageloaded{natbib}{}{% natbib not loaded
17722 \renewcommand{\bibsection}{\tcb@bchapsec}
17723 \renewenvironment{thebibliography}[1]{%
17724 \bibsection
17725 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
17726 \renewenvironment{thebibitemlist}[1]{
17727 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17728 \list{\@biblabel{\@arabic{enumiv}}}%
17729 {\settowidth\labelwidth{\@biblabel{#1}}%
17730 \leftmargin\labelwidth
17731 \advance\leftmargin\labelsep
17732 \@openbib@code
17733 \usecounter{enumiv}%
17734 \let\p@enumiv\@empty

```



```

17735         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
17736     \sloppy
17737     \clubpenalty4000
17738     \@clubpenalty \clubpenalty
17739     \widowpenalty4000%
17740     \sfcode`.\@m}
17741 {\def\@noitemerr
17742   {\@latex@warning{Empty `thebibliography' environment}}}%
17743   \endlist}
17744
17745   \@ifpackagewith{chapterbib}{sectionbib}%
17746   {\renewcommand{\sectionbib}[2]{}}%
17747   {}
17748
17749 \fi
17750 \if@inltxdoc\else
17751   \renewenvironment{theindex}%
17752   {\if@twocolumn
17753     \@restonecolfalse
17754     \else
17755       \@restonecoltrue
17756     \fi
17757   \if@bibchapter
17758     \if@donumindex
17759       \refstepcounter{chapter}
17760       \twocolumn[\vspace*{2\topskip}%
17761         \@makechapterhead{\indexname}]]%
17762     \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17763     \chaptermark{\indexname}
17764     \else
17765       \if@dotocind
17766         \twocolumn[\vspace*{2\topskip}%
17767           \@makeschapterhead{\indexname}]]%
17768         \prw@mkboth{\indexname}
17769         \addcontentsline{toc}{chapter}{\indexname}
17770       \else
17771         \twocolumn[\vspace*{2\topskip}%
17772           \@makeschapterhead{\indexname}]]%
17773         \prw@mkboth{\indexname}
17774       \fi
17775     \fi
17776   \else
17777     \if@donumindex
17778       \twocolumn[\vspace*{-1.5\topskip}%
17779         \@nameuse{\@tocextra}{\indexname}]]%
17780       \csname \@tocextra mark\endcsname{\indexname}
17781     \else
17782       \if@dotocind
17783         \twocolumn[\vspace*{-1.5\topskip}%
17784           \toc@headstar{\@tocextra}{\indexname}]]%

```



```

17785         \prw@mkboth{\indexname}
17786         \addcontentsline{toc}{\@tocextra}{\indexname}
17787     \else
17788         \twocolumn[\vspace*{-1.5\topskip}%
17789             \toc@headstar{\@tocextra}{\indexname}]]%
17790         \prw@mkboth{\indexname}
17791     \fi
17792 \fi
17793 \fi
17794 \thispagestyle{plain}\parindent\z@
17795 \parskip\z@ \@plus .3\p@\relax
17796 \let\item\@idxitem}
17797 {\if@restonecol\onecolumn\else\clearpage\fi}
17798 \fi

```

7.116 tocloft-xetex-bidi.def

```

17799 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
17800 \let\cftdot\@SepMark
17801 \if@cfthaspart
17802 \renewcommand*{\l@part}[2]{
17803     \@cftdopartfalse
17804     \ifnum \c@tocdepth >-2\relax
17805         \if@cfthaschapter
17806             \@cftdoparttrue
17807         \fi
17808         \ifnum \c@tocdepth >\m@ne
17809             \if@cfthaschapter\else
17810                 \@cftdoparttrue
17811             \fi
17812         \fi
17813     \fi
17814     \if@cftdopart
17815         \if@cfthaschapter
17816             \addpenalty{-\@highpenalty}
17817         \else
17818             \addpenalty\@secpenalty
17819         \fi
17820     \addvspace{\cftbeforepartskip}
17821     \begingroup
17822     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
17823     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17824     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17825     \parindent \cftpartindent\relax\@afterindenttrue
17826     \interlinepenalty\@M
17827     \leavevmode
17828     \@tempdima \cftpartnumwidth\relax
17829     \let\@cftbsnum \cftpartpresnum
17830     \let\@cftasnum \cftpartaftersnum
17831     \let\@cftasnumb \cftpartaftersnumb

```



```

17832 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17833 {\cftpartfont \cftpartpresnum #1}
17834 \cftpartfillnum{#2}}
17835 \nobreak
17836 \if@cfthaschapter
17837 \global\@nobreaktrue
17838 \everypar{\global\@nobreakfalse\everypar{}}
17839 \else
17840 \if@compatibility
17841 \global\@nobreaktrue
17842 \everypar{\global\@nobreakfalse\everypar{}}
17843 \fi
17844 \fi
17845 \endgroup
17846 \fi}
17847 \fi
17848 \if@cfthaschapter
17849 \renewcommand*{\l@chapter}[2]{
17850 \ifnum \c@tocdepth >\m@ne
17851 \addpenalty{-\@highpenalty}
17852 \vskip \cftbeforechapskip
17853 {\if@RTL\rightrightskip\else\leftskip\fi \cftchapindent\relax
17854 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17855 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17856 \parindent \cftchapindent\relax\@afterindenttrue
17857 \interlinepenalty\@M
17858 \leavevmode
17859 \@tempdima \cftchapnumwidth\relax
17860 \let\@cftbsnum \cftchappresnum
17861 \let\@cftasnum \cftchapaftersnum
17862 \let\@cftasnumb \cftchapaftersnumb
17863 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17864 {\cftchapfont #1}\nobreak
17865 \cftchapfillnum{#2}}
17866 \fi}
17867 \fi
17868 \renewcommand*{\l@section}[2]{%
17869 \ifnum \c@tocdepth >\z@
17870 \if@cfthaschapter
17871 \vskip \cftbeforesecskip
17872 \else
17873 \addpenalty\@secpenalty
17874 \addvspace{\cftbeforesecskip}
17875 \fi
17876 {\if@RTL\rightrightskip\else\leftskip\fi \cftsecindent\relax
17877 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17878 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17879 \parindent \cftsecindent\relax\@afterindenttrue
17880 \interlinepenalty\@M
17881 \leavevmode

```




```

17882 \@tempdima \cftsecnumwidth\relax
17883 \let\@cftbsnum \cftsecpresnum
17884 \let\@cftasnum \cftsecaftersnum
17885 \let\@cftasnumb \cftsecaftersnumb
17886 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17887 {\cftsecfont #1}\nobreak
17888 \cftsecfillnum{#2}}
17889 \fi}
17890 \renewcommand*{\l@section}[2]{%
17891 \ifnum \c@tocdepth >\@ne
17892 \vskip \cftbeforesecskip
17893 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
17894 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17895 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17896 \parindent \cftsubsecindent\relax\@afterindenttrue
17897 \interlinepenalty\@M
17898 \leavevmode
17899 \@tempdima \cftsubsecnumwidth\relax
17900 \let\@cftbsnum \cftsubsecpresnum
17901 \let\@cftasnum \cftsubsecaftersnum
17902 \let\@cftasnumb \cftsubsecaftersnumb
17903 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17904 {\cftsubsecfont #1}\nobreak
17905 \cftsubsecfillnum{#2}}
17906 \fi}
17907 \renewcommand*{\l@subsubsection}[2]{%
17908 \ifnum \c@tocdepth >\tw@
17909 \vskip \cftbeforesubsubsecskip
17910 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
17911 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17912 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17913 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17914 \interlinepenalty\@M
17915 \leavevmode
17916 \@tempdima \cftsubsubsecnumwidth\relax
17917 \let\@cftbsnum \cftsubsubsecpresnum
17918 \let\@cftasnum \cftsubsubsecaftersnum
17919 \let\@cftasnumb \cftsubsubsecaftersnumb
17920 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17921 {\cftsubsubsecfont #1}\nobreak
17922 \cftsubsubsecfillnum{#2}}
17923 \fi}
17924 \renewcommand*{\l@paragraph}[2]{%
17925 \ifnum \c@tocdepth >3\relax
17926 \vskip \cftbeforeparaskip
17927 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
17928 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17929 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17930 \parindent \cftparaindent\relax\@afterindenttrue
17931 \interlinepenalty\@M

```



```

17932 \leavevmode
17933 \@tempdima \cftparynumwidth\relax
17934 \let\@cftbsnum \cftparypresnum
17935 \let\@cftasnum \cftparyaftersnum
17936 \let\@cftasnumb \cftparyaftersnumb
17937 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17938 {\cftparyfont #1}\nobreak
17939 \cftparyfillnum{#2}}
17940 \fi}
17941 \renewcommand*{\l@subparagraph}[2]{%
17942 \ifnum \c@tocdepth >4\relax
17943 \vskip \cftbefore subparagraphskip
17944 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
17945 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17946 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17947 \parindent \cftsubparaindent\relax\@afterindenttrue
17948 \interlinepenalty\@M
17949 \leavevmode
17950 \@tempdima \cftsubparanumwidth\relax
17951 \let\@cftbsnum \cftsubparapresnum
17952 \let\@cftasnum \cftsubparaaftersnum
17953 \let\@cftasnumb \cftsubparaaftersnumb
17954 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17955 {\cftsubparafont #1}\nobreak
17956 \cftsubpara fillnum{#2}}
17957 \fi}
17958 \renewcommand*{\l@figure}[2]{%
17959 \ifnum \c@lofdepth >\z@
17960 \vskip \cftbeforefigskip
17961 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
17962 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17963 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17964 \parindent \cftfigindent\relax\@afterindenttrue
17965 \interlinepenalty\@M
17966 \leavevmode
17967 \@tempdima \cftfignumwidth\relax
17968 \let\@cftbsnum \cftfigpresnum
17969 \let\@cftasnum \cftfigaftersnum
17970 \let\@cftasnumb \cftfigaftersnumb
17971 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17972 {\cftfigfont #1}\nobreak
17973 \cftfig fillnum{#2}}
17974 \fi
17975 }
17976 \renewcommand*{\l@table}[2]{%
17977 \ifnum \c@lotdepth >\z@
17978 \vskip \cftbefore tabskip
17979 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
17980 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17981 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

17982 \parindent \cfttabindent\relax\@afterindenttrue
17983 \interlinepenalty\@M
17984 \leavevmode
17985 \@tempdima \cfttabnumwidth\relax
17986 \let\@cftbsnum \cfttabpresnum
17987 \let\@cftasnum \cfttabaftersnum
17988 \let\@cftasnumb \cfttabaftersnumb
17989 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17990 {\cfttabfont #1}\nobreak
17991 \cfttabfillnum{#2}}
17992 \fi
17993 }
17994 \renewcommand{\@cftl@subfig}{%
17995 \renewcommand*{\l@subfigure}[2]{%
17996 \ifnum \c@lofdepth > \toclevel@subfigure
17997 \vskip \cftbeforesubfigskip
17998 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
17999 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18000 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18001 \parindent \cftsubfigindent\relax\@afterindenttrue
18002 \interlinepenalty\@M
18003 \leavevmode
18004 \@tempdima \cftsubfignumwidth\relax
18005 \let\@cftbsnum \cftsubfigpresnum
18006 \let\@cftasnum \cftsubfigaftersnum
18007 \let\@cftasnumb \cftsubfigaftersnumb
18008 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18009 {\cftsubfigfont ##1}\nobreak
18010 \cftsubfigfillnum{##2}}
18011 \fi
18012 }
18013 }
18014 \renewcommand{\@cftl@subtab}{%
18015 \renewcommand*{\l@subtable}[2]{%
18016 \ifnum \c@lotdepth > \toclevel@subtable
18017 \vskip \cftbeforesubtabskip
18018 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
18019 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18020 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18021 \parindent \cftsubtabindent\relax\@afterindenttrue
18022 \interlinepenalty\@M
18023 \leavevmode
18024 \@tempdima \cftsubtabnumwidth\relax
18025 \let\@cftbsnum \cftsubtabpresnum
18026 \let\@cftasnum \cftsubtabaftersnum
18027 \let\@cftasnumb \cftsubtabaftersnumb
18028 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
18029 {\cftsubtabfont ##1}\nobreak
18030 \cftsubtabfillnum{##2}}
18031 \fi

```



```

18032 }
18033 }
18034 \renewcommand{\newlistentry}[4][\@empty]{%
18035   \@ifundefined{c@#2}{%      check & set the counter
18036     \ifx \@empty#1\relax
18037       \newcounter{#2}
18038     }else
18039       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18040         {#1 has no counter for use as a `within'}
18041         \newcounter{#2}}%
18042       {\newcounter{#2}[#1]%
18043         \expandafter\edef\csname the#2\endcsname{%
18044           \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18045       \fi
18046       \setcounter{#2}{0}
18047   }
18048   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18049
18050   \@namedef{l@#2}##1##2{%
18051     \ifnum \@nameuse{c@#3depth} > #4\relax
18052       \vskip \@nameuse{cftbefore#2skip}
18053       {\if@RTL\rightright\else\leftskip\fi \@nameuse{cft#2indent}\relax
18054         \if@RTL\leftskip\else\rightright\fi \@toctrmarg
18055         \parfillskip -\if@RTL\leftskip\else\rightright\fi
18056         \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18057         \interlinepenalty\@M
18058         \leavevmode
18059         \@tempdima \@nameuse{cft#2numwidth}\relax
18060         \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18061         \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18062         \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18063         \advance\if@RTL\rightright\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightright
18064           {\@nameuse{cft#2font}##1}\nobreak
18065           \@nameuse{cft#2fillnum}{##2}}
18066       \fi
18067   } % end of l@#2
18068
18069   \expandafter\newlength\csname cftbefore#2skip\endcsname
18070   \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18071   \expandafter\newlength\csname cft#2indent\endcsname
18072   \expandafter\newlength\csname cft#2numwidth\endcsname
18073   \ifcase #4\relax % 0
18074     \setlength{\@nameuse{cft#2indent}}{0em}
18075     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18076   \or % 1
18077     \setlength{\@nameuse{cft#2indent}}{1.5em}
18078     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
18079   \or % 2
18080     \setlength{\@nameuse{cft#2indent}}{3.8em}
18081     \setlength{\@nameuse{cft#2numwidth}}{3.2em}

```



```

18082 \or % 3
18083 \setlength{\@nameuse{cft#2indent}}{7.0em}
18084 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
18085 \else % anything else
18086 \setlength{\@nameuse{cft#2indent}}{10.0em}
18087 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
18088 \fi
18089 \@namedef{cft#2font}{\normalfont}
18090 \@namedef{cft#2presnum}{}
18091 \@namedef{cft#2aftersnum}{}
18092 \@namedef{cft#2aftersnumb}{}
18093 \@namedef{cft#2dotsep}{\cftdotsep}
18094 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
18095 \@namedef{cft#2pagefont}{\normalfont}
18096 \@namedef{cft#2afterpnum}{}
18097 \@namedef{toclevel@#2}{#4}
18098 \@namedef{cft#2fillnum}##1{%
18099 {\@nameuse{cft#2leader}}\nobreak
18100 \hbxt@{\pnumwidth{\hfil\@nameuse{cft#2pagefont}}##1}\@nameuse{cft#2afterpnum}\par}
18101 } % end \newlistentry
18102 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
18103 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18104 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
18105 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
18106 \textit{#1}\protect\par}}}

```

7.117 tocbasic-xetex-bidi.def

```

18107 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package for
18108 \bidi@undef\scr@dte@def@l@undottedtocline
18109 \bidi@undef\scr@dte@undottedtocline@init
18110 \DeclareTOCEntryStyle{undottedtocline}[%
18111 \DefineTOCEntryLengthOption{indent}%
18112 {\scr@tso@}{@indent}{entry indent}%
18113 \DefineTOCEntryLengthOption{numwidth}%
18114 {\scr@tso@}{@numwidth}{entry number width}%
18115 \@ifundefined{#1tocdepth}{%
18116 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18117 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18118 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18119 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18120 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18121 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18122 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18123 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18124 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18125 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18126 \csname #1numdepth\endcsname
18127 }%
18128 }%

```



```

18129         }%
18130     }%
18131 }%
18132 }%
18133 }%
18134 }%
18135 }%
18136 }{}%
18137 \@ifundefined{scr@tso@#1@indent}{%
18138     \@ifundefined{scr@#1@tocindent}{%
18139         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18140             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18141                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18142                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18143                         \scr@ifundefinedorrelax{1@chapter}{%
18144                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18145                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18146                                     \ifstr{#1}{subsubsection}{%
18147                                         \@namedef{scr@tso@#1@indent}{3.8em}%
18148                                     }{%
18149                                         \ifstr{#1}{paragraph}{%
18150                                             \@namedef{scr@tso@#1@indent}{7em}%
18151                                         }{%
18152                                             \ifstr{#1}{subparagraph}{%
18153                                                 \@namedef{scr@tso@#1@indent}{10em}%
18154                                             }{%
18155                                                 }%
18156                                             }%
18157                                         }%
18158                                     }%
18159                                 }%
18160                             }{}%
18161                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18162                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18163                                     \ifstr{#1}{subsubsection}{%
18164                                         \@namedef{scr@tso@#1@indent}{7.0em}%
18165                                     }{%
18166                                         \ifstr{#1}{paragraph}{%
18167                                             \@namedef{scr@tso@#1@indent}{10em}%
18168                                         }{%
18169                                             \ifstr{#1}{subparagraph}{%
18170                                                 \@namedef{scr@tso@#1@indent}{12em}%
18171                                             }{%
18172                                                 }%
18173                                             }%
18174                                         }%
18175                                     }%
18176                                 }%
18177                             }%
18178                         }%

```



```

18179         }%
18180     }%
18181     }%
18182 }{%
18183     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18184 }%
18185 }{}%
18186 \@ifundefined{scr@tso@#1@numwidth}{%
18187     \@ifundefined{scr@#1@tocnumwidth}{%
18188         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18189             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18190                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18191                     \scr@ifundefinedorrelax{chapter}{%
18192                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18193                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18194                                 \ifstr{#1}{subsubsection}{%
18195                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
18196                                 }{%
18197                                     \ifstr{#1}{paragraph}{%
18198                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
18199                                     }{%
18200                                         \ifstr{#1}{subparagraph}{%
18201                                             \@namedef{scr@tso@#1@numwidth}{5m}%
18202                                         }{%
18203                                             }%
18204                                         }%
18205                                     }%
18206                                 }%
18207                             }%
18208                         }{}%
18209                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18210                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18211                             \ifstr{#1}{subsubsection}{%
18212                                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
18213                             }{%
18214                                 \ifstr{#1}{paragraph}{%
18215                                     \@namedef{scr@tso@#1@numwidth}{5em}%
18216                                 }{%
18217                                     \ifstr{#1}{subparagraph}{%
18218                                         \@namedef{scr@tso@#1@numwidth}{6em}%
18219                                     }{%
18220                                         }%
18221                                     }%
18222                                 }%
18223                             }%
18224                         }%
18225                     }%
18226                 }%
18227             }%
18228         }%

```



```

18229 }{%
18230 \namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18231 }%
18232 }{}%
18233 }{%
18234 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
18235 \ifnum \@nameuse{#1tocdepth}<\@ne
18236 \scr@ifundefinedorrelax{chapter}{%
18237 \addpenalty\@secpenalty
18238 \addvspace{1.0em \@plus\p@}%
18239 }{%
18240 \addpenalty{-\@highpenalty}%
18241 \vskip 1.0em \@plus\p@
18242 }%
18243 \else
18244 \addpenalty\@secpenalty
18245 \addvspace{1.0em \@plus\p@}%
18246 \fi
18247 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
18248 \begingroup
18249 \parindent \z@ \bidi@rightskip \@pnumwidth
18250 \parfillskip -\@pnumwidth
18251 \leavevmode
18252 \bfseries
18253 \advance\bidi@leftskip\@tempdima
18254 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18255 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
18256 ##1%
18257 \nobreak
18258 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18259 \par
18260 \penalty\@highpenalty
18261 \endgroup
18262 \fi
18263 }
18264
18265 \bidi@undef\scr@dte@def@l@targetocline
18266 \bidi@undef\scr@dte@l@targetocline@init
18267 \DeclareTOCEntryStyle{l@targetocline}[{%
18268 \DefineTOCEntryLengthOption{indent}%
18269 {scr@tso@}{@indent}{entry indent}%
18270 \@ifundefined{#1tocdepth}{%
18271 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18272 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18273 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18274 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18275 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18276 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18277 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
18278 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%

```




```

18279         \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18280         \expandafter\let\csname #1tocdepth\expandafter\endcsname
18281             \csname #1numdepth\endcsname
18282         }%
18283     }%
18284 }%
18285 }%
18286 }%
18287 }%
18288 }%
18289 }%
18290 }%
18291 }{}%
18292 \@ifundefined{scr@tso@#1@indent}{%
18293     \@ifundefined{scr@#1@tocindent}{%
18294         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18295             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18296                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18297                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18298                         \scr@ifundefinedorrelax{1@chapter}{%
18299                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
18300                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18301                                     \ifstr{#1}{subsubsection}{%
18302                                         \@namedef{scr@tso@#1@indent}{3.8em}%
18303                                     }{%
18304                                         \ifstr{#1}{paragraph}{%
18305                                             \@namedef{scr@tso@#1@indent}{7em}%
18306                                         }{%
18307                                             \ifstr{#1}{subparagraph}{%
18308                                                 \@namedef{scr@tso@#1@indent}{10em}%
18309                                             }{%
18310                                                 }%
18311                                             }%
18312                                         }%
18313                                     }%
18314                                 }%
18315                             }{%
18316                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18317                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18318                                         \ifstr{#1}{subsubsection}{%
18319                                             \@namedef{scr@tso@#1@indent}{7.0em}%
18320                                         }{%
18321                                             \ifstr{#1}{paragraph}{%
18322                                                 \@namedef{scr@tso@#1@indent}{10em}%
18323                                             }{%
18324                                                 \ifstr{#1}{subparagraph}{%
18325                                                     \@namedef{scr@tso@#1@indent}{12em}%
18326                                                 }{%
18327                                                     }%
18328                                                 }%

```



```

18329         }%
18330     }%
18331 }%
18332 }%
18333 }%
18334 }%
18335 }%
18336 }%
18337 }{%
18338     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18339 }%
18340 }{%
18341 }}{%
18342     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
18343     \ifnum \@nameuse{#1tocdepth}<\@ne
18344         \scr@ifundefinedorrelax{chapter}{%
18345             \addpenalty\@secpenalty
18346             \addvspace{2.25em \@plus\p@}%
18347         }{%
18348             \addpenalty{-\@highpenalty}%
18349             \addvspace{2.25em \@plus\p@}%
18350         }%
18351     \else
18352         \addpenalty\@secpenalty
18353         \addvspace{2.25em \@plus\p@}%
18354     \fi
18355     \setlength\@tempdima{3em}%
18356     \begingroup
18357         \parindent \z@ \bidi@rightskip \@pnumwidth
18358         \parfillskip -\@pnumwidth
18359         \leavevmode
18360         \large
18361         \bfseries
18362         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
18363         ##1%
18364         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
18365         \par
18366         \nobreak
18367         \ifnum 0=
18368             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
18369             \global\@nobreaktrue
18370             \everypar{\global\@nobreakfalse\everypar{}}%
18371         \fi
18372     \endgroup
18373 \fi
18374 }
18375
18376 \renewcommand*{\scr@dte@tocline}[3]{%
18377     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
18378     \else

```



```

18379 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
18380 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
18381 {%
18382 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
18383 \bidi@rightskip \@tocrmarg
18384 \parfillskip -\bidi@rightskip
18385 \@nameuse{Ifscr@tso@#1@raggedpage}{%
18386 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
18387 }{}%
18388 \parindent \@nameuse{scr@tso@#1@indent}\relax
18389 \@afterindenttrue
18390 \interlinepenalty\@M
18391 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
18392 \addtolength\bidi@rightskip\@flushglue
18393 \else
18394 \def\reserved@a{\raggedright}%
18395 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18396 \addtolength\bidi@rightskip\@flushglue
18397 \else
18398 \renewcommand\reserved@a{\raggedright}%
18399 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
18400 \addtolength\bidi@rightskip\@flushglue
18401 \fi
18402 \fi
18403 \fi
18404 \leavevmode
18405 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
18406 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
18407 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
18408 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
18409 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
18410 \fi
18411 }%
18412 }{}%
18413 \advance\bidi@leftskip \@tempdima
18414 \null\nobreak\hskip -\bidi@leftskip
18415 {%
18416 \usetocbasicnumberline
18417 \let\scr@dte@numberline@box\numberline@box
18418 \def\numberline@box##1{%
18419 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18420 \global\scr@dte@tocline@numberwidth
18421 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
18422 \ifdim \scr@dte@tocline@numberwidth
18423 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
18424 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
18425 \fi
18426 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
18427 \ifdim \scr@dte@tocline@numberwidth
18428 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%

```



```

18429             +\@nameuse{scr@tso@#1@numsep}\relax
18430         \PackageWarning{tocbasic%
18431     }{%
18432         number width of #1 toc entries should be
18433         increased!\MessageBreak
18434         Currently used number width =
18435         \the\wd\scr@dte@tocline@numbox,\MessageBreak
18436         Wanted number separation
18437         \space\space\space =
18438         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
18439         Reserved number width \space\space\space\space\space\space =
18440         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
18441     }%
18442 \fi
18443 }%
18444 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
18445     \@nameuse{Ifscr@tso@#1@breakafternumber}{%
18446     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
18447     }{}}%
18448 }%
18449 \@nameuse{scr@tso@#1@entryformat}{%
18450     #2%
18451     \nobreak
18452     {%
18453         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
18454         \nobreak
18455         \@nameuse{scr@tso@#1@pagenumberbox}{%
18456             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
18457         }%
18458     }%
18459     \@par
18460 }%
18461 }%
18462 }%
18463 \tocbasic@SetPenaltyByTOCLevel{#1}%
18464 \fi
18465 }
18466
18467 \bidi@undef\scr@dte@def@1@tocline
18468 \bidi@undef\scr@dte@tocline@init
18469 \DeclareTOCEntryStyle{tocline}[{%
18470     \DefineTOCEntryLengthOption{beforeskip}%
18471     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
18472     \DefineTOCEntryIfOption{breakafternumber}%
18473     {scr@tso@}{@breakafternumber}{line break after number flag}%
18474     \DefineTOCEntryIfOption{dynnumwidth}%
18475     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
18476     \DefineTOCEntryCommandOption{entryformat}%
18477     {scr@tso@}{@entryformat}[1]{entry format}%
18478     \DefineTOCEntryCommandOption{entrynumberformat}%

```



```

18479 {scr@tso@}{@numberformat}[1]{entry number format}%
18480 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
18481 {scr@tso@}{@linefill}{filling between text and page number}%
18482 \DefineTOCEntryLengthOption{numsep}%
18483 {scr@tso@}{@numsep}{entry number separation}%
18484 \DefineTOCEntryCommandOption{onstarthigherlevel}%
18485 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
18486 \DefineTOCEntryCommandOption{onstartlowerlevel}%
18487 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
18488 \DefineTOCEntryCommandOption{onstartsamelevel}%
18489 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
18490 \DefineTOCEntryCommandOption{pagenumberbox}%
18491 {scr@tso@}{@pagenumberbox}[1]{page number box}%
18492 \DefineTOCEntryCommandOption{pagenumberformat}%
18493 {scr@tso@}{@pagenumberformat}[1]{page number format}%
18494 \DefineTOCEntryOption{raggedentrytext}[true]{%
18495 \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
18496 \ifx\FamilyKeyState\FamilyKeyStateProcessed
18497 \if@tempswa
18498 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18499 \raggedright
18500 \else
18501 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
18502 \relax
18503 \fi
18504 \fi
18505 }%
18506 \DefineTOCEntryIfOption{raggedpagenumber}%
18507 {scr@tso@}{@raggedpage}{page number ragged flag}%
18508 \DefineTOCEntryLengthOption{indent}%
18509 {scr@tso@}{@indent}{entry indent}%
18510 \DefineTOCEntryLengthOption{numwidth}%
18511 {scr@tso@}{@numwidth}{entry number width}%
18512 \scr@ifundefinedorrelax{#1tocdepth}{%
18513 \ifstrstart{#1}{sub}{%
18514 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
18515 \expandafter\edef\csname #1tocdepth\endcsname{%
18516 \the\numexpr\noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
18517 }%
18518 }%
18519 }{}%
18520 }{}%
18521 \@ifundefined{#1tocdepth}{%
18522 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
18523 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
18524 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
18525 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
18526 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
18527 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
18528 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%

```



```

18529         \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
18530             \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
18531                 \expandafter\let\csname #1tocdepth\expandafter\endcsname
18532                     \csname #1numdepth\endcsname
18533             }%
18534         }%
18535     }%
18536 }%
18537 }%
18538 }%
18539 }%
18540 }%
18541 }%
18542 }{}%
18543 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
18544     \@ifundefined{scr@#1@tocindent}{%
18545         \ifstrstart{#1}{sub}{%
18546             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
18547                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%}{%
18548                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18549                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18550                         \relax
18551                     }%
18552                 }%
18553             }{%
18554                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
18555                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18556                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18557                         \relax
18558                     }%
18559                 }{%
18560                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
18561                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
18562                         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
18563                         \relax
18564                     }%
18565                 }%
18566             }%
18567         }{}%
18568     }{%
18569         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
18570     }%
18571 }{}%
18572 \@ifundefined{scr@tso@#1@indent}{%
18573     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18574         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18575             \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
18576                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
18577                     \scr@ifundefinedorrelax{l@chapter}{%
18578                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%

```



```

18579 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18580 \ifstr{#1}{subsubsection}{%
18581 \@namedef{scr@tso@#1@indent}{3.8em}%
18582 }{%
18583 \ifstr{#1}{paragraph}{%
18584 \@namedef{scr@tso@#1@indent}{7em}%
18585 }{%
18586 \ifstr{#1}{subparagraph}{%
18587 \@namedef{scr@tso@#1@indent}{10em}%
18588 }{%
18589 }%
18590 }%
18591 }%
18592 }%
18593 }%
18594 }{%
18595 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
18596 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
18597 \ifstr{#1}{subsubsection}{%
18598 \@namedef{scr@tso@#1@indent}{7.0em}%
18599 }{%
18600 \ifstr{#1}{paragraph}{%
18601 \@namedef{scr@tso@#1@indent}{10em}%
18602 }{%
18603 \ifstr{#1}{subparagraph}{%
18604 \@namedef{scr@tso@#1@indent}{12em}%
18605 }{%
18606 }%
18607 }%
18608 }%
18609 }%
18610 }%
18611 }%
18612 }%
18613 }%
18614 }%
18615 }%
18616 }{}%
18617 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
18618 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
18619 \ifstrstart{#1}{sub}{%
18620 \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{}%
18621 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
18622 \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
18623 +.9em%
18624 \relax
18625 }%
18626 }%
18627 }{}%
18628 }{%

```



```

18629 \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
18630 }%
18631 }{}%
18632 \@ifundefined{scr@tso@#1@numwidth}{%
18633 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18634 \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18635 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18636 \scr@ifundefinedorrelax{chapter}{%
18637 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
18638 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18639 \ifstr{#1}{subsubsection}{%
18640 \@namedef{scr@tso@#1@numwidth}{3.2em}%
18641 }{%
18642 \ifstr{#1}{paragraph}{%
18643 \@namedef{scr@tso@#1@numwidth}{4.1em}%
18644 }{%
18645 \ifstr{#1}{subparagraph}{%
18646 \@namedef{scr@tso@#1@numwidth}{5em}%
18647 }{%
18648 }%
18649 }%
18650 }%
18651 }%
18652 }%
18653 }{}%
18654 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
18655 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
18656 \ifstr{#1}{subsubsection}{%
18657 \@namedef{scr@tso@#1@numwidth}{3.1em}%
18658 }{%
18659 \ifstr{#1}{paragraph}{%
18660 \@namedef{scr@tso@#1@numwidth}{5em}%
18661 }{%
18662 \ifstr{#1}{subparagraph}{%
18663 \@namedef{scr@tso@#1@numwidth}{6em}%
18664 }{%
18665 }%
18666 }%
18667 }%
18668 }%
18669 }%
18670 }%
18671 }%
18672 }%
18673 }%
18674 }{}%
18675 \expandafter\renewcommand%
18676 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
18677 \expandafter\renewcommand%
18678 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%

```




```

18679 \expandafter\renewcommand%
18680 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
18681 \@ifundefined{scr@tso@#1@beforeskip}{%
18682   \ifstr{#1}{part}{%
18683     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@ \relax}%
18684   }{%
18685     \ifstr{#1}{chapter}{%
18686       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
18687     }{%
18688       \ifstr{#1}{section}{%
18689         \scr@ifundefinedorrelax{1@chapter}{%
18690           \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@ \relax}%
18691         }{}%
18692       }{}%
18693     }%
18694   }%
18695   \expandafter\renewcommand\expandafter*%
18696   \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@ \relax}%
18697 }{}%
18698 \@ifundefined{scr@dte@#1@maxnumwidth}{%
18699   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
18700   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
18701 }{}%
18702 \renewcommand*{\scr@dte@donumwidth}{}%
18703 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
18704 \expandafter\renewcommand\expandafter*%
18705 \csname scr@tso@#1@numsep\endcsname{.4em}%
18706 \expandafter\renewcommand%
18707 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
18708 \ifstr{#1}{part}{%
18709   \expandafter\renewcommand%
18710   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
18711 }{%
18712   \ifstr{#1}{chapter}{%
18713     \expandafter\renewcommand%
18714     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18715   }{%
18716     \scr@ifundefinedorrelax{1@chapter}{%
18717       \ifstr{#1}{section}{%
18718         \expandafter\renewcommand%
18719         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
18720       }{}%
18721     }{}%
18722     \expandafter\renewcommand%
18723     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
18724   }%
18725 }%
18726 \expandafter\renewcommand
18727 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
18728 \@ifundefined{scr@tso@#1@linefill}{%

```



```

18729 \ifstr{#1}{part}{%
18730 \namedef{scr@tso@#1@linefill}{\hfill}%
18731 }{%
18732 \ifstr{#1}{chapter}{%
18733 \namedef{scr@tso@#1@linefill}{\hfill}%
18734 }{%
18735 \scr@ifundefinedorrelax{1@chapter}{%
18736 \ifstr{#1}{section}{%
18737 \namedef{scr@tso@#1@linefill}{\hfill}%
18738 }{}
18739 }{}
18740 \expandafter\renewcommand%
18741 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18742 }%
18743 }%
18744 }{}%
18745 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
18746 \ifstr{#1}{part}{%
18747 \expandafter\renewcommand%
18748 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
18749 }{%
18750 \expandafter\renewcommand%
18751 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18752 {\normalfont\normalcolor ##1}}%
18753 }%
18754 \expandafter\renewcommand%
18755 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
18756 \hb@xt@{\@pnumwidth}{\hfil ##1}}%
18757 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
18758 }{}%
18759 \scr@dte@tocline{#1}{##1}{##2}%
18760 }
18761

```

7.118 tocstyle-xetex-bidi.def

```

18762 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
18763 \renewcommand*{\tocstyle@dottedtocline}[5]{%
18764 \let\numberline\tocstyle@numberline
18765 \ifnum #1>\c@tocdepth \else
18766 \if@tocstyle@penalties
18767 \begingroup
18768 \@tempcnta 20010
18769 \advance \@tempcnta by -#1
18770 \ifnum \@tempcnta>\lastpenalty
18771 \aftergroup\penalty\aftergroup\@lowpenalty
18772 \fi
18773 \endgroup
18774 \fi
18775 \edef\tocstyledepth{#1}%

```



```

18776 \tocstyle@activate@features
18777 \ifx\tocstyle@feature@entryvskip\relax
18778 \vskip \z@ \@plus.2\p@
18779 \else
18780 \addvspace{\tocstyle@feature@entryvskip}%
18781 \fi
18782 {%
18783 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
18784 \tocstyle@feature@raggedhook
18785 \@tempdima #3\relax
18786 \@tempdimb #2\relax
18787 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18788 \ifnum #1>\z@\relax
18789 \@tempcnta #1\relax \advance\@tempcnta \m@ne
18790 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18791 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18792 \tempdimb
18793 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18794 \advance\@tempdimb
18795 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
18796 \fi
18797 \fi
18798 \fi
18799 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18800 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
18801 \ifdim \@tempdimb>
18802 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
18803 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18804 @#1\endcsname{\the\@tempdimb}%
18805 \fi
18806 \else
18807 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
18808 @#1\endcsname{\the\@tempdimb}%
18809 \fi
18810 \iftocstyle@autolength
18811 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18812 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
18813 \relax
18814 \fi
18815 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18816 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
18817 \relax
18818 \fi
18819 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18820 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18821 \else
18822 \@tempdimb #2\relax
18823 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18824 \fi
18825 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname

```



```

18826     \ifdim \@tempdima>
18827     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
18828     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18829     @\endcsname{\the\@tempdima}%
18830     \fi
18831   \else
18832     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
18833     @\endcsname{\the\@tempdima}%
18834   \fi
18835   \ifcase\tocstyle@indentstyle\relax\else
18836     \@tempdimb \z@
18837     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18838     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18839     \relax
18840     \fi
18841     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18842     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18843   \fi
18844   \advance\parindent \@tempdimb\@afterindenttrue
18845   \advance\if@RTL\rightskip\else\leftskip\fi \parindent
18846   \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
18847   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18848   \ifx\tocstyle@feature@parfillskip\relax\else
18849     \advance\parfillskip \tocstyle@feature@parfillskip\relax
18850   \fi
18851   \interlinepenalty\@M
18852   \leavevmode
18853   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
18854   \null\nobreak
18855   \iftocstyle@indentnotnumbered\else
18856     \hskip -\if@RTL\rightskip\else\leftskip\fi
18857   \fi
18858   \tocstyle@feature@entryhook
18859   {#4}\nobreak
18860   \ifx\tocstyle@feature@leaders\relax
18861     \leaders\hbox{$\m@th
18862       \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
18863       \mkern \@dotsep mu$}\hfill
18864   \else
18865     \tocstyle@feature@leaders
18866   \fi
18867   \nobreak
18868   \ifx\tocstyle@feature@pagenumberbox\relax
18869     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
18870   \else
18871     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
18872   \fi
18873   \par
18874 }%
18875 \if@tocstyle@penalties

```



```

18876     \bgroup
18877     \@tempcnta 20009
18878     \advance\@tempcnta by -#1
18879     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
18880     \reserved@a
18881     \fi
18882   \fi}
18883 \renewcommand*{\tocstyle@numberline}[1]{%
18884   \begingroup
18885     \ifx\tocstyle@feature@spaceafternumber\relax
18886       \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
18887     \else
18888       \settowidth\@tempdima{\tocstyle@numberline{#1}}%
18889       \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
18890     \fi
18891     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
18892       \ifdim \@tempdima >
18893         \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
18894         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18895           @\tocstyledepth\endcsname{\the\@tempdima}%
18896       \fi
18897     \else
18898       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
18899         @\tocstyledepth\endcsname{\the\@tempdima}%
18900     \fi
18901   \endgroup
18902   \iftocstyle@indentnotnumbered
18903     \hskip -\if@RTL\rightskip\else\leftskip\fi
18904   \fi
18905   \ifcase \tocstyle@indentstyle
18906     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
18907   \or
18908     \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
18909   \else
18910     \ifx\tocstyle@feature@spaceafternumber\relax
18911       \hbox{\tocstyle@numberline{#1}\enskip}%
18912     \else
18913       \hbox{\tocstyle@numberline{#1}\hskip
18914         \tocstyle@feature@spaceafternumber\relax}%
18915     \fi
18916   \fi
18917 }
18918 \AtBeginDocument{%
18919   \ifcsname l@part\endcsname
18920     \ifcsname l@chapter\endcsname
18921       \setbox\@tempboxa\vbox{\hsize\maxdimen
18922         \l@part{\tocstyle@l@define{part}{-1}}}%
18923     \else
18924       \setbox\@tempboxa\vbox{\hsize\maxdimen
18925         \l@part{\tocstyle@l@define{part}{0}}}%

```



```

18926 \fi
18927 \fi
18928 \ifcsname l@chapter\endcsname
18929 \setbox\@tempboxa\vbox{\hsize\maxdimen
18930 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
18931 \fi
18932 \ifcsname l@section\endcsname
18933 \setbox\@tempboxa\vbox{\hsize\maxdimen
18934 \l@section{\tocstyle@l@define{section}{1}}{}}%
18935 \fi
18936 \ifcsname l@subsection\endcsname
18937 \setbox\@tempboxa\vbox{\hsize\maxdimen
18938 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
18939 \fi
18940 \ifcsname l@subsubsection\endcsname
18941 \setbox\@tempboxa\vbox{\hsize\maxdimen
18942 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
18943 \fi
18944 \ifcsname l@paragraph\endcsname
18945 \setbox\@tempboxa\vbox{\hsize\maxdimen
18946 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
18947 \fi
18948 \ifcsname l@subparagraph\endcsname
18949 \setbox\@tempboxa\vbox{\hsize\maxdimen
18950 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
18951 \fi
18952 \ifcsname l@table\endcsname
18953 \setbox\@tempboxa\vbox{\hsize\maxdimen
18954 \l@table{\tocstyle@l@define{table}{1}}{}}%
18955 \fi
18956 \ifcsname l@figure\endcsname
18957 \setbox\@tempboxa\vbox{\hsize\maxdimen
18958 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
18959 \fi
18960 \def\@tempa#1#2#3#4#5{%
18961 \ifnum #1>\c@tocdepth \else
18962 \vskip \z@ \@plus.2\p@
18963 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg
18964 \parindent #2\relax\@afterindenttrue
18965 \interlinepenalty\@M
18966 \leavevmode
18967 \@tempdima #3\relax
18968 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righsk
18969 {#4}\nobreak
18970 \leaders\hbox{$\m@th
18971 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18972 mu$}\hfill
18973 \nobreak
18974 \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
18975 \par}%

```



```

18976 \fi}%
18977 \ifx\@dottedtocline\@tempa\else
18978 \tocstyle@macrochangewarning\@dottedtocline
18979 \fi
18980 \let\tocstyle@saved@dottedtocline\@dottedtocline
18981 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
18982 \ifx\numberline\@tempa\else
18983 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
18984 \ifx\numberline\@tempa\else
18985 \tocstyle@macrochangewarning\numberline
18986 \fi
18987 \fi
18988 \let\tocstyle@saved@numberline\numberline
18989 }
18990 \renewcommand*{\tocstyle@l@define}[2]{%
18991 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
18992 \edef\@tempa{%
18993 \noexpand\global\noexpand\let
18994 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
18995 \expandafter\noexpand\csname l@#1\endcsname
18996 \noexpand\gdef
18997 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
18998 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
18999 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@{
19000 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19001 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19002 }%
19003 }%
19004 \PackageInfo{tocstyle}{prepare \expandafter\string
19005 \csname l@#1\endcsname\space for redefinition}%
19006 \@tempa
19007 }

```

7.119 todonotes-xetex-bidi.def

```

19008 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19009 \newif\if@bidi@todonotes@textdirection@RTL
19010 \newif\if@bidi@todonotes@figposition@right
19011 \newcommand{\@bidi@todonotes@align}{}%
19012 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19013 \newcommand{\@bidi@todonotes@textdirection}{}%
19014 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19015 \ifcase\@bidi@todonotes@tempb\relax
19016 \@bidi@todonotes@textdirection@RTLtrue
19017 \let\@bidi@todonotes@textdirection\RLE
19018 \or
19019 \@bidi@todonotes@textdirection@RTLfalse
19020 \let\@bidi@todonotes@textdirection\LRE
19021 \fi}
19022 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,

```



```

19023 \ifcase\@bidi@todonotes@tempb\relax
19024 \@bidi@todonotes@figposition@righttrue
19025 \or
19026 \@bidi@todonotes@figposition@rightfalse
19027 \fi}
19028 \if@todonotes@disabled%
19029 \else % \if@todonotes@disabled
19030 \renewcommand{\@todonotes@drawInlineNote}{%
19031 \if@todonotes@dviStyle%
19032 {\par\noindent\begin{tikzpicture}[remember picture]%
19033 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19034 \if@todonotes@authorgiven%
19035 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19036 \else%
19037 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19038 \fi
19039 {\par\noindent\begin{tikzpicture}[remember picture]%
19040 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
19041 \else%
19042 {\par\noindent\begin{tikzpicture}[remember picture]%
19043 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19044 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
19045 \if@todonotes@authorgiven%
19046 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19047 \else%
19048 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19049 \fi};%
19050 \end{tikzpicture}\par}%
19051 \fi}%
19052 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19053 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19054 \node [coordinate] (inText) {};%
19055 \end{tikzpicture}%
19056 \marginpar[% Draw note in left margin
19057 \@todonotes@drawMarginNote%
19058 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19059 }]{% Draw note in right margin
19060 \@todonotes@drawMarginNote%
19061 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19062 }%
19063 }%
19064 \renewcommand{\@todonotes@drawMarginNote}{%
19065 \if@todonotes@dviStyle%
19066 \begin{tikzpicture}[remember picture]%
19067 \draw node[notestyle] {};%
19068 \end{tikzpicture}\\%
19069 \begin{minipage}{\@todonotes@textwidth}%
19070 \if@todonotes@authorgiven%
19071 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19072 \else%

```




```

19073 \@todonotes@sizecommand \@todonotes@text%
19074 \fi%
19075 \end{minipage}\%
19076 \begin{tikzpicture}[remember picture]%
19077 \draw node[notestyle] (inNote) {};%
19078 \end{tikzpicture}%
19079 \else%
19080 \let\originalHbadness\hbadness%
19081 \hbadness 100000%
19082 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
19083 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
19084 \node(X){\vphantom{X}};%
19085 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
19086 \if@todonotes@authorgiven%
19087 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
19088 \node(Y)[below=of X]{};%
19089 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
19090 \else%
19091 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
19092 \else%
19093 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
19094 \fi%
19095 \end{tikzpicture}%
19096 \hbadness \originalHbadness%
19097 \fi}%
19098 \renewcommand{\missingfigure}[2] [] {%
19099 \setkeys{todonotes}{#1}%
19100 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
19101 \par
19102 \noindent
19103 \begin{tikzpicture}
19104 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
19105 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
19106 \if@bidi@todonotes@figposition@right%
19107 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
19108 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
19109 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
19110 \if@bidi@todonotes@figposition@right%
19111 \end{scope}
19112 \begin{scope}[xshift=-3.8cm]
19113 \draw (2, -0.3) node[right, text
19114 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
19115 \if@bidi@todonotes@figposition@right%
19116 \end{scope}
19117 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]

```



```

19123 \fi%
19124 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19125 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
19126 \if@bidi@todonotes@figposition@right%
19127 \end{scope}
19128 \fi%
19129 \end{tikzpicture}}\hfill
19130 }% Ending \missingfigure command
19131 \fi % Ending \@todonotes@ifdisabled
19132 \presetkeys%
19133     {todonotes}%
19134     {align=left,%
19135     textdirection=lefttoright,%
19136     figposition=left}{}%

```

7.120 wrapfig-xetex-bidi.def

```

19137 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
19138 \let\WF@everypar\bidi@n@everypar
19139 \def\WF@putfigmaybe{%
19140 \ifinner
19141 \vskip-\parskip \global\WF@floatfalse
19142 \let\pagetotal\maxdimen % kludge flag for "not top of page"
19143 \else % outer page
19144 \@tempdima\pagedepth % save page depth
19145 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up t
19146 \penalty\interlinepenalty % update pg. parameters
19147 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
19148 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
19149 \global\WF@floatfalse
19150 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
19151 \else
19152 \ifdim\WF@size>\@tempdimb
19153 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
19154 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
19155 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
19156 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
19157 \advance\dimen@.5\baselineskip
19158 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
19159 \global\WF@floatfalse \pagebreak
19160 \fi
19161 \else % \WF@info{Fits in \the\@tempdimb;}%
19162 \global\WF@floatfalse
19163 \fi\fi
19164 \vskip\@tempdima\relax % (return erased page depth)
19165 \fi
19166 \noindent
19167 \ifWF@float
19168 \WF@fltmes
19169 \else % putting here;

```



```

19170 \WF@info{Put \WF@wfname here:}%
19171 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
19172 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
19173 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
19174 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
19175 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
19176 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
19177 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
19178 \xdef\WF@adjlw{\the\@tempdima}%
19179 \ifnum `l=\WF@place % fig on left
19180 \ifRTL%
19181 \kern\@tempdimb \kern\columnsep
19182 \def\@tempa{\hss}% position to left of the gap
19183 \else%
19184 \hss % figure overlaps space to the left
19185 \def\@tempa{\kern\columnsep}% position to left of the gap
19186 \fi%
19187 \else % fig on right
19188 \ifRTL%
19189 \hss
19190 \@tempdima\z@
19191 \def\@tempa{\kern\columnsep}
19192 \else%
19193 \@tempdima\z@ % no left indentation
19194 \kern\@tempdimb \kern\columnsep
19195 \def\@tempa{\hss}% figure overlaps space to the right
19196 \fi%
19197 \fi
19198 \ifdim\@tempdimb<\hsize
19199 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
19200 \xdef\WF@adjtlm{\the\@tempdima}%
19201 \else
19202 \xdef\WF@wrapil{\z@ \the\hsize}%
19203 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
19204 \fi
19205 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
19206 \global\advance\WF@size-\intextsep
19207 \else % \WF@info{Putting \WF@wfname in middle of page}%
19208 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
19209 \fi \dp\WF@box\z@ \box\WF@box \@tempa
19210 }% end \hbox to 0pt
19211 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
19212 \fi}

```

7.121 xcolor-xetex-bidi.def

```

19213 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
19214 \long\def\color@b@x#1#2#3%
19215 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
19216 \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%

```



```

19217 \dimen@ht\z@advance\dimen@fboxsep\ht\z@dimen@
19218 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
19219 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
19220 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
19221 \DeclareRobustCommand\color
19222 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
19223 \def\@undeclaredcolor[#1]#2%
19224 {\begingroup
19225 \let\@cls\@empty
19226 \XC@getmodclr12{#1}{#2}{}%
19227 {\ifblendcolors
19228 \ifx\colorblend\@empty\else
19229 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
19230 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
19231 \fi
19232 \fi
19233 \ifconvertcolorsU
19234 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19235 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19236 \fi
19237 \ifmaskcolors
19238 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19239 \let\@mod\XC@mmod
19240 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19241 \expandafter\XC@mul\@tmp,\@clr
19242 \fi
19243 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
19244 \expandafter\endgroup\@tmp}}
19245 \def\@declaredcolor#1%
19246 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19247 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19248 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19249 \ifconvertcolorsU\XC@tsttrue\fi
19250 \fi
19251 \ifXC@tst
19252 \expandafter\XC@declaredcolor\else
19253 \expandafter\XC@declaredc@lor\fi}
19254 \def\XC@undeclaredcolor#1#2%
19255 {\@ifundefinedmodel{#1}%
19256 {\c@lor@error{model `#1'}}%
19257 {\@nameuse{color@#1}\current@color{#2}%
19258 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
19259 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19260 \def\XC@declaredc@lor
19261 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
19262 \edef\current@color{\XC@current@color}%
19263 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
19264 \DeclareRobustCommand\bidicolor
19265 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
19266 \def\@bidiundeclaredcolor[#1]#2%

```



```

19267 {\begingroup
19268 \let\@cls\@empty
19269 \XC@getmodclr12{#1}{#2}{}%
19270 {\ifblendcolors
19271 \ifx\colorblend\@empty\else
19272 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
19273 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
19274 \fi
19275 \fi
19276 \ifconvertcolorsU
19277 \edef\@tmp{\XC@tgt@mod{\@mod}}%
19278 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
19279 \fi
19280 \ifmaskcolors
19281 \convertcolorspec\@mod\@clr\XC@mmod\@clr
19282 \let\@mod\XC@mmod
19283 \XC@inflate\@mod\XC@mclr\@clr\@tmp
19284 \expandafter\XC@mul\@tmp,\@clr
19285 \fi
19286 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
19287 \expandafter\endgroup\@tmp}%
19288 \def\XC@bidiundeclaredcolor#1#2%
19289 {\@ifundefinedmodel{#1}%
19290 {\c@lor@error{model `#1'}}%
19291 {\@nameuse{color@#1}\current@color{#2}}%
19292 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
19293 \XC@display}}
19294 \def\@bidideclaredcolor#1%
19295 {\XC@edef\XC@tmp{#1}\XC@tstfalse
19296 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
19297 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
19298 \ifconvertcolorsU\XC@tsttrue\fi
19299 \fi
19300 \if\XC@tst
19301 \expandafter\XC@bidideclaredcolor\else
19302 \expandafter\XC@bidideclaredcolor\fi}
19303 \def\XC@bidideclaredcolor
19304 {\XC@split\XC@tmp
19305 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
19306 \expandafter\endgroup\@tmp}
19307 \def\XC@bidideclaredcolor
19308 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
19309 \edef\current@color{\XC@current@color}%
19310 \XC@display}
19311 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
19312 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
19313 \def\color@fb@x#1#2#3#4%
19314 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
19315 {\@ifempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
19316 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode}

```



7.122 latex-xetex-bidi.def

```

19317 \ProvidesFile{latex-xetex-bidi.def}[2016/09/11 v1.2.8 bidi adaptations for 'latex.ltx' for XeTeX]
19318 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
19319 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
19320 \TeXXeTOn
19321 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
19322 \let\bidi@o@everypar=\everypar
19323 \newtoks\bidi@n@everypar
19324 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
19325 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
19326 \let\everypar=\bidi@n@everypar
19327 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
19328 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
19329 \protected\def\hboxR{\hbox\bgroup
19330 \everyhbox{%
19331 \aftergroup\egroup
19332 \everyhbox{}}%
19333 \beginR
19334 \bgroup
19335 \aftergroup\endR
19336 \aftergroup\egroup
19337 }\hbox}
19338 \protected\def\hboxL{\hbox\bgroup
19339 \everyhbox{%
19340 \aftergroup\egroup
19341 \everyhbox{}}%
19342 \beginL
19343 \bgroup
19344 \aftergroup\endL
19345 \aftergroup\egroup
19346 }\hbox}
19347 \protected\def\vboxR{\vbox\bgroup
19348 \everyvbox{%
19349 \aftergroup\egroup
19350 \everyvbox{}}%
19351 \@RTLtrue
19352 \bgroup
19353 \aftergroup\egroup
19354 }\vbox}
19355 \protected\def\vboxL{\vbox\bgroup
19356 \everyvbox{%
19357 \aftergroup\egroup
19358 \everyvbox{}}%
19359 \@RTLfalse
19360 \bgroup
19361 \aftergroup\egroup
19362 }\vbox}
19363 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
19364 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}

```



```

19365 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
19366 \def\endLTR{\par}
19367 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
19368 \def\endRTL{\par}
19369 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
19370 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
19371 \let\unsetRTL=\setLTR
19372 \let\unsetLTR=\setRTL
19373 \let\LR=\LRE
19374 \let\RL=\RLE
19375 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}
19376 \def\@ensureLTR#1{\if@RTL\LRE{#1}\else#1\fi}
19377 \let\@ensureRL=\@ensureRTL
19378 \let\@ensureLR=\@ensureLTR
19379 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
19380 \let\@ensure@maindir=\@ensure@dir
19381 \def\@RTL{RTL}
19382 \def\@LTR{LTR}
19383 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
19384 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
19385 \let\@TeX\TeX
19386 \def\TeX{\@ensure@LTR{\@TeX}}
19387 \let\@LaTeX\LaTeX
19388 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
19389 \let\@LaTeXe\LaTeXe
19390 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
19391 \long\def\bidireflect@box#1{%
19392   \leavevmode
19393   \setbox\z@\hbox{#1}%
19394   \setbox\tw\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
19395   \hb@xt@\wd\z@{\kern\wd\z@\box\tw\hss}%
19396 }
19397 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19398   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
19399 \bidi@newrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
19400   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
19401 \let\setRL=\setRTL
19402 \let\setLR=\setLTR
19403 \let\unsetRL=\setLTR
19404 \def\biditabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
19405 \ifpackageloaded{array}{%
19406 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19407   \leavevmode
19408   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
19409   \let\dollarend\endgroup
19410   \@tabarray}
19411 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
19412 }{%
19413 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
19414   \leavevmode \hbox \bgroup

```



```

19415 $\left.\let\@acol\@tabacol
19416 \let\@classz\@tabclassz
19417 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19418
19419 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
19420 \egroup\right\rbrace $\egroup
19421 \@RTLtabfalse}
19422 }
19423 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
19424 \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,\right\}}
19425 \renewenvironment{RTLcases}{%
19426 \bidi@matrix@check\RTLcases\env@RTLcases
19427 }{%
19428 \endbidi@tabular@RTLcases%
19429 }
19430 \def\env@RTLcases{%
19431 \let\@ifnextchar\bidi@new@ifnextchar
19432 \def\arraystretch{1.2}%
19433 \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
19434 }
19435 \def\SepMark#1{\gdef\@SepMark{#1}}
19436 \SepMark{.}
19437 \def\@thmcountersep{\@SepMark}
19438 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
19439 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
19440 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
19441 \def\list#1#2{%
19442 \ifnum \@listdepth >5\relax
19443 \toodeep
19444 \else
19445 \global\advance\@listdepth\@ne
19446 \fi
19447 \rightmargin\z@
19448 \listparindent\z@
19449 \itemindent\z@
19450 \csname @list\romannumeral\the\@listdepth\endcsname
19451 \def\@itemlabel{#1}%
19452 \let\makelabel\@mklab
19453 \@nmbrrlistfalse
19454 #2\relax
19455 \@trivlist
19456 \parskip\parsep
19457 \parindent\listparindent
19458 \advance\linewidth -\rightmargin
19459 \advance\linewidth -\leftmargin
19460 \if@bidi@list@minipage@parbox
19461 \if@RTL
19462 \advance\@totalleftmargin \leftmargin
19463 \else
19464 \advance\@totalleftmargin \rightmargin

```




```

19465 \fi
19466 \else
19467 \if@RTLtab
19468 \if@bidi@list@minipage@parbox@not@nob
19469 \if@RTL
19470 \advance\@totalleftmargin \rightmargin
19471 \else
19472 \advance\@totalleftmargin \leftmargin
19473 \fi
19474 \else
19475 \if@RTL
19476 \advance\@totalleftmargin \leftmargin
19477 \else
19478 \advance\@totalleftmargin \rightmargin
19479 \fi\fi
19480 \else
19481 \if@RTL
19482 \advance\@totalleftmargin \rightmargin
19483 \else
19484 \advance\@totalleftmargin \leftmargin
19485 \fi\fi\fi
19486 \parshape \@ne \@totalleftmargin \linewidth
19487 \ignorespaces}
19488 \long\def\@iiiiparbox#1#2[#3]#4#5{%
19489 \leavevmode
19490 \@pboxswfalse
19491 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
19492 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
19493 \setlength\@tempdima{#4}%
19494 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
19495 \ifx\relax#2\else
19496 \setlength\@tempdimb{#2}%
19497 \edef\@parboxto{\to\the\@tempdimb}%
19498 \fi
19499 \if#1b\vbox
19500 \else\if #1t\vtop
19501 \else\ifmode\vcenter
19502 \else\@pboxswtrue $\vcenter
19503 \fi\fi\fi
19504 \@parboxto{\let\hss\vss\let\unhbox\unvbox
19505 \csname bm@#3\endcsname}%
19506 \if@pboxsw \m@th$\fi
19507 \@end@tempboxa}
19508 \def\@bidi@lrbox#1{%
19509 \edef\reserved@a{%
19510 \endgroup
19511 \setbox#1\hbox{%
19512 \begingroup\aftergroup}%
19513 \def\noexpand\@currentvir{\@currentvir}%
19514 \def\noexpand\@currentvline{\on@line}}%

```



```

19515 \reserved@a
19516 \endpefalse
19517 \color@begingroup
19518 \ignorespaces}
19519 \def\endbidi@lrbox{\unskip\color@endgroup}
19520 \newenvironment{LTRitems}
19521 {\par\@RTLfalse
19522 \if@bidi@list@minipage@parbox
19523 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19524 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19525 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19526 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19527 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19528 \ignorespaces}{\vskip\z@}
19529 \newenvironment{RTLitems}
19530 {\par\@RTLtrue
19531 \if@bidi@list@minipage@parbox
19532 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19533 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19534 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19535 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19536 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19537 \ignorespaces}{\vskip\z@}
19538 \newenvironment{LTRbibitems}
19539 {\par\@RTLfalse
19540 \if@bidi@list@minipage@parbox
19541 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
19542 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19543 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
19544 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
19545 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
19546 \ignorespaces}{\vskip\z@}
19547 \newenvironment{RTLbibitems}
19548 {\par\@RTLtrue
19549 \if@bidi@list@minipage@parbox
19550 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
19551 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
19552 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
19553 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
19554 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
19555 \ignorespaces}{\vskip\z@}
19556 \def\raggedright{%
19557 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
19558 \leftskip\z@skip
19559 \parindent\z@\parfillskip\z@skip}
19560 \let\bidi@orig@raggedleft\raggedleft
19561 \let\bidi@orig@raggedright\raggedright
19562 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
19563 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
19564 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}

```



```

19565 \newcommand{\bidi@raggedleft}{\ifRTL\raggedright\else\raggedleft\fi}
19566 \def\centerline#1{%
19567 \ifRTL\@line{\hss\beginR#1\endR\hss}
19568 \else\@line{\hss#1\hss}\fi}
19569 \def\leftline#1{%
19570 \ifRTL\@line{\beginR#1\endR\hss}
19571 \else\@line{#1\hss}\fi}
19572 \def\rightline#1{%
19573 \ifRTL\@line{\hss\beginR#1\endR}
19574 \else\@line{\hss#1}\fi}
19575 \let\bidi@orig@leftline\leftline
19576 \let\bidi@orig@rightline\rightline
19577 \def\leftline#1{\ifhmode\ifRTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\if
19578 \def\rightline#1{\ifhmode\ifRTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
19579 \def\bidirlap#1{\hbext@z@\ifRTL\hss\fi#1\ifRTL\else\hss\fi}}
19580 \def\bidillap#1{\hbext@z@\ifRTL\else\hss\fi#1\ifRTL\hss\fi}}
19581 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
19582 \hangindent \ifRTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
19583 \def\narrower{%
19584 \advance\ifRTL\righskip\else\leftskip\fi\parindent
19585 \advance\ifRTL\leftskip\else\righskip\fi\parindent}
19586 \def\underline#1{%
19587 \relax
19588 \ifmmode\@underline{#1}%
19589 \else
19590 \ifRTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
19591 \else
19592 $\@underline{\hbox{#1}}\m@th$\relax\fi\fi}
19593 \ifcompatibility
19594 \let\undertext=\underline
19595 \fi
19596 \global\@RTLtabfalse
19597 \def\@tabular{\ifRTL\@RTLtabtrue\fi
19598 \leavevmode \hbox \bgroup \ifRTLtab\beginR \fi
19599 $\let\@acol\@tabacol
19600 \let\@classz\@tabclassz
19601 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
19602 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
19603 \egroup $\ifRTLtab\endR\fi\egroup
19604 \@RTLtabfalse}
19605 \expandafter \let \csname endtabular*\endcsname = \endtabular
19606 \def\@array[#1]#2{%
19607 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
19608 \bgroup
19609 \setbox\@arstrutbox\hbox{%
19610 \vrule \@height\arraystretch\ht\strutbox
19611 \@depth\arraystretch \dp\strutbox
19612 \@width\z@}%
19613 \@mkpream{#2}%
19614 \edef\@preamble{%

```



```

19615 \ialign \noexpand\@halignto
19616 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19617 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19618 \let\tabularnewline\%
19619 \let\par\@empty
19620 \let\@sharp##%
19621 \set@typeset@protect
19622 \lineskip\z@skip\baselineskip\z@skip
19623 \ifhmode \@preamerr\z@ \@par\fi
19624 \if@RTLtab\hbox\bgroup\beginR\if #1\vtop \else \vbox \fi\bgroup\fi
19625 \@preamble}
19626 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
19627 \let\@classiv\@arrayclassiv
19628 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
19629 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
19630 \ifnum \@lastchclass=3 5 \else
19631 \z@ \if #1c\@chnum \z@ \else
19632 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
19633 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
19634 \@chclass \if #1\@ne \else
19635 \if #1\@tw@ \else
19636 \if #1p3 \else \z@ \@preamerr 0\fi
19637 \fi \fi \fi \fi \fi \fi
19638 \fi}
19639 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
19640 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
19641 \def\bm@t{\unhbox\@tempboxa\hss}
19642 \def\bm@b{\hss\unhbox\@tempboxa}
19643 \def\@dottedtocline#1#2#3#4#5{%
19644 \ifnum #1>\c@tocdepth \else
19645 \vskip \z@ \@plus.2\p@
19646 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg \
19647 \parindent #2\relax\@afterindenttrue
19648 \interlinepenalty\@M
19649 \leavevmode
19650 \@tempdima #3\relax
19651 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
19652 #4}\nobreak
19653 \leaders\hbox{$\m@th
19654 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19655 mu$}\hfill
19656 \nobreak
19657 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19658 \par}%
19659 \fi}
19660
19661
19662 \def\RTL@outputdblcol{%
19663 \if@firstcolumn
19664 \global\@firstcolumnfalse

```



```

19665 \global\setbox\@leftcolumn\copy\@outputbox
19666 \splitmaxdepth\maxdimen
19667 \vbadness\maxdimen
19668 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19669 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19670 \toks@\expandafter{\topmark}%
19671 \xdef\@firstcoltopmark{\the\toks@}%
19672 \toks@\expandafter{\splitfirstmark}%
19673 \xdef\@firstcolfirstmark{\the\toks@}%
19674 \ifx\@firstcolfirstmark\@empty
19675 \global\let\@setmarks\relax
19676 \else
19677 \gdef\@setmarks{%
19678 \let\firstmark\@firstcolfirstmark
19679 \let\topmark\@firstcoltopmark}%
19680 \fi
19681 \else
19682 \global\@firstcolumntrue
19683 \setbox\@outputbox\vbox{%
19684 \hb@xt@\textwidth{%
19685 \hskip \columnwidth
19686 \hfil
19687 {\normalcolor\vrule \@width\columnseprule}%
19688 \hfil
19689 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
19690 \hskip -\textwidth
19691 \hb@xt@\columnwidth{\box\@outputbox \hss}%
19692 \hskip \columnsep
19693 \hskip \columnwidth }}%
19694 \@combinedblfloats
19695 \setmarks
19696 \outputpage
19697 \beginngroup
19698 \@dblfloatplacement
19699 \@startdblcolumn
19700 \@whiles\if@fcolmade \fi{\@outputpage
19701 \@startdblcolumn}%
19702 \endgroup
19703 \fi}%
19704
19705 \def\LTR@outputdblcol{%
19706 \if@firstcolumn
19707 \global\@firstcolumnfalse
19708 \global\setbox\@leftcolumn\copy\@outputbox
19709 \splitmaxdepth\maxdimen
19710 \vbadness\maxdimen
19711 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19712 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19713 \toks@\expandafter{\topmark}%
19714 \xdef\@firstcoltopmark{\the\toks@}%

```



```

19715 \toks@\expandafter{\splitfirstmark}%
19716 \xdef\@firstcolfirstmark{\the\toks@}%
19717 \ifx\@firstcolfirstmark\empty
19718 \global\let\@setmarks\relax
19719 \else
19720 \gdef\@setmarks{%
19721 \let\firstmark\@firstcolfirstmark
19722 \let\topmark\@firstcoltopmark}%
19723 \fi
19724 \else
19725 \global\@firstcolumntrue
19726 \setbox\@outputbox\vbox{%
19727 \hb@xt@\textwidth{%
19728 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
19729 \hfil
19730 {\normalcolor\vrule \@width\columnseprule}%
19731 \hfil
19732 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
19733 \@combinedblfloats
19734 \setmarks
19735 \outputpage
19736 \begingroup
19737 \@dblfloatplacement
19738 \startdblcolumn
19739 \@whilesw\if@fcolmade \fi{\@outputpage
19740 \startdblcolumn}%
19741 \endgroup
19742 \fi}%
19743
19744
19745 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
19746 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
19747 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
19748 \def\LTRmarginpar{%
19749 \ifhmode
19750 \bsphack
19751 \floatpenalty -\@Mii
19752 \else
19753 \floatpenalty-\@Miii
19754 \fi
19755 \ifinner
19756 \parmoderr
19757 \floatpenalty\z@
19758 \else
19759 \next\@currbox\@freelist{}}}%
19760 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19761 {\floatpenalty\z@
19762 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
19763 \fi
19764 \ifnextchar [\@LTRxmpar\@LTRympar}

```



```

19765 \long\def\@LTRxmpar[#1]#2{%
19766   \@LTRsavemarbox\@marbox{#1}%
19767   \@LTRsavemarbox\@currbox{#2}%
19768   \@xympar}
19769 \long\def\@LTRympar#1{%
19770   \@LTRsavemarbox\@marbox{#1}%
19771   \global\setbox\@currbox\copy\@marbox
19772   \@xympar}
19773 \long\def \@LTRsavemarbox #1#2{%
19774   \global\setbox #1%
19775     \color@vbox
19776     \vtop{%
19777       \hsize\marginparwidth
19778       \@parboxrestore
19779       \@LTRmarginparreset
19780       #2%
19781       \@minipagefalse
19782       \outer@nobreak
19783     }%
19784   \color@endbox
19785 }
19786 \def \@LTRmarginparreset {%
19787   \reset@font
19788   \normalsize
19789   \@minipagetrue
19790   \everypar{\@minipagefalse\everypar{}\beginL}%
19791 }
19792 \def\RTLmarginpar{%
19793   \ifhmode
19794     \bsphack
19795     \@floatpenalty -\@Mii
19796   \else
19797     \@floatpenalty-\@Miii
19798   \fi
19799   \ifinner
19800     \@parmoderr
19801     \@floatpenalty\z@
19802   \else
19803     \@next\@currbox\@freelist{}\}%
19804     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
19805     {\@floatpenalty\z@
19806     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
19807   \fi
19808   \@ifnextchar [\@RTLxmpar\@RTLympar}
19809 \long\def\@RTLxmpar[#1]#2{%
19810   \@RTLSavemarbox\@marbox{#1}%
19811   \@RTLSavemarbox\@currbox{#2}%
19812   \@xympar}
19813 \long\def\@RTLympar#1{%
19814   \@RTLSavemarbox\@marbox{#1}%

```



```

19815 \global\setbox\@currbox\copy\@marbox
19816 \xympar}
19817 \long\def \@RTLsavemarbox #1#2{%
19818 \global\setbox #1%
19819 \color@vbox
19820 \vtop{%
19821 \hsize\marginparwidth
19822 \@parboxrestore
19823 \@RTLmarginparreset
19824 #2%
19825 \@minipagefalse
19826 \outer@nobreak
19827 }%
19828 \color@endbox
19829 }
19830 \def \@RTLmarginparreset {%
19831 \reset@font
19832 \normalsize
19833 \@minipagetrue
19834 \everypar{\@minipagefalse\everypar{}\beginR}%
19835 }
19836 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
19837 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
19838 \if@twocolumn
19839 \if@firstcolumn \@tempcnta\m@ne \fi
19840 \else
19841 \if@mparswitch
19842 \ifodd\c@page \else\@tempcnta\m@ne \fi
19843 \fi
19844 \if@reversemargin \@tempcnta -\@tempcnta \fi
19845 \fi
19846 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
19847 \@tempdima\@mparbottom
19848 \advance\@tempdima -\@pageht
19849 \advance\@tempdima\ht\@marbox
19850 \ifdim\@tempdima >\z@
19851 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
19852 \else
19853 \@tempdima\z@
19854 \fi
19855 \global\@mparbottom\@pageht
19856 \global\advance\@mparbottom\@tempdima
19857 \global\advance\@mparbottom\dp\@marbox
19858 \global\advance\@mparbottom\marginparpush
19859 \advance\@tempdima -\ht\@marbox
19860 \global\setbox \@marbox
19861 \vbox {\vskip \@tempdima
19862 \box \@marbox}%
19863 \global \ht\@marbox \z@
19864 \global \dp\@marbox \z@

```




```

19865 \kern -\@pagedp
19866 \nointerlineskip
19867 \hb@xt@\columnwidth
19868 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi}
19869 \hskip\columnwidth \hskip\marginparsep
19870 \else
19871 \hskip -\marginparsep \hskip -\marginparwidth
19872 \fi
19873 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
19874 \nointerlineskip
19875 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
19876 \long\def\ympar#1{%
19877 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
19878 \global\setbox\@currbox\copy\@marbox
19879 \@xympar}
19880 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
19881 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
19882 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
19883 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
19884 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
19885 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
19886 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
19887 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
19888 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
19889 \fi}
19890 \def\@outputpage{%
19891 \begingroup % the \endgroup is put in by \aftergroup
19892 \let \protect \noexpand
19893 \@resetactivechars
19894 \global\let\@if@newlist\if@newlist
19895 \global\@newlistfalse
19896 \@parboxrestore
19897 \shipout \vbox{%
19898 \set@typeset@protect
19899 \aftergroup \endgroup
19900 \aftergroup \set@typeset@protect
19901 % correct? or just restore by ending
19902 % the group?
19903 \if@specialpage
19904 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
19905 \fi
19906 \if@twoside
19907 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
19908 \let\@themargin\oddsidemargin
19909 \else \let\@thehead\@evenhead
19910 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
19911 \fi
19912 \ifx\@thehead\@empty \let\@thehead\hfil \fi
19913 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
19914 \else %% not @twoside

```



```

19915 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
19916 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
19917 \fi
19918 \reset@font
19919 \normalsize
19920 \normalsfcodes
19921 \let\label\@gobble
19922 \let\index\@gobble
19923 \let\glossary\@gobble
19924 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
19925 \@beginndvi
19926 \vskip \topmargin
19927 \moveright\@themargin \vbox {%
19928 \setbox\@tempboxa \vbox to\headheight{%
19929 \vfil
19930 \color@hbox
19931 \normalcolor
19932 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLMa
19933 \color@endbox
19934 }% %% 22 Feb 87
19935 \dp\@tempboxa \z@
19936 \box\@tempboxa
19937 \vskip \headsep
19938 \box\@outputbox
19939 \baselineskip \footskip
19940 \color@hbox
19941 \normalcolor
19942 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLMa
19943 \color@endbox
19944 }%
19945 }%
19946 \global\let\if@newlist\@if@newlist
19947 \global \colht \textheight
19948 \stepcounter{page}%
19949 \let\firstmark\botmark
19950 }
19951 \long\def\@makecaption#1#2{%
19952 \vskip\abovecaptionskip
19953 \sbox\@tempboxa{#1: #2}%
19954 \ifdim \wd\@tempboxa >\hsize
19955 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
19956 \else
19957 \global \minipagefalse
19958 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
19959 \fi
19960 \vskip\belowcaptionskip}
19961 \let\@bidi@saved@eqno=\eqno
19962 \let\@bidi@saved@leqno=\leqno
19963 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
19964 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}

```



```

19965 \ifpackageloaded{amsmath}{%{
19966 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
19967 }
19968 \input{footnote-xetex-bidi.def}
19969 \if@twocolumn
19970 \let\autofooterule\relax
19971 \let\leftfootnoterule\relax
19972 \let\rightfootnoterule\relax
19973 \textwidthfootnoterule
19974 \fi
19975 \if@bidi@csubdef{\@idxitem}{%{
19976 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
19977 }
19978 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{
19979 \ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{
19980 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{
19981 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{
19982 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{
19983 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{
19984 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{
19985 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{
19986 \ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{
19987 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{
19988 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{
19989 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{
19990 \ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{
19991 \ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{
19992 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{
19993 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{
19994 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{
19995 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{
19996 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{
19997 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{
19998 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{
19999 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{
20000 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{
20001 \ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{
20002 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{
20003 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{
20004 \ifpackageloaded{amsmath}{%{
20005 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{
20006 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{
20007 }
20008 \ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{
20009 \ifpackageloaded{crop}{\RequirePackage{graphicx}}{
20010 \ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{
20011 \ifpackageloaded{floatrow}{\RequirePackage{color}}{
20012 \ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{
20013 \ifpackagewith{algorithm2e}{algonl}{%
20014 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Alg

```



```

20015 }{}
20016 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
20017 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
20018 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
20019 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
20020 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
20021 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
20022 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}
20023 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
20024 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
20025 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
20026 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
20027 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
20028 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
20029 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
20030 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
20031 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
20032 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
20033 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
20034 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
20035 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
20036 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
20037 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
20038 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
20039 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
20040 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
20041 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
20042 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
20043 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
20044 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
20045 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
20046 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
20047 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
20048 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
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20064 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}

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20069 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}}
20070 \renewcommand*{\SC@justify@caption{%
20071 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else%
20072 \renewcommand*{\SC@FLOAT}[2]{%
20073 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {#2}\hspace{\sidecaptionsep}{#1}}
20074 \renewcommand*{\SC@justify@caption{%
20075 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
20076 }{}
20077 \@ifpackagewith{sidecap}{rightcaption}{%
20078 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
20079 \def\SC@justify@caption{\RaggedLeft}\else%
20080 \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
20081 \def\SC@justify@caption{\RaggedRight}\fi%
20082 }{}
20083 \@ifpackagewith{sidecap}{leftcaption}{%
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20085 \def\SC@justify@caption{\RaggedRight}\else%
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20087 \def\SC@justify@caption{\RaggedLeft}\fi%
20088 }{}
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20110 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

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7.123 xltextra-xetex-bidi.def

```

20111 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X

```



```

20112 \let\@XeTeX\XeTeX
20113 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
20114 \let\@XeLaTeX\XeLaTeX
20115 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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9 Change History

v13.9	General: Added implementaion of the package.	o	toc, lot, lof, etc with multicol package.	306	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par.	141

