



# The bidi *Package*

Documentation for *version 19.6*

*to my Master, Ferdowsi The Great*

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# The *bid* Package

## Bidirectional typesetting in plain T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, using XeT<sub>E</sub>X engine

Documentation for [version 19.6](#)

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## Introduction

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

### bidi Info On The Terminal and In The Log File

If you use bidi package to write any input  $\text{\TeX}$  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
*
* 2016/05/23, v19.6
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

## Part I

# $\text{\LaTeX}$ 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<sub>E</sub>X but lion does not symbolizes bidi. **Simorgh**<sup>1</sup> (shown on the first page of this documentation) symbolizes bidi.

<sup>1</sup>**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  $\text{\LaTeX}$  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  $\text{\XeTeX}$  and  $\text{\XeLaTeX}$  logos and in addition, it makes sure that logos,  $\text{\TeX}$ ,  $\text{\LaTeX}$ ,  $\text{\LaTeX}_{2\epsilon}$  are typeset LTR.

### 1.13 Separation Mark

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

Generally in Standard  $\text{\LaTeX}$ , 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    \setRTLbibitems    \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`<sup>2</sup> 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.

---

<sup>2</sup>This 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  $\text{\LaTeX}$ , `\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@Latin`

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.



## 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<sub>E</sub>X 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{&lt;text&gt;}</code>	<code>\LR{&lt;text&gt;}</code>
<code>\RLE{&lt;text&gt;}</code>	<code>\RL{&lt;text&gt;}</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  $\text{\TeX}$  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 Xe $\text{\TeX}$  logo and in addition, it makes sure that the logo,  $\text{\TeX}$  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 {\thesubsection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsubsection \@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   \@nx\markboth{\the\toks4
121     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \clearatopmattertags
126 }

```

## 7.2 adjmulticol-xetex-bidi.def

```

127 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol pack
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 pack
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\@endalgoln\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\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\lef
214 \if@RTL\leftskip\else\rightskip\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   \@bibtittlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \ifRTL\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\righskip\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\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \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}[2014/09/04 v0.9 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 \exp\xdef\csname the#2\endcsname{%
336 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@

```

## 7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for X
340 \def\textdef@#1#2#3{\hbox{ {%
341 \everymath{#1}%
342 \let\fontsize#2\selectfont

```



```
343 \if@Latin\else\beginR\fi#3\if@Latin\else\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@dvipdfmx%
368 \@anim@missing[dvipdfmx]{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 }{}%
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@buildtmIn{\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 \beginGroup%
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@buildtmtn{\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 $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
603 \expandafter\let\csname endtabular*\endcsname=\endtabular
604 \def\@array[#1]#2{%
605 \@tempdima \ht \strutbox
606 \advance \@tempdima by\extrarowheight
607 \setbox \@arstrutbox \hbox{\vrule
608 \height \arraystretch \@tempdima
609 \depth \arraystretch \dp \strutbox
610 \width \z@}%
611 \beginR
612 \@mkpream{#2}%
613 \xdef\@preamble{\noexpand \ialign \@halignto
614 \bgroup \@arstrut \@preamble
615 \tabskip \z@ \cr}%
616 \endR
617 \@arrayleft
618 \if #1t\top \else \if#1b\box \else \vcenter \fi \fi
619 \bgroup
620 \let \@sharp ##\let \protect \relax
621 \lineskip \z@
622 \baselineskip \z@
623 \m@th
624 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1t\top
625 \def\@tabarray{\@ifnextchar[\{\@array\}\@array[c]\}
626 \def\endarray{\cr\egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
627 \def\array{\col@sep\arraycolsep
628 \def\d@llarbegin{$}\let\d@llarend\d@llarend\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 class]
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\@makeintext##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     \begingroup
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*{\hspace\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    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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\@makefnintext##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=\@one
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##1{\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     \begingroup
1522     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

1523 \def\@makefnmark{\rlap{%
1524 \textsuperscript{\normalfont\@thefnmark}}}%
1525 \long\def\@makefnmark{\xmakefnmark{%
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 \@one \else
1642       \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1643       \@chclass
1644       \if #1l\@one \let\@arrayrule\adl@arrayrule \else
1645       \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1646       \if #1;\@one \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{2016/05/23}
1719 \def\bidiversion{v19.6}
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/persian-tex/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@Latin
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}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1793   \ifcase\bidi@tempb\relax
1794     \RTLtrue
1795   \or
1796     \RTLfalse
1797   \fi}
1798 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1799   \ifcase\bidi@tempb\relax
1800     \autofootnoterule
1801   \or
1802     \leftfootnoterule
1803   \or
1804     \rightfootnoterule
1805   \or
1806     \SplitFootnoteRule
1807   \or
1808     \textwidthfootnoterule
1809   \fi}
1810 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1811   \ifcase\bidi@tempb\relax
1812     \RTL@footnotetrue
1813   \or
1814     \RTL@footnotefalse
1815   \fi}
1816 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1817 \ifcase\bidit@tempb\relax
1818   \footdir@debugtrue
1819 \or
1820   \footdir@debugfalse
1821 \fi}
1822 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1823   \ifcase\bidit@tempb\relax
1824     \@extrafootnotefeaturestrue
1825 \or
1826     \@extrafootnotefeaturesfalse
1827 \fi}
1828
1829 \ProcessOptionsX
1830
1831 \if@extrafootnotefeatures
1832   \input{extrafootnotefeatures-xetex-bidi.def}
1833 \fi
1834 \newcount\bidi@digits
1835 \XeTeXinterchartokenstate=\@ne
1836 \newXeTeXintercharclass\bidi@digits@charclass
1837 \newXeTeXintercharclass\bidi@dot@charclass
1838 \XeTeXcharclass `\. \bidi@dot@charclass
1839 \bidi@digits=\`0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1840 \bidi@digits=\` \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digits<
1841 \XeTeXinterchartoks \bidi@digits@charclass \bidi@dot@charclass = {\DigitsDotInterCharToks}
1842 \XeTeXinterchartoks \bidi@dot@charclass \bidi@digits@charclass = {\DigitsDotInterCharToks}
1843 \newcommand*{\DigitsDotInterCharToks}{\if@Latin\else\char"200F \fi}

```

## 7.16 bidi.tex

```

1844 \def\bididate{2015/10/16}
1845 \def\bidiversion{v0.3}
1846 \catcode`\@=11
1847 \let \protect \relax
1848 \newlinechar`\^^J
1849 \edef\@bidi@info{*****~^J%
1850 * ~^J%
1851 * bidi package (Bidirectional typesetting in~^J%
1852 * plain TeX and LaTeX, using XeTeX engine)~^J%
1853 * ~^J%
1854 * Description: A convenient interface for~^J%
1855 * typesetting bidirectional texts in plain TeX~^J%
1856 * and LaTeX. The package includes adaptations~^J%
1857 * for use with many other commonly-used packages.~^J%
1858 * ~^J%
1859 * Copyright (c) 2009--2015 Vafa Khalighi~^J%
1860 * ~^J%
1861 * \bididate, \bidiversion~^J%
1862 * ~^J%
1863 * License: LaTeX Project Public License, version~^J%

```



```

1864 * 1.3c or higher (your choice)^^J%
1865 * ^^J%
1866 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1867 * ^^J%
1868 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1869 * ^^J%
1870 * Support: persian-tex@tug.org^^J%
1871 *****}
1872 \message{\@bidi@info}
1873 \edef\bidi@everyjob{\the\everyjob}
1874 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1875 \input iftex.sty
1876 \RequireXeTeX
1877 \newif\if@RTLmain
1878 \newif\if@RTL
1879 \newif\if@sentedir
1880 \newif\if@RTL@footnote
1881 \@RTLmainfalse
1882 \def\setRTLmain{%
1883   \if@RTLmain\else
1884     \if@RTL\@RTLmaintrue%
1885     \else\@RTLmainfalse%
1886     \fi%
1887   \fi%
1888 }
1889 \let\n@xt=
1890 \protected\def\LRE{\protect\pLRE}%
1891 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1892 \protected\def\RLE{\protect\pRLE}
1893 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1894 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1895   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1896 \input plain-xetex-bidi.def
1897 \catcode`\@=12

```

## 7.17 bidi2in1.sty

```

1898 \NeedsTeXFormat{LaTeX2e}
1899 \ProvidesPackage{bidi2in1}
1900 \pagestyle{plain}
1901 \newcount\evenpage
1902 \newcount\oddpge
1903 \twocolumn
1904 \def\@oddfoot{\evenpage=\thepage%
1905 \multiply\evenpage by 2%
1906 \oddpge=\the\evenpage%
1907 \advance\oddpge by -1%
1908 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1909 \def\@evenfoot{\evenpage=\thepage%
1910 \multiply\evenpage by 2%

```



```

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

```

## 7.18 bidicode.sty

```

1954 \NeedsTeXFormat{LaTeX2e}
1955 \ProvidesPackage{bidicode}
1956 \RequirePackage{xcolor}
1957 \RequirePackage{showexpl}

```



```

1958 \definecolor{hellgelb}{rgb}{1,1,0.85}
1959 \definecolor{colKeys}{rgb}{0,0,1}
1960 \definecolor{colIdentifier}{rgb}{0,0,0}
1961 \definecolor{colComments}{rgb}{1,0,0}
1962 \definecolor{colString}{rgb}{0,0.5,0}
1963 \lstset{
1964     language=[LaTeX]TEX,
1965     float=hb,
1966     basicstyle=\ttfamily\small,
1967     identifierstyle=\color{colIdentifier},
1968     keywordstyle=\color{colKeys},
1969     stringstyle=\color{colString},
1970     commentstyle=\color{colComments},
1971     columns=flexible,
1972     tabsize=4,
1973     gobble =1,
1974     extendedchars=true,
1975     showspace=false,
1976     showstringspaces=false,
1977     numbers=left,
1978     numbersep=0.9em,
1979     numberstyle=\tiny, %
1980     frame=single,
1981     captionpos=b,
1982     xleftmargin=1em,
1983     breaklines=true,
1984     breakautoindent=false,
1985     breakindent=0pt,
1986     escapeinside=**,
1987     pos=r,
1988     explpreset={%
1989     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1990     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1991 }
1992 \newcommand\HLON{%
1993 \gdef\lst@alloverstyle##1{%
1994 \fboxrule=0pt
1995 \fboxsep=0pt
1996 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1997 }}
1998 \newcommand\HLOFF{%
1999 \xdef\lst@alloverstyle##1{##1}%
2000 }
2001 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
2002 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
2003 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2004 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2005 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2006 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2007 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}

```



```

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

```



```

2058 }
2059 \newenvironment{BCmd}{
2060   \@beginparpenalty-\@lowpenalty
2061   \topsep\BDefaboveskip
2062   \fbboxsep3pt
2063   \flushleft}
2064 {\@endparpenalty\@M
2065   \@topsepadd\BDefbelowskip
2066   \endflushleft}
2067
2068 \newenvironment{BCmd*}{
2069   \@beginparpenalty\@M
2070   \topsep\BDefinlineskip
2071   \fbboxsep3pt
2072   \flushleft}
2073 {\@endparpenalty5000
2074   \endflushleft}
2075
2076 \newskip\BDefaboveskip
2077 \newskip\BDefbelowskip
2078 \newskip\BDefinlineskip
2079 \setlength\BDefaboveskip{10pt plus 4pt}
2080 \setlength\BDefbelowskip{6pt}
2081 \setlength\BDefinlineskip{6pt}
2082
2083 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2084 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2085 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2086 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

## 7.19 bidiftnxtra.sty

```

2087 \NeedsTeXFormat{LaTeX2e}
2088 \ProvidesPackage{bidiftnxtra}
2089 \newtoks\bidi@p@ftn
2090 \let\FN@sff@footnote\footnote
2091 \let\FN@sff@LTRfootnote\LTRfootnote
2092 \let\FN@sff@RTLfootnote\RTLfootnote
2093 \def\footnote{\ifx\protect\@typeset@protect
2094   \expandafter\FN@sff@footnote
2095   \else
2096     \expandafter\FN@sff@gobble@opt
2097   \fi
2098 }
2099 \def\LTRfootnote{\ifx\protect\@typeset@protect
2100   \expandafter\FN@sff@LTRfootnote
2101   \else
2102     \expandafter\FN@sff@gobble@opt
2103   \fi
2104 }

```



```

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

```





```

2155 \edef\@tempy{\the\bidip@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]]}%
2156 \global\bidip@ftn\expandafter{\@tempy{#1}}}%
2157 \long\def\bidip@LTRftntext#1{%
2158 \edef\@tempyi{\the\bidip@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]]}%
2159 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
2160 \long\def\bidip@RTLftntext#1{%
2161 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]]}%
2162 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2163
2164
2165 \long\def\bidip@xftntext[#1]#2{%
2166 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2167
2168 \long\def\bidip@xLTRftntext[#1]#2{%
2169 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2170
2171 \long\def\bidip@xRTLftntext[#1]#2{%
2172 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2173
2174
2175 \def\bidip@xfootnote[#1]{%
2176 \begingroup
2177 \csname c@\mpfn\endcsname #1\relax
2178 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2179 \endgroup
2180 \@footnotemark\bidip@xftntext[#1]}
2181
2182
2183 \def\bidip@xLTRfootnote[#1]{%
2184 \begingroup
2185 \csname c@\mpfn\endcsname #1\relax
2186 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2187 \endgroup
2188 \@footnotemark\bidip@xLTRftntext[#1]}
2189
2190
2191 \def\bidip@xRTLfootnote[#1]{%
2192 \begingroup
2193 \csname c@\mpfn\endcsname #1\relax
2194 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2195 \endgroup
2196 \@footnotemark\bidip@xRTLftntext[#1]}
2197
2198 \def\@xfloat #1[#2]{%
2199 \@nodocument
2200 \def \@captype {#1}%
2201 \def \@fps {#2}%
2202 \@onelevel@sanitize \@fps
2203 \def \reserved@b {!}%
2204 \ifx \reserved@b \@fps

```



```

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

```



```

2255 \global \setbox\@currbox
2256 \color@vbox
2257 \normalcolor
2258 \vbox \bgroup
2259 \let\@footnotetext\@bidi@p@ftntext
2260 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2261 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2262 \let\@xfootnotenext\@bidi@p@xftntext
2263 \let\@xfootnote\@bidi@p@xfootnote
2264 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2265 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2266 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2267 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2268 \hsize\columnwidth
2269 \@parboxrestore
2270 \@floatboxreset
2271 }
2272 \def \@endfloatbox{%
2273 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2274 \@minipagefalse
2275 \outer@nobreak
2276 \egroup %% end of vbox
2277 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2278 \color@endbox
2279 }

```

## 7.20 bidi-longtable.sty

```

2280 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2281 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2282 \par
2283 \ifx\multicols\@undefined
2284 \else
2285 \ifnum\col@number>\@ne
2286 \@twocolumntrue
2287 \fi
2288 \fi
2289 \if@twocolumn
2290 \LT@err{longtable not in 1-column mode}\@ehc
2291 \fi
2292 \begingroup
2293 \@ifnextchar[\LT@array{\LT@array[x]}%
2294 \def\endlongtable{%
2295 \crr
2296 \noalign{%
2297 \let\LT@entry\LT@entry@chop
2298 \xdef\LT@save@row{\LT@save@row}}%
2299 \LT@echunk
2300 \LT@start
2301 \unvbox\z@

```



```

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

```

## 7.21 bidimoderncv.cls



```

2349 \NeedsTeXFormat{LaTeX2e}
2350 \ProvidesClass{bidimoderncv}
2351 \newif\if@DEBUG\@DEBUGfalse
2352 \DeclareOption{a4paper}{
2353   \setlength\paperheight{297mm}
2354   \setlength\paperwidth{210mm}}
2355 \DeclareOption{a5paper}{
2356   \setlength\paperheight{210mm}
2357   \setlength\paperwidth{148mm}}
2358 \DeclareOption{b5paper}{
2359   \setlength\paperheight{250mm}
2360   \setlength\paperwidth{176mm}}
2361 \DeclareOption{letterpaper}{
2362   \setlength\paperheight{11in}
2363   \setlength\paperwidth{8.5in}}
2364 \DeclareOption{legalpaper}{
2365   \setlength\paperheight{14in}
2366   \setlength\paperwidth{8.5in}}
2367 \DeclareOption{executivepaper}{
2368   \setlength\paperheight{10.5in}
2369   \setlength\paperwidth{7.25in}}
2370 \DeclareOption{landscape}{
2371   \setlength\@tempdima{\paperheight}
2372   \setlength\paperheight{\paperwidth}
2373   \setlength\paperwidth{\@tempdima}}
2374 \newcommand\@ptsizesize{}
2375 \DeclareOption{10pt}{\renewcommand\@ptsizesize{0}}
2376 \DeclareOption{11pt}{\renewcommand\@ptsizesize{1}}
2377 \DeclareOption{12pt}{\renewcommand\@ptsizesize{2}}
2378 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2379 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2380 \newif\if@colour\@colourtrue
2381 \DeclareOption{nocolour}{\@colourfalse}
2382 \ExecuteOptions{a4paper,11pt,colour,final}
2383 \ProcessOptions\relax
2384 \input{size1\@ptsizesize.clo}
2385 \RequirePackage{color}
2386 \RequirePackage{graphicx}
2387 \RequirePackage{ifthen}
2388 \RequirePackage{marvosym}
2389 \addtolength{\oddsidemargin}{-54pt}
2390 \addtolength{\textwidth}{109pt}
2391 \addtolength{\topmargin}{-70pt}
2392 \addtolength{\textheight}{122pt}
2393 \addtolength{\marginparsep}{-5pt}
2394 \addtolength{\marginparwidth}{-10pt}
2395 \RequirePackage{url}
2396 \RequirePackage{hyperref}
2397 \hypersetup{
2398   breaklinks,

```



```

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

```



```

2449 \providecommand*\sectionfont{}
2450 \providecommand*\subsectionfont{}
2451 \providecommand*\hintfont{}\small
2452 \providecommand*\firstnamestyle[1]{\{\firstnamedfont\@firstnamecolour#1\}}
2453 \providecommand*\familynamestyle[1]{\{\familynamedfont\@familynamecolour#1\}}
2454 \providecommand*\titlestyle[1]{\{\titlefont\@titlecolour#1\}}
2455 \providecommand*\addresstyle[1]{\{\addressfont\@addresscolour#1\}}
2456 \providecommand*\quotestyle[1]{\{\quote font\@quote colour#1\}}
2457 \providecommand*\sectionstyle[1]{\{\sectionfont\@sectiontitlecolour#1\}}
2458 \providecommand*\subsectionstyle[1]{\{\subsectionfont\@subsectioncolour#1\}}
2459 \providecommand*\hintstyle[1]{\{\hintfont\@hintcolour#1\}}
2460 \newcommand*\cvtheme}[2][{}{
2461   \def\@cvtheme{#2}
2462   \def\@cvthemeoptions{#1}}
2463 \cvtheme{bidi-casual}
2464 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2465 \newcommand*\resumename[1]{\def\@resumename{#1}}
2466 \newcommand*\firstname[1]{\def\@firstname{#1}}
2467 \newcommand*\familyname[1]{\def\@familyname{#1}}
2468 \renewcommand*\title[1]{\def\@title{#1}}
2469 \newcommand*\address[1]{\def\@address{#1}}
2470 \newcommand*\mobile[1]{\def\@mobile{#1}}
2471 \newcommand*\phone[1]{\def\@phone{#1}}
2472 \renewcommand*\fax[1]{\def\@fax{#1}}
2473 \newcommand*\email[1]{\def\@email{#1}}
2474 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
2475 \def\@photowidth{0pt}
2476 \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2477 \newcommand*\quote[1]{\def\@quote{#1}}
2478 \newlength{\quotewidth}
2479 \newlength{\hintscolumnwidth}
2480 \newlength{\separatorcolumnwidth}
2481 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2482 \newlength{\maincolumnwidth}
2483 \newlength{\doubleitemmaincolumnwidth}
2484 \newlength{\listitemsymbolwidth}
2485 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2486 \newlength{\listitemmaincolumnwidth}
2487 \newlength{\listdoubleitemmaincolumnwidth}
2488 \newcommand*\recomputethemlengths{}
2489 \newcommand*\recomputelengths{%
2490 \setlength{\quotewidth}{0.65\textwidth}%
2491 \setlength{\maincolumnwidth}{\textwidth}%
2492 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2493 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2494 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2495 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2496 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2497 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2498 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%

```



```

2499 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2500 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2501 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2502 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2503 \renewcommand{\headwidth}{\textwidth}%
2504 \recomputethemelengths}
2505 \setlength{\hintscolumnwidth}{0.15\textwidth}
2506 \recomputelengths
2507 \title{}
2508 \renewcommand*{\maketitle}{}
2509 \newcommand*{\section}[1]{%
2510 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2511 \phantomsection}%
2512 \addcontentsline{toc}{part}{#1}%
2513 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangleco
2514 \hspace{\separatorcolumnwidth}%
2515 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]]}
2516 \newcommand*{\subsection}[1]{%
2517 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2518 \newcommand*{\cvline}[3][.25em]{%
2519 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@
2520 \bidi@raggedleft\hintfont{#2} \&{#3}%
2521 \end{tabular}}\[\[#1]]}
2522 \newcommand*{\cvdoubleitem}[4]{%
2523 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2524 \hfill%
2525 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2526 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
2527 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2528 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
2529 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2530 \hfill%
2531 \ifthenelse{\equal{#3}{}}%
2532 {}%
2533 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2534 \newcommand*{\cventry}[6]{%
2535 \cvline{#1}{%
2536 {\bfseries#2}%
2537 \ifx#3\else{, {\slshape#3}}\fi%
2538 \ifx#4\else{, #4}\fi%
2539 \ifx#5\else{, #5}\fi%
2540 .%
2541 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2542 }%
2543 \newcommand*{\cvlanguage}[3]{%
2544 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2545 \newcommand*{\cvcomputer}[4]{%
2546 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2547 \newcommand*{\link}[2][]{%
2548 \ifthenelse{\equal{#1}{}}%

```





```

2549     {\href{#2}{#2}}%
2550     {\href{#2}{#1}}}
2551 \newcommand*{\httplink}[2][{}]{%
2552   \ifthenelse{\equal{#1}{}}{%
2553     {\href{http://#2}{#2}}%
2554     {\href{http://#2}{#1}}}
2555 \newcommand*{\emallink}[2][{}]{%
2556   \ifthenelse{\equal{#1}{}}{%
2557     {\href{mailto:#2}{#2}}%
2558     {\href{mailto:#2}{#1}}}
2559 \newif\if@displaypagenumbers\@displaypagenumberstrue
2560 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2561 \AtBeginDocument{%
2562   \if@displaypagenumbers%
2563     \ifundefined{r@lastpage}{\fi}%
2564     \ifthenelse{\pageref{lastpage} > 1}{%
2565       \fancypagestyle{plain}{%
2566         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2567         \pagestyle{plain}}}{\fi}%
2568     \AtEndDocument{\label{lastpage}}%
2569   \fi}
2570 \newlength{\bibindent}
2571 \setlength{\bibindent}{1.5em}
2572 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2573 \newenvironment{thebibliography}[1]{%
2574   {%
2575     \section{\refname}%
2576     \small%
2577     \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
2578     \begin{list}{\bibliographyitemlabel}%
2579       {%
2580         \setlength{\topsep}{0pt}%
2581         \setlength{\labelwidth}{\hintscolumnwidth}%
2582         \setlength{\labelsep}{\separatorcolumnwidth}%
2583         \leftmargin\labelwidth%
2584         \advance\leftmargin\labelsep%
2585         \@openbib@code%
2586         \usecounter{enumiv}%
2587         \let\p@enumiv\@empty%
2588         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2589         \sloppy\clubpenalty4000\widowpenalty4000%
2590     }%
2591   {%
2592     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2593     \end{list}%
2594   }
2595 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2596 \let\@openbib@code\@empty

```



## 7.22 biditools.sty

```
2597 \NeedsTeXFormat{LaTeX2e}
2598 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2599 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2600   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2601   \ifx\@tempa\@tempb \global\let#2#1%
2602   \else
2603     \edef\@tempb{\meaning#2}%
2604     \ifx\@tempa\@tempb
2605       \else
2606         \@latex@error{Unable to properly define \string#2; primitive
2607           \noexpand#1no longer primitive}\@eha
2608       \fi
2609     \fi
2610   \endgroup}
2611 \newtoks\@bidi@envbody
2612 \newtoks\@bidi@emptytoks
2613 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2614 \def\bidi@collect@body#1{%
2615   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2616   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2617   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2618   \begingroup
2619   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2620   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2621   \bidi@process@envbody
2622 }
2623 \def\bidi@push@begins#1\begin#2{%
2624   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2625 }
2626 \def\bidi@collect@@body#1\end#2{%
2627   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2628   \ifx\@empty\begin@bidi@stack
2629     \endgroup
2630     \@checkend{#2}%
2631     \bidi@addto@envbody{#1}%
2632   \else
2633     \bidi@addto@envbody{#1\end{#2}}%
2634   \fi
2635   \bidi@process@envbody % A little tricky! Note the grouping
2636 }
2637 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2638 \long\def\bidi@collect@long@body#1{%
2639   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2640   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2641   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2642   \begingroup
2643   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2644   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%

```



```

2645 \bidi@process@envbody
2646 }
2647 \long\def\bidi@push@long@begins#1\begin#2{%
2648 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2649 }
2650 \long\def\bidi@collect@long@@body#1\end#2{%
2651 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st
2652 \ifx\@empty\begin@bidi@stack
2653 \endgroup
2654 \@checkend{#2}%
2655 \bidi@addto@long@envbody{#1}%
2656 \else
2657 \bidi@addto@long@envbody{#1\end{#2}}%
2658 \fi
2659 \bidi@process@envbody % A little tricky! Note the grouping
2660 }
2661 \long\def\bidi@new@ifnextchar#1#2#3{%
2662 \let\reserved@d= #1%
2663 \def\reserved@a{#2}\def\reserved@b{#3}%
2664 \futurelet\@let@token\bidi@new@ifnch
2665 }
2666 \def\bidi@new@ifnch{%
2667 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2668 \reserved@b
2669 }
2670 \def\bidi@matrix@check#1{%
2671 \expandafter\ifx\csname\@currenvir\endcsname#1%
2672 \else\bidi@matrix@error#1%
2673 \expandafter\@gobble
2674 \fi
2675 }
2676 \def\bidi@matrix@error#1{%
2677 \PackageError{biditools}{%
2678 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2679 }{%
2680 '\string#1{...}' is old bidi package syntax whose use is
2681 ill-advised in the old versions of bidi package.%
2682 }%
2683 }
2684 \def\@tagsextension{clo}
2685 \def\@definitionfileextension{def}
2686 \def\@texfileextension{tex}
2687 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2688 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2689 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2690 \def\eqnewif#1#2{%
2691 \count@\escapechar \escapechar\m@ne
2692 \let#1\iffalse
2693 \let#2\iffalse
2694 \eq@if#1#2\iftrue

```



```

2695 \eq@if#1#2\iffalse
2696 \escapechar\count@}
2697 \def\eq@if#1#2#3{%
2698 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2699 \expandafter\@gobbletwo\string#3\endcsname
2700 {\let#1#3%
2701 \let#2#3}%
2702 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2703 \expandafter\@gobbletwo\string#3\endcsname
2704 {\let#2#3%
2705 \let#1#3}}
2706 \def\@bidi@removefromreset#1#2{%
2707 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2708 \def\@elt##1{%
2709 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2710 \else
2711 \noexpand\@elt{##1}%
2712 \fi}%
2713 \expandafter\xdef\csname cl@#2\endcsname{%
2714 \csname cl@#2\endcsname}}
2715 \newcommand*{\if@bidi@csdef}[1]{%
2716 \ifcsname#1\endcsname
2717 \expandafter\@firstoftwo
2718 \else
2719 \expandafter\@secondoftwo
2720 \fi}
2721 \newcommand*{\if@bidi@csundef}[1]{%
2722 \ifcsname#1\endcsname
2723 \expandafter\ifx\csname#1\endcsname\relax
2724 \expandafter\expandafter
2725 \expandafter\@firstoftwo
2726 \else
2727 \expandafter\expandafter
2728 \expandafter\@secondoftwo
2729 \fi
2730 \else
2731 \expandafter\@firstoftwo
2732 \fi}
2733 \newcommand{\if@bidi@def}[1]{%
2734 \ifdefined#1%
2735 \expandafter\@firstoftwo
2736 \else
2737 \expandafter\@secondoftwo
2738 \fi}
2739 \newcommand{\if@bidi@undef}[1]{%
2740 \ifdefined#1%
2741 \ifx#1\relax
2742 \expandafter\expandafter
2743 \expandafter\@firstoftwo
2744 \else

```



```

2745     \expandafter\expandafter
2746     \expandafter\@secondoftwo
2747     \fi
2748   \else
2749     \expandafter\@firstoftwo
2750   \fi}
2751 \newcommand{\if@bidi@blank}[1]{% from url.sty
2752   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2753 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2754 \newcommand{\bidi@notblank}[1]{%
2755   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2756 \newcommand{\if@bidi@defmacro}{%
2757   \long\edef\if@bidi@defmacro#1{%
2758     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2759     \noexpand\meaning#1\detokenize{macro}:&}
2760   \edef\bidi@ifdefmacro{%
2761     \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2762     \bidi@ifdefmacro{\bidi@notblank{#2}}
2763   \newcommand*{\if@bidi@csmacro}[1]{%
2764     \if@bidi@csdef{#1}
2765       {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2766       {\@secondoftwo}}
2767   \newcommand{\if@bidi@defprimitive}[1]{%
2768     \ifprimitive#1%
2769       \expandafter\@firstoftwo
2770     \else
2771       \expandafter\@secondoftwo
2772     \fi}
2773 \newcommand{\if@bidi@csprimitive}[1]{%
2774   \begingroup\expandafter\expandafter\expandafter\endgroup%
2775   \expandafter\ifprimitive\csname#1\endcsname%
2776   \expandafter\@firstoftwo
2777   \else
2778     \expandafter\@secondoftwo
2779   \fi}
2780 \newcommand*{\bidi@csdefcs}[2]{%
2781   \expandafter\@ifdefinable \csname#1\endcsname{%
2782     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2783 \newcommand*{\bidi@csletcs}[2]{%
2784   \expandafter\@ifdefinable \csname#1\endcsname{%
2785     \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2786 \newcommand*{\bidi@cslet}[2]{%
2787   \expandafter\@ifdefinable \csname#1\endcsname{%
2788     \expandafter\let\csname#1\endcsname#2}}
2789 \newcommand{\bidi@namelongdef}[1]{%
2790   \long\expandafter\def\csname #1\endcsname}
2791 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2792 \def\bidi@ensure@new@command#1{%
2793   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2794   \expandafter\if@bidi@csundef\@gtempa

```



```

2795     {\new@command#1}{\relax%
2796 \let\@ifdefinable\@rc@ifdefinable%
2797 \new@command#1}}
2798 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2799
2800 \protected\def\bidi@error{\PackageError{bidi}}
2801 \protected\def\bidi@warning{\PackageWarning{bidi}}
2802 \protected\def\bidi@info{\PackageInfo{bidi}}
2803
2804 \newcommand*{\bidi@newrobustcmd}{}
2805 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2806
2807 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2808
2809 \def\bidi@newcommand#1[#2]{%
2810 \@ifnextchar[%
2811   {\bidi@xargdef#1[#2]}
2812   {\ifx\l@ngrel@x\relax
2813     \let\l@ngrel@x\protected
2814     \else
2815       \protected\def\l@ngrel@x{\protected\long}%
2816     \fi
2817     \@argdef#1[#2]}}
2818
2819 \long\def\bidi@xargdef#1[#2][#3]#4{%
2820 \@ifdefinable#1{%
2821   \expandafter\protected
2822   \expandafter\def
2823   \expandafter#1%
2824   \expandafter{%
2825     \expandafter\@testopt
2826     \csname\string#1\endcsname{#3}}%
2827   \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}}%
2828
2829 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2830
2831 \def\bidi@renew@command#1{%
2832 \if@bidi@undef{#1}
2833   {\bidi@error{\string#1 undefined}\@ehc}
2834   {%
2835 \let\@ifdefinable\@rc@ifdefinable
2836 \bidi@new@command#1}
2837
2838
2839
2840 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2841
2842 \def\bidi@provide@command#1{%
2843 \if@bidi@undef{#1}
2844   {\def\reserved@a{\bidi@new@command#1}}

```



```

2845     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2846     \reserved@a}
2847
2848 \newcommand*{\bidi@csuse}[1]{%
2849   \ifcsname#1\endcsname
2850     \csname#1\expandafter\endcsname
2851   \fi}
2852
2853 \newcommand{\bidi@expandonce}[1]{%
2854   \unexpanded\expandafter{#1}}
2855
2856 \def\bidi@protected{%
2857   \let\@protect\protect
2858   \let\protect\@unexpandable@protect
2859   \afterassignment\restore@protect}
2860
2861 \bidi@newrobustcmd{\bidi@appto}[2]{%
2862   \if@bidi@undef{#1}
2863     {\edef#1{\unexpanded{#2}}}
2864     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2865 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2866   \if@bidi@undef{#1}
2867     {\edef#1{#2}}
2868     {\edef#1{\bidi@expandonce#1#2}}}
2869 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2870   \if@bidi@undef{#1}
2871     {\xdef#1{\unexpanded{#2}}}
2872     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2873 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2874   \if@bidi@undef{#1}
2875     {\xdef#1{#2}}
2876     {\xdef#1{\bidi@expandonce#1#2}}}
2877
2878 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2879 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2880
2881
2882
2883 \bidi@newrobustcmd{\bidi@preto}[2]{%
2884   \if@bidi@undef{#1}
2885     {\edef#1{\unexpanded{#2}}}
2886     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2887 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2888   \if@bidi@undef{#1}
2889     {\edef#1{#2}}
2890     {\edef#1{#2\bidi@expandonce#1}}}
2891 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2892   \if@bidi@undef{#1}
2893     {\xdef#1{\unexpanded{#2}}}
2894     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}

```



```

2895 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2896   \if@bidi@undef{#1}
2897     {\xdef#1{#2}}
2898     {\xdef#1{#2\bidi@expandonce#1}}}
2899
2900 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2901 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2902
2903
2904
2905 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2906 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2907 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2908 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2909 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2910 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2911
2912
2913
2914 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2915 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2916 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2917 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2918 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2919 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2920
2921
2922
2923 \bidi@newrobustcmd{\if@bidi@patchable}{%
2924   \bidi@dbg@trce\if@bidi@patchable
2925   \begingroup
2926   \@makeother\#%
2927   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2928
2929 \long\def\bidi@ifpatchable#1#2{%
2930   \endgroup
2931   \bidi@dbg@init#1%
2932   \if@bidi@undef{#1}
2933     {\bidi@dbg@fail{def}\@secondoftwo}
2934     {\bidi@dbg@info{def}%
2935       \if@bidi@defmacro{#1}
2936         {\bidi@dbg@info{mac}%
2937           \bidi@ifscanable{#1}
2938             {\bidi@ifhashcheck{#2}
2939               {\bidi@dbg@info{tok}%
2940                 \bidi@ifpattern#1{#2}
2941                 {\bidi@dbg@info{pat}%
2942                   \bidi@dbg@info{pos}\@firstoftwo}
2943                   {\bidi@dbg@fail{pat}\@secondoftwo}}
2944                 {\bidi@dbg@fail{hsh}\@secondoftwo}}

```





```

2945         {\bidi@dbg@fail{tok}\@secondoftwo}}
2946     {\bidi@dbg@fail{mac}\@secondoftwo}}
2947
2948 \long\def\bidi@ifpatchable@i#1{%
2949     \endgroup
2950     \bidi@dbg@init#1%
2951     \if\bidi@undef{#1}
2952         {\bidi@dbg@fail{def}\@secondoftwo}
2953         {\bidi@dbg@info{def}%
2954         \if\bidi@defmacro{#1}
2955             {\bidi@dbg@info{mac}%
2956             \if\bidi@defparam{#1}
2957                 {\bidi@dbg@info{prm}%
2958                 \bidi@ifscanable{#1}
2959                     {\bidi@dbg@info{tok}%
2960                     \bidi@dbg@info{pos}\@firstoftwo}
2961                     {\bidi@dbg@fail{tok}\@secondoftwo}}
2962                 {\bidi@dbg@info{prl}%
2963                 \if\bidi@defprotected{#1}
2964                     {\bidi@dbg@info{pro}}
2965                     {}%
2966                     \bidi@dbg@info{pos}\@firstoftwo}}
2967                 {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2968
2969 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2970     \bidi@dbg@trce\bidi@patchcmd
2971     \begingroup
2972     \@makeother\#%
2973     \bidi@@patchcmd}
2974
2975 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2976     \bidi@ifpatchable#2{#3}
2977         {\bidi@dbg@succ{ret}%
2978         \begingroup
2979         \edef\bidi@resrvda{%
2980             \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2981                 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2982             \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2983                 #####1\detokenize{#4}####2}%
2984             \edef\noexpand\bidi@resrvda{%
2985                 \noexpand\bidi@resrvda\meaning#2&}}%
2986         \bidi@resrvda
2987         \bidi@patchcmd@scantoks\bidi@resrvda
2988         \let#2\bidi@resrvda
2989         \bidi@undef\bidi@resrvda
2990         \@firstoftwo}
2991     {\@secondoftwo}}
2992
2993 \def\bidi@patchcmd@scantoks#1{%
2994     \edef\bidi@resrvda{\endgroup

```



```

2995 \unexpanded{\makeatletter\scantokens}{#1}%
2996 \catcode\number`\@=\the\catcode`\@ \relax}%
2997 \bidi@resrvda}
2998
2999 \newcommand\bidi@isloaded[2] [] {
3000 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3001 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3002 \fi
3003 \@ifpackageloaded{#2}
3004 {\csname @bidi@#2loaded@true\endcsname #1}
3005 {\csname @bidi@#2loaded@false\endcsname}}
3006
3007 \protected\def\bidi@ifscanable#1{%
3008 \begingroup
3009 \edef\bidi@resrvda{%
3010 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3011 ####1\def\string\bidi@resrvda####2{####3}}}%
3012 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3013 \bidi@resrvda
3014 \makeatletter
3015 \scantokens\expandafter{\bidi@resrvda}%
3016 \expandafter\endgroup\ifx#1\bidi@resrvda
3017 \expandafter\@firstoftwo
3018 \else
3019 \expandafter\@secondoftwo
3020 \fi}
3021
3022
3023 \protected\long\def\bidi@ifhashcheck#1{%
3024 \begingroup
3025 \edef\bidi@resrvda{\detokenize{#1}}%
3026 \expandafter\endgroup
3027 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3028
3029 \edef\bidi@ifhashcheck@i#1&{%
3030 \noexpand\expandafter
3031 \noexpand\bidi@ifhashcheck@ii
3032 \noexpand\strip@prefix#1\string#\string#&}
3033
3034 \edef\bidi@ifhashcheck@ii{%
3035 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&{
3036 \bidi@ifhashcheck@ii{\if@bidi@blank{##2}}}%
3037
3038
3039 \protected\long\def\bidi@ifpattern#1#2{%
3040 \begingroup
3041 \edef\bidi@resrvda{%
3042 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3043 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3044 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda

```



```

3045 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3046 \noexpand\bidi@resrvda}
3047 \bidi@resrvda\@secondoftwo\@firstoftwo}
3048
3049
3050 \newcommand{\if@bidi@defparam}{%
3051 \long\edef\if@bidi@defparam#1{%
3052 \noexpand\expandafter\noexpand\bidi@ifdefparam
3053 \noexpand\meaning#1\detokenize{macro}:->&}
3054 \edef\bidi@ifdefparam{%
3055 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3056 \bidi@ifdefparam{\bidi@notblank{#2}}
3057
3058
3059 \newcommand{\if@bidi@defprotected}{%
3060 \long\edef\if@bidi@defprotected#1{%
3061 \noexpand\expandafter\noexpand\bidi@ifdefprotected
3062 \noexpand\meaning#1\string\protected&}
3063 \edef\bidi@ifdefprotected{%
3064 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3065 \bidi@ifdefprotected{\bidi@notblank{#2}}
3066
3067
3068 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3069
3070 \let\bidi@dbg@trce\@gobble
3071 \let\bidi@dbg@init\@gobble
3072 \let\bidi@dbg@info\@gobble
3073 \let\bidi@dbg@succ\@gobble
3074 \let\bidi@dbg@fail\@gobble
3075
3076
3077
3078 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3079 \bidi@dbg@trce\bidi@apptocmd
3080 \begingroup
3081 \@makeother\#%
3082 \bidi@hooktocmd\bidi@append}
3083
3084
3085
3086 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3087 \bidi@dbg@trce\bidi@pretocmd
3088 \begingroup
3089 \@makeother\#%
3090 \bidi@hooktocmd\bidi@prepend}
3091
3092 \long\def\bidi@hooktocmd#1#2#3{%
3093 \endgroup
3094 \bidi@dbg@init#2%

```



```

3095 \if@bidi@undef{#2}
3096   {\bidi@dbg@fail{def}\@secondoftwo}
3097   {\bidi@dbg@info{def}%
3098     \if@bidi@defmacro{#2}
3099       {\bidi@dbg@info{mac}%
3100         \if@bidi@defparam{#2}
3101           {\bidi@dbg@info{prm}%
3102             \bidi@ifscanable{#2}
3103               {\bidi@ifhashcheck{#3}
3104                 {\bidi@dbg@info{tok}%
3105                   \bidi@dbg@succ{ret}%
3106                   \bidi@hooktocmd@i#1#2{#3}%
3107                   \@firstoftwo}
3108                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3109               {\bidi@dbg@fail{tok}\@secondoftwo}}
3110             {\bidi@dbg@info{prl}%
3111               \if@bidi@defprotected{#2}
3112                 {\bidi@dbg@info{pro}%
3113                   \bidi@dbg@succ{red}%
3114                   \protected}
3115                 {\bidi@dbg@succ{red}}}%
3116             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3117             \@firstoftwo}}
3118           {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3119
3120 \long\def\bidi@hooktocmd@i#1#2#3{%
3121   \begingroup
3122   \edef\bidi@resrvda{%
3123     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3124       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3125     \edef\noexpand\bidi@resrvda{%
3126       \noexpand\bidi@resrvda\meaning#2&}}%
3127   \bidi@resrvda
3128   \bidi@patchcmd@scantoks\bidi@resrvda
3129   \let#2\bidi@resrvda
3130   \bidi@undef\bidi@resrvda}
3131
3132 \long\def\bidi@append#1#2{#1#2}
3133 \long\def\bidi@prepend#1#2{#2#1}
3134
3135 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3136 \newcommand*{\bidi@endpreamblehook}{}
3137
3138 \bidi@preto\document{%
3139   \endgroup
3140   \let\bidi@AtEndPreamble\@firstofone
3141   \bidi@endpreamblehook
3142   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3143   \bidi@undef\bidi@endpreamblehook
3144   \begingroup}

```



```

3145
3146 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3147 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3148
3149 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3150 \newcommand*{\bidi@afterendpreamblehook}{\}
3151
3152 \bidi@appto\document{%
3153   \let\bidi@AfterEndPreamble\@firstofone
3154   \bidi@afterendpreamblehook
3155   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3156   \bidi@undef\bidi@afterendpreamblehook
3157   \ignorespaces}
3158
3159 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3160
3161 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3162 \newcommand*{\bidi@afterenddocumenthook}{\}
3163
3164 \bidi@patchcmd\enddocument
3165   {\deadcycles}
3166   {\let\bidi@AfterEndDocument\@firstofone
3167    \bidi@afterenddocumenthook
3168    \deadcycles}
3169   {}
3170   {\let\bidi@@end\@@end
3171    \def\@@end{%
3172      \let\bidi@AfterEndDocument\@firstofone
3173      \bidi@afterenddocumenthook
3174      \bidi@@end}}
3175
3176 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3177   \bidi@csgappto{\bidi@begin@#1@hook}}
3178
3179 \bidi@patchcmd\begin
3180   {\csname #1\endcsname}
3181   {\bidi@csuse{\bidi@begin@#1@hook}%
3182    \csname #1\endcsname}
3183   {}
3184   {\bidi@warning{%
3185     Patching '\string\begin' failed!\MessageBreak
3186     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3187
3188
3189
3190 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3191   \bidi@csgappto{\bidi@end@#1@hook}}
3192
3193 \bidi@patchcmd\end
3194   {\csname end#1\endcsname}

```



```

3195 {\bidi@csuse{@bidi@end@#1@hook}%
3196 \csname end#1\endcsname}
3197 {}
3198 {\bidi@warning{%
3199     Patching '\string\end' failed!\MessageBreak
3200     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3201
3202
3203
3204 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3205     \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3206
3207 \bidi@pretocmd\begin
3208     {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3209     {}
3210     {\bidi@warning{%
3211         Patching '\string\begin' failed!\MessageBreak
3212         '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3213
3214
3215
3216 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3217     \bidi@csgappto{@bidi@afterend@#1@hook}}
3218
3219 \bidi@patchcmd\end
3220     {\if@ignore}
3221     {\bidi@csuse{@bidi@afterend@#1@hook}%
3222     \if@ignore}
3223     {}
3224     {\bidi@warning{%
3225         Patching '\string\end' failed!\MessageBreak
3226         '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3227
3228 \CheckCommand{\InputIfFileExists}[2]{%
3229     \IfFileExists{#1}%
3230     {#2\@addtofilelist{#1}\@input \@filef@und}}
3231
3232 \renewcommand{\InputIfFileExists}[2]{%
3233     \begingroup\expandafter\expandafter\expandafter\endgroup
3234     \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3235     \expandafter\@secondoftwo
3236     \else
3237     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3238     \expandafter\@firstoftwo
3239     \fi
3240     {%
3241     \expandafter\InputIfFileExists\expandafter{\csname
3242     #1-@bidi@alias\endcsname}{#2}%
3243     }%
3244     {\IfFileExists{#1}{%

```



```

3245     \bidi@load@hook{before}{#1}%
3246     #2\@addtofilelist{#1}%
3247     \@@input \@filef@und
3248     \bidi@load@hook{after}{#1}%
3249   }}%
3250 }
3251
3252 \newcommand*{\bidi@@loadwithoptions}{%
3253 \newcommand*{\bidi@loadwithoptions}{%
3254 \let\bidi@loadwithoptions\@loadwithoptions
3255
3256 \renewcommand*{\@loadwithoptions}[3]{%
3257   \begingroup\expandafter\expandafter\expandafter\endgroup
3258   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3259     \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3260   \else
3261     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3262     \def\bidi@@loadwithoptions{%
3263       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3264   }%
3265   \fi
3266   \bidi@@loadwithoptions
3267 }
3268
3269 \newcommand*{\bidi@onefilewithoptions}{%
3270 \let\bidi@onefilewithoptions\@onefilewithoptions
3271 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
3272   \begingroup\expandafter\expandafter\expandafter\endgroup
3273   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3274     \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3275   \else
3276     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3277     \edef\bidi@@onefilewithoptions{%
3278       \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3279   \fi
3280   \bidi@@onefilewithoptions[#{#2}][#{#3}]{#4}%
3281   \bidi@load@hook{lateafter}{#1.#4}%
3282 }
3283
3284 \newcommand*{\bidi@ReplaceInput}[2]{%
3285   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3286 }
3287
3288 \newcommand*{\bidi@UnReplaceInput}[1]{%
3289   \ifcsname #1-@bidi@alias\endcsname
3290     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3291   \fi
3292 }
3293
3294 \newcommand*{\@bidi@replacefilewithext}[3]{%

```



```

3295 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3296 }
3297 \newcommand*{\bidi@ReplacePackage}[2]{%
3298 \bidi@replacefilewithext{#1}{#2}\@pkgextension
3299 }
3300 \newcommand*{\bidi@ReplaceClass}[2]{%
3301 \bidi@replacefilewithext{#1}{#2}\@clsextension
3302 }
3303 \newcommand*{\bidi@unreplacefilewithext}[2]{%
3304 \ifcsname #1.#2-@bidi@aliasname\endcsname
3305 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3306 \fi
3307 }
3308 \newcommand*{\bidi@UnReplacePackage}[1]{%
3309 \bidi@unreplacefilewithext{#1}\@pkgextension
3310 }
3311 \newcommand*{\bidi@UnReplaceClass}[1]{%
3312 \bidi@unreplacefilewithext{#1}\@clsextension
3313 }
3314 \newcommand*{\bidi@replacefile@msg}[2]{%
3315 \PackageInfo{bidiutils}{inputing `#1' instead of `#2'}%
3316 }
3317
3318 \newcommand*{\bidi@load@hook}[2]{%
3319 \@ifundefined{#2-@#1}{%
3320 \nameuse{#2-@#1}%
3321 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3322 \newcommand*{\bidi@set@load@hook}[2]{%
3323 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
3324 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3325 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3326 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3327 \newcommand*{\bidi@BeforeClass}[1]{%
3328 \bidi@set@load@hook{before}{#1.\@clsextension}}
3329 \newcommand*{\bidi@AfterClass}{%
3330 \@ifstar {\@s@bidi@AfterClass}{%
3331 \@ifnextchar +\@@bidi@AfterClass{%
3332 \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3333 }%
3334 }%
3335 }
3336
3337 \newcommand*{\@@@bidi@AfterClass}[2]{%
3338 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3339 \aftergroup\@s@bidi@AfterClass
3340 \else
3341 \aftergroup\bidi@AfterAtEndOfClass
3342 \fi
3343 \endgroup{#2}%
3344 }

```





```

3345
3346 \newcommand*{\@bidi@AfterAtEndOfClass}[1]{%
3347   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3348 \newcommand*{\@bidi@AfterClass}[2]{%
3349   \begingroup
3350     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3351       \aftergroup\@s@bidi@AfterClass
3352     \else
3353       \aftergroup\@bidi@AfterClass
3354     \fi
3355   \endgroup{#2}}%
3356 }
3357
3358 \newcommand*{\@bidi@AfterClass}[1]{%
3359   \bidi@set@load@hook{after}{#1.\@clsextension}}
3360 \newcommand*{\@s@bidi@AfterClass}[1]{%
3361   \begingroup
3362     \@ifclassloaded{#1}{%
3363       \aftergroup\@secondoftwo
3364     }{%
3365       \aftergroup\@bidi@AfterClass
3366     }%
3367   \endgroup
3368   {#1}}%
3369 }
3370
3371
3372 \newcommand*{\@bidi@BeforePackage}[1]{%
3373   \bidi@set@load@hook{before}{#1.\@pkgextension}}
3374 \newcommand*{\@bidi@AfterPackage}{%
3375   \@ifstar {\@s@bidi@AfterPackage}{%
3376     \@ifnextchar +\@bidi@AfterPackage{%
3377       \@ifnextchar !\@bidi@AfterPackage\@bidi@AfterPackage
3378     }%
3379   }%
3380 }
3381 \newcommand*{\@bidi@AfterPackage}[2]{%
3382   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3383     \aftergroup\@s@bidi@AfterPackage
3384   \else
3385     \aftergroup\@bidi@AfterAtEndOfPackage
3386   \fi
3387   \endgroup{#2}}%
3388 }
3389 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3390   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3391 \newcommand*{\@bidi@AfterPackage}[2]{%
3392   \begingroup
3393     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3394       \aftergroup\@s@bidi@AfterPackage

```



```

3395 \else
3396 \aftergroup\@bidi@AfterPackage
3397 \fi
3398 \endgroup{#2}%
3399 }
3400 \newcommand*{\@bidi@AfterPackage}[1]{%
3401 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3402 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3403 \begingroup
3404 \ifpackage@loaded{#1}{%
3405 \aftergroup\@secondoftwo
3406 }{%
3407 \aftergroup\@bidi@AfterPackage
3408 }%
3409 \endgroup
3410 {#1}%
3411 }
3412
3413 \newcommand*{\bidi@excludedpackages}{}
3414 \let\bidi@excludedpackages\@empty
3415 \newcommand*{\bidi@s@ved@RequirePackage}{}
3416 \newcommand*{\bidi@PreventPackageFromLoading}{%
3417 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3418 {\@bidi@PreventPackageFromLoading\PackageWarning}%
3419 }
3420 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3421 \@ifnextchar [%]
3422 {\@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1[]}%
3423 }
3424 \newcommand*{\@@bidi@PreventPackageFromLoading}{}
3425
3426 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
3427 \edef\reserved@b{\zap@space#3 \@empty}%
3428 \ifx \reserved@b\@empty
3429 #1{bidi@tools}{%
3430 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3431 argument ignored%
3432 }%
3433 \else
3434 \ifx\bidi@excludedpackages\@empty
3435 \let\bidi@s@ved@RequirePackage\RequirePackage
3436 \let\RequirePackage\bidi@RequirePackage
3437 \def\reserved@a##1##{%
3438 \@latex@error
3439 {\noexpand \usepackage before \string\documentclass}%
3440 {\noexpand \usepackage may only appear in the document
3441 preamble, i.e.,\MessageBreak
3442 between \noexpand\documentclass and
3443 \string\begin{document}.}%
3444 \@gobble}%

```



```

3445 \ifx\reserved@a\usepackage\else
3446 \ifx\usepackage\bidisaved@RequirePackage\else
3447 \PackageWarning{biditools}{%
3448     Maybe serious problem: unexpected definition of\MessageBreak
3449     \string\usepackage
3450 }%
3451 \fi
3452 \let\usepackage\RequirePackage
3453 \fi
3454 \fi
3455 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3456 \reserved@b\do {%
3457     \ifx\reserved@a@empty
3458         #1{biditools}{%
3459             empty package argument for
3460             \string\bidis@PreventPackageFromLoading\MessageBreak
3461             ignored%
3462         }%
3463     \else
3464         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3465             #1{biditools}{%
3466                 package '\reserved@a' already loaded.\MessageBreak
3467                 Cannot prevent it from being loaded%
3468             }%
3469         }{%
3470             \edef\bidis@excludedpackages{\bidis@excludedpackages,%
3471                 \reserved@a}%
3472             \if\relax\detokenize{#2}\relax\else
3473                 \@ifundefined{bidis@exclude@package@\reserved@a @do}{%
3474                     \@namedef{bidis@exclude@package@\reserved@a @do}{}%
3475                 }{%
3476                     \expandafter\def
3477                     \csname bidis@exclude@package@\reserved@a
3478                         @do\expandafter\expandafter\expandafter\endcsname
3479                     \expandafter\expandafter\expandafter{%
3480                         \csname bidis@exclude@package@\reserved@a @do\endcsname
3481                         #2%
3482                     }%
3483                 \fi
3484             }%
3485         \fi
3486     }%
3487     \ifx\bidis@excludedpackages@empty
3488         \bidis@ResetPreventPackageFromLoading
3489     \fi
3490 \fi
3491 }
3492
3493 \@onlypreamble\bidis@PreventPackageFromLoading
3494 \newcommand*{\bidis@ResetPreventPackageFromLoading}{%

```



```

3495 \let\bidix@excludedpackages\@empty
3496 \ifx\RequirePackage\bidix@RequirePackage
3497 \ifx\usepackage\RequirePackage
3498 \let\usepackage\bidix@savex@RequirePackage
3499 \fi
3500 \let\RequirePackage\bidix@savex@RequirePackage
3501 \fi
3502 }
3503 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3504 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
3505 \let#1\bidix@excludedpackages
3506 }
3507 \@onlypreamble\bidix@StorePreventPackageFromLoading
3508 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3509 \@ifstar {\@tempwatrue\bidix@UnPreventPackageFromLoading}%
3510 {\@tempwafalse\bidix@UnPreventPackageFromLoading}%
3511 }
3512
3513 \newcommand*{\bidix@UnPreventPackageFromLoading}[1]{%
3514 \edef\reserved@a{\zap@space#1 \@empty}%
3515 \if@tempwa
3516 \@for\reserved@a:=\reserved@a\do {%
3517 \ifx\reserved@a\@empty \else
3518 \ifcsname bidix@exclude@package@\reserved@a @do\endcsname
3519 \expandafter\let
3520 \csname bidix@exclude@package@\reserved@a @do\endcsname
3521 \undefined
3522 \fi
3523 \fi
3524 }%
3525 \fi
3526 \ifcsname bidix@excludedpackages\endcsname
3527 \let\reserved@a\bidix@excludedpackages
3528 \let\bidix@excludedpackages\@empty
3529 \expandafter\@for\expandafter\reserved@c
3530 \expandafter:\expandafter=\reserved@a
3531 \do{%
3532 \ifx\reserved@c\@empty\else
3533 \@expandtwoargs\in{,\reserved@c,}{,\reserved@a,}%
3534 \ifin@
3535 \else
3536 \edef\bidix@excludedpackages{%
3537 \bidix@excludedpackages,\reserved@c
3538 }%
3539 \fi
3540 \fi
3541 }%
3542 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3543 \fi
3544 }

```



```

3545
3546
3547 \newcommand*{\bidi@RequirePackage}[2][{}]{%
3548   \let\reserved@c\@empty
3549   \let\reserved@d\@empty
3550   \edef\reserved@b{\zap@space#2 \@empty}%
3551   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3552   \do {%
3553     \begingroup
3554     \@tempswatrue
3555     \@for\reserved@a=\bidi@excludedpackages\do {%
3556       \ifx\reserved@a\reserved@b
3557         \@tempswafalse
3558       \fi
3559     }%
3560     \if@tempswa
3561       \xdef\reserved@c{\reserved@c,\reserved@b}%
3562     \else
3563       \ifx\reserved@b\@empty\else
3564         \PackageInfo{bidiutils}{Excluding package `'\reserved@b'\MessageBreak
3565           from loading}%
3566         \ifundefined{bidi@exclude@package@\reserved@b @do}{%
3567           }{%
3568             \expandafter\g@addto@macro\expandafter\reserved@d
3569             \csname bidi@exclude@package@\reserved@b @do\endcsname
3570           }%
3571         \fi
3572       \fi
3573     \endgroup
3574   }%
3575   \ifx\reserved@c\@empty
3576     \let\reserved@a\bidi@gobbleopt
3577   \else
3578     \edef\reserved@a{\noexpand\bidi@saves@RequirePackage[#1]{%
3579       \expandafter\@gobble\reserved@c\@empty}}%
3580   \fi
3581   \expandafter\reserved@d
3582   \reserved@a
3583 }
3584
3585 \newcommand{\bidi@gobbleopt}[1][{}]{%
3586 \AtEndDocument{%
3587   \let\bidi@saves@checkend=\@checkend
3588   \renewcommand*{\@checkend}[1]{%
3589     \def\reserved@a{#1}\def\reserved@b{document}%
3590     \bidi@saves@checkend{#1}%
3591     \ifx\reserved@a\reserved@b
3592       \let\bidi@saves@clearpage=\clearpage
3593       \renewcommand*{\clearpage}{\bidi@saves@clearpage
3594         \bidi@hook@bcma

```



```

3595         \bidi@restore@newpage
3596         \let\clearpage=\bidi@saved@clearpage}%
3597     \fi%
3598     \let\bidi@saved@dofilelist\@dofilelist
3599     \def\@dofilelist{%
3600         \bidi@hook@acma
3601         \let\@dofilelist\bidi@saved@dofilelist
3602         \bidi@saved@dofilelist
3603     }%
3604 }%
3605 }
3606
3607
3608 \newcommand*{\bidi@saved@checkend}{%}
3609 \newcommand*{\bidi@saved@dofilelist}{%}
3610 \newcommand*{\bidi@redefine@newpage}{%}
3611     \let\bidi@saved@newpage\newpage
3612     \def\bidi@restore@newpage{%
3613         \renewcommand*{\newpage}{%
3614             \PackageWarningNoLine{%
3615                 biditools%
3616             }{%
3617                 \string\newpage\space at main aux file!\MessageBreak
3618                 You have output material at the main aux file.\MessageBreak
3619                 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3620                 are processed before the output from aux file%
3621             }%
3622             \let\newpage\bidi@saved@newpage
3623             \newpage
3624         }%
3625     }%
3626     \renewcommand*{\newpage}{%
3627         \PackageError{%
3628             biditools%
3629         }{%
3630             \string\newpage\space at \string\bidi@BeforeClosingMainAux
3631         }{%
3632             You should never use \string\newpage\space or
3633             \string\clear(double)page or other output material at the\MessageBreak
3634             argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3635             If you'll continue, the \string\newpage\space will be ignored to
3636             avoid corruption of\MessageBreak
3637             every prior use of \string\bidi@BeforeClosingMainAux.
3638         }%
3639     }%
3640 }
3641
3642 \newcommand*{\bidi@restore@newpage}{%}
3643 \newcommand*{\bidi@hook@bcma}{%}
3644 \newcommand*{\bidi@hook@acma}{%}

```



```

3645 \newcommand*{\bidi@BeforeClosingMainAux}{%
3646   \ifx\bidi@hook@bcma\@empty
3647     \gdef\bidi@hook@bcma{%
3648       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
3649       \let\protected@write\bidi@protected@immediate@write
3650       \bidi@redefine@newpage
3651     }%
3652   \fi
3653   \g@addto@macro\bidi@hook@bcma%
3654 }
3655
3656 \newcommand*{\bidi@AfterReadingMainAux}{%
3657   \ifx\bidi@hook@acma\@empty
3658     \gdef\bidi@hook@acma{%
3659       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
3660       \let\protected@write\bidi@protected@immediate@write
3661     }%
3662   \fi
3663   \g@addto@macro\bidi@hook@acma%
3664 }
3665
3666 \long\def\bidi@protected@immediate@write#1#2#3{%
3667   \begingroup
3668     #2%
3669     \let\protect\@unexpandable@protect
3670     \edef\reserved@a{\immediate\write#1{#3}}%
3671     \reserved@a
3672   \endgroup
3673   \if@nobreak\ifvmode\nobreak\fi\fi
3674 }
3675
3676 \def\bidi@patch@counter{0}%
3677 \if\bidi@csundef{numexpr}{%
3678   \def\bidi@patch@stepcounter{%
3679     \begingroup
3680       \count@\bidi@patch@counter\relax
3681       \advance\count@\@ne\relax
3682     \edef\x{\endgroup
3683       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
3684     }%
3685     \x
3686   }%
3687 }{%
3688   \def\bidi@patch@stepcounter{%
3689     \edef\bidi@patch@counter{%
3690       \the\numexpr\bidi@patch@counter+\@ne\relax
3691     }%
3692   }%
3693 }
3694 \def\bidi@patch@list{}

```



```

3695 \def\bidipatch@Add{%
3696   \bidipatch@list
3697 }
3698 \def\bidipatch@AfterPackage#1{%
3699   \ifpackageloaded{#1}{%
3700     \@firstofone
3701   }{%
3702     \bidipatch@AfterPackage{#1}%
3703   }%
3704 }
3705 \def\bidipatch@AfterPackage#1{%
3706   \edef\bidipatch@temp{#1}%
3707   \bidipatch@stepcounter
3708   \expandafter\bidipatch@@AfterPackage
3709   \csname bidipatch@\bidipatch@counter\expandafter\endcsname{%
3710     \bidipatch@temp
3711   }%
3712 }
3713 \def\bidipatch@@AfterPackage#1#2#3{%
3714   \begingroup
3715     \toks@{#3}%
3716     \xdef\bidipatch@gtemp{%
3717       \noexpand\ifpackageloaded{#2}{%
3718         \noexpand\let\noexpand#1\noexpand\relax
3719         \the\toks@
3720       }{}%
3721     }%
3722   \endgroup
3723   \let#1\bidipatch@gtemp
3724   \bidipatch@Add#1%
3725   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3726 }
3727
3728 \def\bidipatch@try#1#2#3{%
3729   \if@bidicsundef{#1}{%
3730     \csname #1\endcsname{#2}{#3}%
3731   }%
3732 }
3733
3734 \AtBeginDocument{\bidipatch@list}
3735
3736 \bidipatch@AtEndPreamble{\bidipatch@list}%
3737
3738 \bidipatch@AfterEndPreamble{%
3739   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
3740   \let\bidipatch@OrgIfPackageLater\ifpackagelater
3741   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
3742   \let\bidipatch@OrgIfClassLater\ifclasslater
3743   \bidipatch@list
3744   \let\ifpackageloaded\bidipatch@OrgIfPackageLoaded

```





```

3745 \let\@ifpackagelater\@bidi@patch@OrgIfPackageLater
3746 \let\@ifclassloaded\@bidi@patch@OrgIfClassLoaded
3747 \let\@ifclasslater\@bidi@patch@OrgIfClassLater
3748 }%

```

## 7.23 bidiutfefloat.sty

```

3749 \NeedsTeXFormat{LaTeX2e}
3750 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3751 bidi implementation of tufte float]
3752 \RequirePackage{xifthen}
3753 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3754 \newcommand{\@bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3755 \newcommand{\@bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3756 \newcommand{\@bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3757 \newboolean{\@bidiutfefloat@RTLgeometry}
3758 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3759 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3760 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3761 \newboolean{\@bidiutfefloat@a4paper}
3762 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3763 \newboolean{\@bidiutfefloat@b5paper}
3764 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3765 \newboolean{\@bidiutfefloat@symmetric}
3766 \newboolean{\@bidiutfefloat@twoside}
3767 \DeclareOption{twoside}{%
3768 \@twosidetrue \mparswitchtrue%
3769 \setboolean{\@bidiutfefloat@twoside}{true}%
3770 \setboolean{\@bidiutfefloat@symmetric}{true}%
3771 }
3772 \DeclareOption{oneside}{%
3773 \@twosidefalse \mparswitchfalse%
3774 \setboolean{\@bidiutfefloat@twoside}{false}%
3775 \setboolean{\@bidiutfefloat@symmetric}{false}%
3776 }
3777 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3778 \newboolean{\@bidiutfefloat@debug}
3779 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3780 \ProcessOptions
3781 %% Globally sets the length
3782 \newcommand*{\gsetlength}[2]{%
3783 \setlength{#1}{#2}%
3784 \global#1=#1\relax%
3785 }
3786 %% Globally sets a boolean
3787 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3788 \lowercase{\def\@tempa{#2}}%
3789 \@ifundefined{\@tempa}{\@tempa}%
3790 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}{\@ehc}%
3791 {\@ifundefined{#1\@tempa}%

```



```

3792     {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3793     {\global\csname#1\@tempa\endcsname}%
3794     }%
3795 }
3796 %% Set the font sizes and baselines to match bidentefloat's books
3797 \renewcommand\normalsize{%
3798     \@setfontsize\normalsize\@xpt{14}%
3799     \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3800     \abovedisplayshortskip \z@ \@plus3\p@
3801     \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3802     \belowdisplayskip \abovedisplayskip
3803     \let\@listi\@listI}
3804 \normalbaselineskip=14pt
3805 \normalsize
3806 \renewcommand\footnotesize{%
3807     \@setfontsize\footnotesize\viipt{10}%
3808     \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3809     \abovedisplayshortskip \z@ \@plus\p@
3810     \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3811     \def\@listi{\leftmargin\leftmarginI
3812         \topsep 3\p@ \@plus\p@ \@minus\p@
3813         \parsep 2\p@ \@plus\p@ \@minus\p@
3814         \itemsep \parsep}%
3815     \belowdisplayskip \abovedisplayskip
3816 }
3817 %% Paragraph indentation and separation for marginal text
3818 \newcommand{\@bidentefloat@margin@par}{%
3819     \setlength{\RaggedRightParindent}{0.5pc}%
3820     \setlength{\JustifyingParindent}{0.5pc}%
3821     \setlength{\parindent}{0.5pc}%
3822     \setlength{\parskip}{0pt}%
3823 }
3824 \RequirePackage{ragged2e}
3825 \ifthenelse{\boolean{@bidentefloat@RTLgeometry}}{%
3826 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
3827 \ifthenelse{\boolean{@bidentefloat@afourpaper}}{
3828     {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
3829     {}
3830 \ifthenelse{\boolean{@bidentefloat@bfivepaper}}{
3831     {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
3832     {}
3833 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=0.5in]{geometry}
3834 \ifthenelse{\boolean{@bidentefloat@afourpaper}}{
3835     {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=0.5in}}
3836     {}
3837 \ifthenelse{\boolean{@bidentefloat@bfivepaper}}{
3838     {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar=0.5in}}
3839     {}
3840 \ifthenelse{\boolean{@bidentefloat@symmetric}}{
3841     {}

```



```

3842 {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3843 \setlength\marginparpush{10pt}
3844 %% Font for margin items
3845 \newcommand{\@bidiutfefloat@marginfont}{\normalfont\footnotesize}
3846 \newcommand*{\@bidiutfefloat@caption@font}{\@bidiutfefloat@marginfont}
3847 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bidiutfefloat@caption@font}{#1}}
3848 \newcommand{\@bidiutfefloat@justification}{\justifying}%
3849 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3850 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3851 \newboolean{@bidiutfefloat@changepage}
3852 \IfFileExists{changepage.sty}{%
3853   \bidiutfefloatDebugInfoNL{Found changepage.sty}
3854   \RequirePackage[strict]{changepage}
3855   \setboolean{@bidiutfefloat@changepage}{true}
3856 }{%
3857   \bidiutfefloatDebugInfoNL{Found chngpage.sty}
3858   \RequirePackage[strict]{chngpage}
3859   \setboolean{@bidiutfefloat@changepage}{false}
3860 }
3861 \newboolean{@bidiutfefloat@odd@page}
3862 \setboolean{@bidiutfefloat@odd@page}{true}
3863 \newcommand*{\@bidiutfefloat@checkoddpag}{%
3864   \checkoddpag%
3865   \ifthenelse{\boolean{@bidiutfefloat@changepage}}{%
3866     \ifoddpag%
3867       \setboolean{@bidiutfefloat@odd@page}{true}%
3868     \else%
3869       \setboolean{@bidiutfefloat@odd@page}{false}%
3870     \fi%
3871   }{%
3872     \ifcpoddpag%
3873       \setboolean{@bidiutfefloat@odd@page}{true}%
3874     \else%
3875       \setboolean{@bidiutfefloat@odd@page}{false}%
3876     \fi%
3877   }%
3878 }
3879 \newlength{\@bidiutfefloat@overhang}% used by the fullwidth environment and the running heads
3880 \newlength{\@bidiutfefloat@fullwidth}
3881 \newlength{\@bidiutfefloat@caption@fill}
3882 \newcommand{\@bidiutfefloatRecalculate}{%
3883   \setlength{\@bidiutfefloat@overhang}{\marginparwidth}
3884   \addtolength{\@bidiutfefloat@overhang}{\marginparsep}
3885
3886   \setlength{\@bidiutfefloat@fullwidth}{\textwidth}
3887   \addtolength{\@bidiutfefloat@fullwidth}{\marginparsep}
3888   \addtolength{\@bidiutfefloat@fullwidth}{\marginparwidth}
3889
3890   \setlength{\@bidiutfefloat@caption@fill}{\textwidth}
3891   \addtolength{\@bidiutfefloat@caption@fill}{\marginparsep}

```



```

3892 }
3893 \AtBeginDocument{\bidiutefloatRecalculate}
3894 \RequirePackage{optparams}% provides multiple optional arguments for commands
3895 \RequirePackage{placeins}
3896 \newsavebox{\@bidiutefloat@margin@floatbox}
3897 \newenvironment{@bidiutefloat@margin@float}[2][{-1.2ex}%
3898   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3899   \begin{lrbox}{\@bidiutefloat@margin@floatbox}%
3900   \begin{minipage}{\marginparwidth}%
3901     \@bidiutefloat@caption@font%
3902     \def\@captype{#2}%
3903     \hbox{\vspace*{#1}%
3904     \@bidiutefloat@caption@justification%
3905     \@bidiutefloat@margin@par%
3906     \noindent%
3907   }
3908   {\end{minipage}%
3909   \end{lrbox}%
3910   \marginpar{\usebox{\@bidiutefloat@margin@floatbox}}}%
3911 }
3912 \newenvironment{marginfigure}[1][{-1.2ex}%
3913   {\begin{@bidiutefloat@margin@float}[#1]{figure}}
3914   {\end{@bidiutefloat@margin@float}}
3915 \newenvironment{margintable}[1][{-1.2ex}%
3916   {\begin{@bidiutefloat@margin@float}[#1]{table}}
3917   {\end{@bidiutefloat@margin@float}}
3918 \newcommand*{\@bidiutefloat@justification@autodetect}{\justifying}%
3919
3920 \newcommand{\@bidiutefloat@float@debug@info}{}% contains debug info generated as the float is
3921 \newcommand{\@bidiutefloat@float@debug}[1]{% adds debug info to the queue for output
3922   \ifthenelse{\equal{\@bidiutefloat@float@debug@info}{}}%
3923     {\def\@bidiutefloat@float@debug@info{#1}}%
3924     {\g@addto@macro\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
3925 }
3926 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3927 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutefloat@float@debug
3928 \newboolean{@bidiutefloat@float@recto}
3929 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutefloat@float@recto}{true}\@bidiutefloat
3930 \newcommand{\forceversofloat}{\gsetboolean{@bidiutefloat@float@recto}{false}\@bidiutefloat
3931 \newsavebox{\@bidiutefloat@figure@box}
3932 \newsavebox{\@bidiutefloat@caption@box}
3933 \let\@bidiutefloat@orig@float\@float
3934 \let\@bidiutefloat@orig@endfloat\endfloat
3935 \newlength{\@bidiutefloat@caption@vertical@offset}
3936 \setlength{\@bidiutefloat@caption@vertical@offset}{0pt}
3937 \newcommand{\@bidiutefloat@stored@shortcaption}{\@}
3938 \newcommand{\@bidiutefloat@stored@caption}{\@}
3939 \newcommand{\@bidiutefloat@stored@label}{\@}
3940 \long\def\@bidiutefloat@caption[#1][#2]#3{%
3941   \ifthenelse{\isempty{#1}}%

```



```

3942     {\gdef\@bidiutfefloat@stored@shortcaption{#3}}%
3943     {\gdef\@bidiutfefloat@stored@shortcaption{#1}}%
3944     \gsetlength{\@bidiutfefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3945     \gdef\@bidiutfefloat@stored@caption{#3}%
3946 }
3947 \newcommand{\@bidiutfefloat@label}[1]{%
3948   \gdef\@bidiutfefloat@stored@label{#1}%
3949 }
3950 \newcommand{\@bidiutfefloat@fps}{%
3951   \newboolean{\@bidiutfefloat@float@star}%
3952   \newlength{\@bidiutfefloat@float@contents@width}%
3953   \newenvironment{\@bidiutfefloat@float}[3][htbp]%
3954     {% begin \@bidiutfefloat@float
3955       % Should this float be full-width or just text-width?
3956       \ifthenelse{\equal{#3}{star}}{%
3957         {\gsetboolean{\@bidiutfefloat@float@star}{true}}%
3958         {\gsetboolean{\@bidiutfefloat@float@star}{false}}%
3959       % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3960       \@bidiutfefloat@checkoddpag%
3961       \ifthenelse{\boolean{\@bidiutfefloat@odd@page}}{%
3962         {\gsetboolean{\@bidiutfefloat@float@recto}{true}}\@bidiutfefloat@float@debug{Detected page
3963         {\gsetboolean{\@bidiutfefloat@float@recto}{false}}\@bidiutfefloat@float@debug{Detected pag
3964       % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3965       \renewcommand{\@bidiutfefloat@fps}{#1}%
3966       \@bidiutfefloat@float@debug{Allowed positions: [ #1 ]}%
3967       \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3968         {\renewcommand{\floatalignment}{b}}\@bidiutfefloat@float@debug{Presumed position: [bottom]
3969         {\renewcommand{\floatalignment}{t}}\@bidiutfefloat@float@debug{Presumed position: [top]}}%
3970       % Capture the contents of the \caption and \label commands to use later
3971       \global\let\@bidiutfefloat@orig@caption\caption%
3972       \global\let\@bidiutfefloat@orig@label\label%
3973       \renewcommand{\caption}{\optparams{\@bidiutfefloat@caption}{[ ] [Opt]}}%
3974       \renewcommand{\label}[1]{\@bidiutfefloat@label{##1}}%
3975       % Handle subfigure package compatibility
3976       \ifthenelse{\boolean{\@bidiutfefloat@packages@subfigure}}{%
3977         % don't move the label while inside a \subfigure or \subtable command
3978         \global\let\label\@bidiutfefloat@orig@label%
3979       }% subfigure package is not loaded
3980       \@bidiutfefloat@orig@float{#2}[#1]%
3981       \ifthenelse{\boolean{\@bidiutfefloat@float@star}}{%
3982         {\setlength{\@bidiutfefloat@float@contents@width}{\@bidiutfefloat@fullwidth}}%
3983         {\setlength{\@bidiutfefloat@float@contents@width}{\textwidth}}%
3984       \begin{lrbox}{\@bidiutfefloat@figure@box}%
3985       \begin{minipage}{\floatalignment}\@bidiutfefloat@float@contents@width\hbox{}%
3986   }{% end \@bidiutfefloat@float
3987     \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3988     \end{minipage}%
3989     \end{lrbox}%
3990     % build the caption box
3991     \begin{lrbox}{\@bidiutfefloat@caption@box}%

```



```

3992     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
3993     \ifthenelse{\NOT\equal{\@bidiutefloat@stored@caption}}{\@bidiutefloat@orig@caption
3994     \ifthenelse{\NOT\equal{\@bidiutefloat@stored@label}}{\@bidiutefloat@orig@label{\@b
3995         \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3996     \end{minipage}%
3997 \end{lrbox}%
3998 % now typeset the stored boxes
3999 \begin{fullwidth}%
4000     \begin{minipage}[\floatalignment]{\linewidth}%
4001         \ifthenelse{\boolean{@bidiutefloat@float@star}}%
4002             {\@bidiutefloat@float@fullwidth[\@bidiutefloat@caption@vertical@offset]{\@bidiutef
4003             {\@bidiutefloat@float@textwidth[\@bidiutefloat@caption@vertical@offset]{\@bidiutef
4004         \end{minipage}%
4005     \end{fullwidth}%
4006 \@bidiutefloat@orig@endfloat% end original LaTeX float environment
4007 % output debug info
4008 \ifthenelse{\boolean{@bidiutefloat@debug}}{%
4009 \typeout{^^J^^J----- bidiutefloat package float information -----}%
4010     \ifthenelse{\equal{\@bidiutefloat@stored@label}}{%
4011         {\typeout{Warning: Float unlabeled!}}%
4012         {\typeout{Float label: [\@bidiutefloat@stored@label]}}%
4013     \typeout{Page number: [\thepage]}%
4014     \def\MessageBreak{^^J}%
4015     \typeout{\@bidiutefloat@float@debug@info}%
4016     \ifthenelse{\boolean{@bidiutefloat@symmetric}}%
4017         {\typeout{Symmetric: [true]}}%
4018         {\typeout{Symmetric: [false]}}%
4019 \typeout{-----^^J^^J}%
4020 }}%
4021 % reset commands and temp boxes and captions
4022 \gdef\@bidiutefloat@float@debug@info{%
4023 \let\caption\@bidiutefloat@orig@caption%
4024 \let\label\@bidiutefloat@orig@label%
4025 \begin{lrbox}{\@bidiutefloat@figure@box}\hbox{}\end{lrbox}%
4026 \begin{lrbox}{\@bidiutefloat@caption@box}\hbox{}\end{lrbox}%
4027 \gdef\@bidiutefloat@stored@shortcaption{}%
4028 \gdef\@bidiutefloat@stored@caption{}%
4029 \gdef\@bidiutefloat@stored@label{}%
4030 \gsetlength{\@bidiutefloat@caption@vertical@offset}{0pt}% reset caption offset
4031 }
4032 \newcommand{\@bidiutefloat@float@textwidth}[3][0pt]{%
4033 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}{\OR\boolean{@bidiutefloat@float@recto}}%
4034 % asymmetric or page is odd, so caption is on the right
4035 \hbox{%
4036     \usebox{#2}%
4037     \hspace{\marginparsep}%
4038     \smash{\raisebox{#1}{\usebox{#3}}}%
4039 }
4040 \@bidiutefloat@float@debug{Caption position: [right]}%
4041 }% symmetric pages and page is even, so caption is on the left

```



```

4042 \hbox{%
4043 \smash{\raisebox{#1}{\usebox{#3}}}%
4044 \hspace{\marginparsep}%
4045 \usebox{#2}%
4046 }
4047 \@biditytfloat@float@debug{Caption position: [left]}%
4048 }%
4049 }
4050 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4051 \ifthenelse{equal{\floatalignment}{b}}{%
4052 {% place caption above figure
4053 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
4054 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Cap
4055 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Cap
4056 }% place caption below figure
4057 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
4058 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
4059 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
4060 }%
4061 }
4062 \renewenvironment{figure}[1][htbp]{%
4063 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4064 {\end{@biditytfloat@float}}
4065 \renewenvironment{table}[1][htbp]{%
4066 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4067 {\end{@biditytfloat@float}}
4068 \renewenvironment{figure*}[1][htbp]{%
4069 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4070 {\end{@biditytfloat@float}}
4071 \renewenvironment{table*}[1][htbp]{%
4072 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4073 {\end{@biditytfloat@float}}
4074 \newenvironment{fullwidth}{%
4075 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4076 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}%
4077 {\begin{adjustwidth}{-}\@biditytfloat@float@overhang}%
4078 }%
4079 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4080 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4081 {\end{adjustwidth}}}%
4082 }
4083 \long\def\@caption#1[#2]#3{%
4084 \par%
4085 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4086 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4087 \begingroup%
4088 \@parboxrestore%
4089 \if@minipage%
4090 \@setminipage%
4091 \fi%

```





```

4092 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4093 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4094 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4095 \endgroup}
4096 %%
4097 % Turns newlines into spaces. Based on code from the `titlesec' package.
4098 \DeclareRobustCommand{\@biditytheheading@newlinetospace}{%
4099 \@ifstar{\@biditytheheading@newlinetospace@i}{\@biditytheheading@newlinetospace@i}%
4100 }
4101 \def\@biditytheheading@newlinetospace@i{%
4102 \ifdim\lastskip>\z@ \else \space\fi
4103 \ignorespaces%
4104 }
4105 \DeclareRobustCommand{\newlinetospace}[1]{%
4106 \let\@biditytheheading@orig@cr\\% save the original meaning of \\
4107 \def\\{\@biditytheheading@newlinetospace}% turn \\ and \\* into \space
4108 \let\newline\\% turn \newline into \space
4109 #1%
4110 \let\\ \@biditytheheading@orig@cr% revert to original meaning of \\
4111 }
4112 \RequirePackage{fancyhdr}
4113 \pagestyle{fancy}
4114 \AtBeginDocument{%
4115 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4116 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4117 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4118 }
4119 % The running heads/feet don't have rules
4120 \renewcommand{\headrulewidth}{0pt}
4121 \renewcommand{\footrulewidth}{0pt}
4122 % The 'fancy' page style is the default style for all pages.
4123 \fancyhf{} % clear header and footer fields
4124 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4125 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4126 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4127 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4128 % The 'plain' page style is used on chapter opening pages.
4129 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4130 % bottom of pages -- the folios are unexpressed.
4131 \fancypagestyle{plain}{
4132 \fancyhf{} % clear header and footer fields
4133 % Uncomment the following five lines of code if you want the opening page
4134 % of the chapter to express the folio in the lower outside corner.
4135 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
4136 % {\fancyfoot[LE,RO]{\thepage}}
4137 % {\fancyfoot[RE,RO]{\thepage}}
4138 }
4139 % The 'empty' page style suppresses all headers and footers.
4140 % It's used on title pages and 'intentionally blank' pages.
4141 \fancypagestyle{empty}{

```





```

4142 \fancyhf{} % clear header and footer fields
4143 }
4144 \def\morefloats{% provides a total of 52 floats
4145 \ifthenelse{\isundefined{\bx@S}}{%
4146 \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4147 \newinsert\bx@S
4148 \newinsert\bx@T
4149 \newinsert\bx@U
4150 \newinsert\bx@V
4151 \newinsert\bx@W
4152 \newinsert\bx@X
4153 \newinsert\bx@Y
4154 \newinsert\bx@Z
4155 \newinsert\bx@a
4156 \newinsert\bx@b
4157 \newinsert\bx@c
4158 \newinsert\bx@d
4159 \newinsert\bx@e
4160 \newinsert\bx@f
4161 \newinsert\bx@g
4162 \newinsert\bx@h
4163 \newinsert\bx@i
4164 \newinsert\bx@j
4165 \newinsert\bx@k
4166 \newinsert\bx@l
4167 \newinsert\bx@m
4168 \newinsert\bx@n
4169 \newinsert\bx@o
4170 \newinsert\bx@p
4171 \newinsert\bx@q
4172 \newinsert\bx@r
4173 \newinsert\bx@s
4174 \newinsert\bx@t
4175 \newinsert\bx@u
4176 \newinsert\bx@v
4177 \newinsert\bx@w
4178 \newinsert\bx@x
4179 \newinsert\bx@y
4180 \newinsert\bx@z
4181 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4182 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4183 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4184 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4185 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4186 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4187 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4188 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4189 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4190 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4191 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v

```



```

4192         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4193     }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4194     \ifthenelse{\isundefined{\bx@AA}}{%
4195         \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4196         \newinsert\bx@AA
4197         \newinsert\bx@BB
4198         \newinsert\bx@CC
4199         \newinsert\bx@DD
4200         \newinsert\bx@EE
4201         \newinsert\bx@FF
4202         \newinsert\bx@GG
4203         \newinsert\bx@HH
4204         \newinsert\bx@II
4205         \newinsert\bx@JJ
4206         \newinsert\bx@KK
4207         \newinsert\bx@LL
4208         \newinsert\bx@MM
4209         \newinsert\bx@NN
4210         \newinsert\bx@OO
4211         \newinsert\bx@PP
4212         \newinsert\bx@QQ
4213         \newinsert\bx@RR
4214         \newinsert\bx@SS
4215         \newinsert\bx@TT
4216         \newinsert\bx@UU
4217         \newinsert\bx@VV
4218         \newinsert\bx@WW
4219         \newinsert\bx@XX
4220         \newinsert\bx@YY
4221         \newinsert\bx@ZZ
4222     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4223         \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4224         \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4225         \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4226         \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4227         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4228         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4229         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4230         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4231         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4232         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4233         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4234         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4235         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4236         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4237         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4238         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4239         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4240     }{%
4241     \bidituftefloatError{You may only call \string\morefloats\space twice. See the\MessageBreak

```



```

4242     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\Message
4243     }%
4244 }%
4245 }
4246 \newboolean{@biditytfloat@packages@subfigure}
4247 \setboolean{@biditytfloat@packages@subfigure}{false}
4248 \AtBeginDocument{%
4249   \ifpackageloaded{subfigure}
4250   {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
4251   {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
4252 }
4253 \AtBeginDocument{%
4254   \ifpackageloaded{float}{%
4255     % Save the redefined float environment (instead of the LaTeX float environment)
4256     \let\@biditytfloat@orig@float\@float
4257     \let\@biditytfloat@orig@endfloat\endfloat
4258
4259     % Define Tufte float styles (with the caption in the margin)
4260     \newcommand{\floatc@biditytfloatplain}[2]{%
4261       \begin{lrbox}{\@biditytfloat@caption@box}%
4262         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4263           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4264         }\end{minipage}%
4265       \end{lrbox}%
4266       \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4267     }
4268     \newcommand{\fs@biditytfloatplain}{%
4269       \def\@fs@cfont{\@biditytfloat@caption@font}%
4270       \let\@fs@capt\floatc@biditytfloatplain%
4271       \def\@fs@pre{}%
4272       \def\@fs@post{}%
4273       \def\@fs@mid{}%
4274       \let\@fs@iftopcapt\iftrue%
4275     }
4276     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4277     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4278     \newcommand\floatc@biditytfloatruled[2]{%
4279       {\@fs@cfont #1} #2\par%
4280     }
4281     \newcommand\fs@biditytfloatruled{%
4282       \def\@fs@cfont{\@biditytfloat@caption@font}%
4283       \let\@fs@capt\floatc@biditytfloatplain%
4284       \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4285       \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4286       \def\@fs@mid{}%
4287       \let\@fs@iftopcapt\iftrue%
4288     }
4289     \newcommand\fs@biditytfloatboxed{%
4290       \def\@fs@cfont{}%
4291       \let\@fs@capt\floatc@biditytfloatplain%

```



```

4292 \def\@fs@pre{%
4293 \setbox\@currbox\vbox{\hbadness10000
4294 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4295 \hrule \hbox to\hsize{\vrule\kern3pt
4296 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4297 }%
4298 \def\@fs@mid{\kern2pt}%
4299 \def\@fs@post{}%
4300 \let\@fs@iftopcapt\iftrue%
4301 }
4302 }{%
4303 % Nothing to do
4304 }
4305 }
4306 \AtBeginDocument{%
4307 \@ifpackageloaded{algorithm}{%
4308 % Set the float style to the Tufte version
4309 \ifthenelse{\equal{\ALG@floatstyle}{plain}}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{tufte}
4310 \bidituftesfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to tufte}
4311 \floatstyle{bidituftesfloat\ALG@floatstyle}%
4312 \restylefloat{algorithm}%
4313 }{}%
4314 }{%
4315 % Nothing to do
4316 }
4317 }
4318 \PassOptionsToPackage{caption=false}{subfig}

```

## 7.24 bidituftesidenote.sty

```

4319 \NeedsTeXFormat{LaTeX2e}
4320 \ProvidesPackage{bidituftesidenote}[2015/04/30 v0.3
4321 bidi implementation of tufte sidenote]
4322 \RequirePackage{xifthen}
4323 \RequirePackage{ragged2e}
4324 \RequirePackage{setspace}
4325 \RequirePackage{biditools}
4326 \def\bidituftesidenotemarginpar{%
4327 \ifhmode
4328 \@bsphack
4329 \@floatpenalty -\@Mii
4330 \else
4331 \@floatpenalty-\@Miii
4332 \fi
4333 \ifinner
4334 \@parmoderr
4335 \@floatpenalty\z@
4336 \else
4337 \@next\@currbox\@freelist{}{}%
4338 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%

```



```

4339      {\@floatpenalty\z@
4340      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4341    \fi
4342    \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteypar}
4343  \long\def\@bidityftesidenotexmpar[#1]#2{%
4344    \@bidityftesidenotesavemarbox\@marbox{#1}%
4345    \@bidityftesidenotesavemarbox\@currbox{#2}%
4346    \@xympar}
4347  \long\def\@bidityftesidenoteypar#1{%
4348    \@bidityftesidenotesavemarbox\@marbox{#1}%
4349    \global\setbox\@currbox\copy\@marbox
4350    \@xympar}
4351  \long\def \@bidityftesidenotesavemarbox #1#2{%
4352    \global\setbox #1%
4353      \color@vbox
4354      \vtop{%
4355        \hsize\marginparwidth
4356        \@parboxrestore
4357        \@bidityftesidenotemarginparreset
4358        #2%
4359        \@minipagefalse
4360        \outer@nobreak
4361      }%
4362    \color@endbox
4363  }
4364  \def \@bidityftesidenotemarginparreset {%
4365    \reset@font
4366    \normalsize
4367    \@minipagetrue
4368    \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4369  }
4370  \def\LTRbidityftesidenotemarginpar{%
4371    \ifhmode
4372      \@bsphack
4373      \@floatpenalty -\@Mii
4374    \else
4375      \@floatpenalty-\@Miii
4376    \fi
4377    \ifinner
4378      \@parmoderr
4379      \@floatpenalty\z@
4380    \else
4381      \@next\@currbox\@freelist{}\}%
4382      \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4383      {\@floatpenalty\z@
4384      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4385    \fi
4386    \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteypar}
4387  \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4388    \@LTRbidityftesidenotesavemarbox\@marbox{#1}%

```



```

4389 \LTRbiditytesidenotesavemarbox\@currbox{#2}%
4390 \@xympar}
4391 \long\def\LTRbiditytesidenoteympar#1{%
4392 \LTRbiditytesidenotesavemarbox\@marbox{#1}%
4393 \global\setbox\@currbox\copy\@marbox
4394 \@xympar}
4395 \long\def \LTRbiditytesidenotesavemarbox #1#2{%
4396 \global\setbox #1%
4397 \color@vbox
4398 \vtop{%
4399 \hsize\marginparwidth
4400 \@parboxrestore
4401 \LTRbiditytesidenotemarginparreset
4402 #2%
4403 \@minipagefalse
4404 \outer@nobreak
4405 }%
4406 \color@endbox
4407 }
4408 \def \LTRbiditytesidenotemarginparreset {%
4409 \reset@font
4410 \normalsize
4411 \@minipagetrue
4412 \everypar{\@minipagefalse\everypar{}\beginL}%
4413 }
4414 \def\RTLbiditytesidenotemarginpar{%
4415 \ifhmode
4416 \bsphack
4417 \@floatpenalty -\@Mii
4418 \else
4419 \@floatpenalty-\@Miii
4420 \fi
4421 \ifinner
4422 \@parmoderr
4423 \@floatpenalty\z@
4424 \else
4425 \@next\@currbox\@freelist{}\}%
4426 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4427 {\@floatpenalty\z@
4428 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4429 \fi
4430 \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
4431 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
4432 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4433 \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
4434 \@xympar}
4435 \long\def\@RTLbiditytesidenoteympar#1{%
4436 \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
4437 \global\setbox\@currbox\copy\@marbox
4438 \@xympar}

```



```

4439 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
4440   \global\setbox #1%
4441     \color@vbox
4442     \vtop{%
4443       \hsize\marginparwidth
4444       \@parboxrestore
4445       \@RTLbiditytesidenotemarginparreset
4446       #2%
4447       \@minipagefalse
4448       \outer@nobreak
4449     }%
4450   \color@endbox
4451 }
4452 \def \@RTLbiditytesidenotemarginparreset {%
4453   \reset@font
4454   \normalsize
4455   \@minipagetrue
4456   \everypar{\@minipagefalse\everypar{}\beginR}%
4457 }
4458 \newcommand{\@biditytesidenote@marginfont}{\normalfont\footnotesize}
4459 \newcommand*{\@biditytesidenote@sidenote@font}{\@biditytesidenote@marginfont}
4460 \newcommand*{\@biditytesidenote@marginnote@font}{\@biditytesidenote@marginfont}
4461 \newcommand*{\@biditytesidenote@citation@font}{\@biditytesidenote@marginfont}
4462 \newcommand*{\@bidityteLTRsidenote@citation@font}{\@biditytesidenote@marginfont}
4463 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@biditytesidenote@sidenote@font}{#1}}
4464 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@biditytesidenote@marginnote@font}{#1}}
4465 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@biditytesidenote@citation@font}{#1}}
4466 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityteLTRsidenote@citation@font}{#1}}
4467 \newcommand*{\@biditytesidenote@sidenote@justification}{\@biditytesidenote@justification@au}
4468 \newcommand*{\@biditytesidenote@marginnote@justification}{\@biditytesidenote@justification@au}
4469 \newcommand*{\@biditytesidenote@citation@justification}{\@biditytesidenote@justification@au}
4470 \newcommand*{\@biditytesidenote@justification@autodetect}{\justifying}%
4471 \newcommand{\@biditytesidenote@margin@par}{%
4472   \setlength{\RaggedRightParindent}{0.5pc}%
4473   \setlength{\JustifyingParindent}{0.5pc}%
4474   \setlength{\parindent}{0.5pc}%
4475   \setlength{\parskip}{0pt}%
4476 }
4477 %%
4478 % Globally sets the length
4479 \ifundefined{gsetlength}{%
4480 \newcommand*{\gsetlength}[2]{%
4481   \setlength{#1}{#2}%
4482   \global#1=#1\relax%
4483 }%
4484 }{}
4485 %%
4486 % Globally sets a boolean
4487 \ifundefined{gsetboolean}{%
4488 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg

```



```

4489 \lowercase{\def\@tempa{#2}}%
4490 \@ifundefined{@tempswa\@tempa}%
4491 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4492 {\@ifundefined{#1\@tempa}%
4493 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4494 {\global\csname#1\@tempa\endcsname}%
4495 }%
4496 }%
4497 }{}
4498 %%
4499 % A function that removes leading and trailing spaces from the supplied macro.
4500 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4501 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4502 % being trimmed of leading and trailing white space.
4503 \catcode`\Q=3
4504 \def\@bidityftesidenote@trim@spaces#1{%
4505 % Use grouping to emulate a multi-token afterassignment queue
4506 \begingroup%
4507 % Put ``\toks 0 {' into the afterassignment queue
4508 \aftergroup\toks\aftergroup0\aftergroup{%
4509 % Apply \trimb to the replacement text of #1, adding a leading
4510 % \noexpand to prevent brace stripping and to serve another purpose
4511 % later.
4512 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4513 % Transfer the trimmed text back into #1.
4514 \edef#1{\the\toks0}%
4515 }
4516 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4517 % clean up any leftover bizarre Qs, and trim a leading space. In
4518 % order for \trimc to work properly we need to put back a Q first.
4519 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4520 % Execute \vfuzz assignment to remove leading space; the \noexpand
4521 % will now prevent unwanted expansion of a macro or other expandable
4522 % token at the beginning of the trimmed text. The \endgroup will feed
4523 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4524 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4525 \catcode`\Q=11
4526 %%
4527 % Citations should go in the margin as sidenotes
4528
4529 \RequirePackage{natbib}
4530 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
4531 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4532 \renewcommand\BR@b@bibitem[2][]{%
4533 \ifthenelse{\isempty{#1}}%
4534 {\BR@bibitem{#2}}%
4535 {\BR@bibitem[#1]{#2}}%
4536 \BR@c@bibitem{#2}%
4537 }
4538 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys

```





```

4539 %%
4540 % Normal \cite behavior
4541 \newcounter{@biditytesidenote@num@bibkeys}%
4542 \newcommand{@@biditytesidenote@normal@cite}[2][0pt]{%
4543   % Snag the last bibentry in the list for later comparison
4544   \let\@temp@last@bibkey\empty%
4545   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4546   \sidenote[] [#1]{%
4547     % Loop through all the bibentries, separating them with semicolons and spaces
4548     \normalsize\normalfont\@biditytesidenote@citation@font%
4549     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4550     \@for\@temp@bibkeyx:=#2\do{%
4551       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4552         {\ifthenelse{equal{value{@biditytesidenote@num@bibkeys}}{0}}{and\ }}%
4553         \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4554         \bibentry{\@temp@bibkeyx}}%
4555         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4556         \bibentry{\@temp@bibkeyx};\ }}%
4557     \stepcounter{@biditytesidenote@num@bibkeys}%
4558   }%
4559 }%
4560 }
4561 \newcommand{@@bidityteLTRsidenote@normal@cite}[2][0pt]{%
4562   % Snag the last bibentry in the list for later comparison
4563   \let\@temp@last@bibkey\empty%
4564   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4565   \LTRsidenote[] [#1]{%
4566     % Loop through all the bibentries, separating them with semicolons and spaces
4567     \normalsize\normalfont\@bidityteLTRsidenote@citation@font%
4568     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4569     \@for\@temp@bibkeyx:=#2\do{%
4570       \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4571         {\ifthenelse{equal{value{@biditytesidenote@num@bibkeys}}{0}}{and\ }}%
4572         \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4573         \bibentry{\@temp@bibkeyx}}%
4574         {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4575         \bibentry{\@temp@bibkeyx};\ }}%
4576     \stepcounter{@biditytesidenote@num@bibkeys}%
4577   }%
4578 }%
4579 }
4580 \newcommand{@@bidityteRTLsidenote@normal@cite}[2][0pt]{%
4581   % Snag the last bibentry in the list for later comparison
4582   \let\@temp@last@bibkey\empty%
4583   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4584   \RTLsidenote[] [#1]{%
4585     % Loop through all the bibentries, separating them with semicolons and spaces
4586     \normalsize\normalfont\@biditytesidenote@citation@font%
4587     \setcounter{@biditytesidenote@num@bibkeys}{0}%
4588     \@for\@temp@bibkeyx:=#2\do{%

```



```

4589 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4590 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\}%
4591 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4592 \bibentry{\@temp@bibkeyx}}%
4593 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4594 \bibentry{\@temp@bibkeyx};\}%
4595 \stepcounter{@bidituftesidenote@num@bibkeys}%
4596 }%
4597 }%
4598 }
4599 %%
4600 % Macros for holding the list of cite keys until after the \sidenote
4601 \gdef\@bidituftesidenote@citations{}% list of cite keys
4602 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4603 \ifx\@bidituftesidenote@citations\empty\else
4604 \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
4605 \fi
4606 \g@addto@macro\@bidituftesidenote@citations{#1}
4607 }
4608 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4609 % Snag the last bibentry in the list for later comparison
4610 \let\@temp@last@bibkey\empty%
4611 \@for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4612 \marginpar{%
4613 \hbox{\vspace*{#1}%
4614 \@bidituftesidenote@citation@font%
4615 \@bidituftesidenote@citation@justification%
4616 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
4617 \vspace*{-1\baselineskip}%
4618 % Loop through all the bibentries, separating them with semicolons and spaces
4619 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
4620 \@for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
4621 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4622 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\}%
4623 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4624 \bibentry{\@temp@bibkeyx}}%
4625 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4626 \bibentry{\@temp@bibkeyx};\}%
4627 \stepcounter{@bidituftesidenote@num@bibkeys}%
4628 }%
4629 }%
4630 }
4631 %%
4632 % \cite behavior when executed within a sidenote
4633 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4634 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
4635 \@bidituftesidenote@add@citation{#1}
4636 }
4637 %%
4638 % Set the default \cite style. This is set and reset by the \sidenote command.

```



```

4639 \let\cite\@bidityftesidenote@normal@cite
4640 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
4641 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
4642 %%
4643 % Transform existing \footnotes into \sidenotes
4644 % Sidenote: ``Where God meant footnotes to go.' ' ---bidityftesidenote
4645 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4646 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
4647 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@}
4648 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4649 % sidenote's text block.
4650 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@}
4651 % Set the in-text footnote mark in the same typeface as the body text itself.
4652 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
4653 \providecommand*{\multiplefootnotemarker}{3sp}
4654 \providecommand*{\multfootsep}{,}
4655 \bidi@patch@AfterPackage{bidi}{%
4656 \renewcommand{\@footnotemark}{%
4657 \leavevmode%
4658 \ifhmode%
4659 \edef\@x@sf{\the\spacefactor}%
4660 \@bidityftesidenote@check@multiple@sidenotes%
4661 \nobreak%
4662 \fi%
4663 \@makefnmark%
4664 \ifhmode\spacefactor\@x@sf\fi%
4665 \relax%
4666 }%
4667 }
4668 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
4669 \ifdim\lastkern=\multiplefootnotemarker\relax%
4670 \edef\@x@sf{\the\spacefactor}%
4671 \unkern%
4672 \textsuperscript{\multfootsep}%
4673 \spacefactor\@x@sf\relax%
4674 \fi
4675 }
4676 \bidi@patch@AfterPackage{bidi}{%
4677 \renewcommand\@footnotetext[2][Opt]{%
4678 \bidityftesidenotemarginpar{%
4679 \hbox{\vspace*{#1}}%
4680 \def\baselinestretch {\setspace@singlespace}%
4681 \reset@font\footnotesize%
4682 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4683 \vspace*{-1\baselineskip}\noindent%
4684 \protected@edef\@currentlabel{%
4685 \csname p@footnote\endcsname\@thefnmark%
4686 }%
4687 \color@begingroup%
4688 \makefnmark{%

```



```

4689         \ignorespaces#2%
4690     }%
4691     \color@endgroup%
4692 }%
4693 }%
4694 \renewcommand\@LTRfootnotetext[2][0pt]{%
4695     \LTRbidityftesidenotemarginpar{%
4696         \hbox{}\vspace*{#1}%
4697         \def\baselinestretch {\setspace@singlespace}%
4698         \reset@font\footnotesize%
4699         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4700         \vspace*{-1\baselineskip}\noindent%
4701         \protected@edef\@currentlabel{%
4702             \csname p@footnote\endcsname\@thefnmark%
4703         }%
4704         \color@begingroup%
4705             \@makefntext{%
4706                 \ignorespaces#2%
4707             }%
4708         \color@endgroup%
4709     }%
4710 }%
4711 \renewcommand\@RTLfootnotetext[2][0pt]{%
4712     \RTLbidityftesidenotemarginpar{%
4713         \hbox{}\vspace*{#1}%
4714         \def\baselinestretch {\setspace@singlespace}%
4715         \reset@font\footnotesize%
4716         \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4717         \vspace*{-1\baselineskip}\noindent%
4718         \protected@edef\@currentlabel{%
4719             \csname p@footnote\endcsname\@thefnmark%
4720         }%
4721         \color@begingroup%
4722             \@makefntext{%
4723                 \ignorespaces#2%
4724             }%
4725         \color@endgroup%
4726     }%
4727 }%
4728 }
4729 %
4730 % Define \sidenote command. Can handle \cite.
4731 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4732 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4733 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4734 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4735     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4736     \gdef\@bidityftesidenote@citations{}}% clear out any old citations
4737 \ifthenelse{\NOT\isempty{#2}}{%
4738     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%

```



```

4739 }{%
4740   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4741 }%
4742 \ifthenelse{\isempty{#1}}{%
4743   % no specific footnote number provided
4744   \stepcounter{\mpfn}%
4745   \protected@xdef\@thefnmark{\thempfn}%
4746   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4747 }{%
4748   % specific footnote number provided
4749   \begingroup%
4750     \csname c@\mpfn\endcsname #1\relax%
4751     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4752   \endgroup%
4753   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4754 }%
4755 \@bidityftesidenote@print@citations%          print any citations
4756 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4757 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4758 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4759 \unskip\ignorespaces%                          remove extra white space
4760 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4761 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4762 }
4763 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4764   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4765   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
4766   \ifthenelse{\NOT\isempty{#2}}{%
4767     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4768   }{%
4769     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4770   }%
4771   \ifthenelse{\isempty{#1}}{%
4772     % no specific footnote number provided
4773     \stepcounter{\mpfn}%
4774     \protected@xdef\@thefnmark{\thempfn}%
4775     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4776   }{%
4777     % specific footnote number provided
4778     \begingroup%
4779       \csname c@\mpfn\endcsname #1\relax%
4780       \unrestored@protected@xdef\@thefnmark{\thempfn}%
4781     \endgroup%
4782     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4783   }%
4784   \@bidityftesidenote@print@citations%          print any citations
4785   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
4786   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4787   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4788   \unskip\ignorespaces%                          remove extra white space

```



```

4789 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4790 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4791 }
4792 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4793 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4794 \gdef\@bidituftesidenote@citations{}%      clear out any old citations
4795 \ifthenelse{\NOT\isempty{#2}}{%
4796 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4797 }{%
4798 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4799 }%
4800 \ifthenelse{\isempty{#1}}{%
4801 % no specific footnote number provided
4802 \stepcounter\@mpfn%
4803 \protected@xdef\@thefnmark{\thempfn}%
4804 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4805 }{%
4806 % specific footnote number provided
4807 \begingroup%
4808 \csname c@\@mpfn\endcsname #1\relax%
4809 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4810 \endgroup%
4811 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4812 }%
4813 \@bidituftesidenote@print@citations%      print any citations
4814 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4815 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4816 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4817 \unskip\ignorespaces%      remove extra white space
4818 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
4819 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4820 }
4821 \newcommand{\sidenote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4822 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4823 \newcommand{\RTLSidenote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4824 \bidi@patch@AfterPackage{bidi}{%
4825 \renewcommand{\footnote}{\@optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4826 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4827 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
4828 }
4829 %%
4830 % Sidenote without the footnote mark
4831 \newcommand\marginnote[2][Opt]{%
4832 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4833 \gdef\@bidituftesidenote@citations{}%      clear out any old citations
4834 \bidituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidituftesidenote@marginnote@font\@bidituft
4835 \@bidituftesidenote@print@citations%      print any citations
4836 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
4837 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4838 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co

```



```

4839 }
4840 \newcommand\LTRmarginnote[2][Opt]{%
4841   \let\cite\@bidityftesidenote@infotnote@cite% use the in-sidenote \cite command
4842   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4843   \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityft
4844   \@bidityftesidenote@print@citations% print any citations
4845   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4846   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4847   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4848 }
4849 \newcommand\RTLmarginnote[2][Opt]{%
4850   \let\cite\@bidityftesidenote@infotnote@cite% use the in-sidenote \cite command
4851   \gdef\@bidityftesidenote@citations{}% clear out any old citations
4852   \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityft
4853   \@bidityftesidenote@print@citations% print any citations
4854   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4855   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4856   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4857 }

```

## 7.25 bidityftetoc.sty

```

4858 \NeedsTeXFormat{LaTeX2e}
4859 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
4860 bidi implementation of tufte toc]
4861 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
4862 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
4863 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
4864 %%
4865 % Turn off section numbering
4866 \setcounter{secnumdepth}{-1}
4867 \newboolean{@bidityftetoc@toc}
4868 \setboolean{@bidityftetoc@toc}{true}
4869 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
4870 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
4871 \ProcessOptions
4872 %%
4873 % Make Tufte-style section headings and TOC formatting
4874 \bidity@patch@AfterPackage{bidi}{%
4875   \titleformat{\chapter}%
4876     [display]% shape
4877     {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format app
4878     {\itshape\huge\thechapter}% label
4879     {Opt}% horizontal separation between label and title body
4880     {\huge\rmfamily\itshape}% before the title body
4881     [\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
4882   \titleformat{\section}%
4883     [hang]% shape
4884     {\normalfont\Large\itshape}% format applied to label+text
4885     {\thesection}% label

```



```

4886 {1em}% horizontal separation between label and title body
4887 {}% before the title body
4888 []% after the title body
4889 \titleformat{\subsection}%
4890 [hang]% shape
4891 {\normalfont\large\itshape}% format applied to label+text
4892 {\thesubsection}% label
4893 {1em}% horizontal separation between label and title body
4894 {}% before the title body
4895 []% after the title body
4896 \titleformat{\paragraph}%
4897 [runin]% shape
4898 {\normalfont\itshape}% format applied to label+text
4899 {\theparagraph}% label
4900 {1em}% horizontal separation between label and title body
4901 {}% before the title body
4902 []% after the title body
4903 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4904 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4905 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4906 }
4907 % Subsubsection and following section headings shouldn't be used.
4908 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4909 \renewcommand\subsubsection{%
4910 \bidityftocError{\noexpand\subsubsection is undefined by this class.%
4911 \MessageBreak See Robert Bringhurst's _The Elements of
4912 \MessageBreak Typographic Style_, section 4.2.2.
4913 \MessageBreak \noexpand\subsubsection was used}
4914 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4915 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4916 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
4917 }
4918 \renewcommand\subparagraph{%
4919 \bidityftocError{\noexpand\subparagraph is undefined by this class.%
4920 \MessageBreak See Robert Bringhurst's _The Elements of
4921 \MessageBreak Typographic Style_, section 4.2.2.
4922 \MessageBreak \noexpand\subparagraph was used}
4923 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4924 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4925 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
4926 }
4927 % Formatting for main TOC (printed in front matter)
4928 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4929 \ifthenelse{\boolean{@bidityftoc@toc}}{%
4930 \bidi@patch@AfterPackage{bidi}{%
4931 \titlecontents{part}% FIXME
4932 [Oem] % distance from left margin
4933 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4934 {\contentslabel{2em}} % before w/label (label = ``II'')
4935 {} % before w/o label

```





```

4936 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4937 [\end{fullwidth}] % after
4938 \titlecontents{chapter}%
4939 [0em] % distance from left margin
4940 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4941 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4942 {\hspace*{0em}} % before w/o label
4943 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4944 [\end{fullwidth}] % after
4945 \titlecontents{section}% FIXME
4946 [0em] % distance from left margin
4947 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4948 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4949 {\hspace*{2em}} % before w/o label
4950 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4951 [\end{fullwidth}] % after
4952 \titlecontents{subsection}% FIXME
4953 [0em] % distance from left margin
4954 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4955 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4956 {\hspace*{4em}} % before w/o label
4957 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4958 [\end{fullwidth}] % after
4959 \titlecontents{paragraph}% FIXME
4960 [0em] % distance from left margin
4961 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4962 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4963 {\hspace*{6em}} % before w/o label
4964 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4965 [\end{fullwidth}] % after
4966 }%
4967 }{}
4968 %%
4969 % Format lists of figures/tables
4970 \renewcommand\listoffigures{%
4971 \ifundefined{chapter}%
4972 {\section*{\listfigurename}}%
4973 {\chapter*{\listfigurename}}%
4974 % \begin{fullwidth}%
4975 % \@starttoc{lof}%
4976 % \end{fullwidth}%
4977 }
4978 \renewcommand\listoftables{%
4979 \ifundefined{chapter}%
4980 {\section*{\listtablename}}%
4981 {\chapter*{\listtablename}}%
4982 % \begin{fullwidth}%
4983 % \@starttoc{lot}%
4984 % \end{fullwidth}%
4985 }

```



```

4986 \newcommand{\@bidityfttoc@lof@line}[2]{%
4987   % #1 is the figure/table number and its caption text
4988   % #2 is the page number on which the figure/table appears
4989   \leftskip 0.0em
4990   \rightskip 0em
4991   \parfillskip 0em plus 1fil
4992   \parindent 0.0em
4993   \@afterindenttrue
4994   \interlinepenalty\@M
4995   \leavevmode
4996   \@tempdima 2.0em
4997   \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4998   \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4999   {#1}\nobreak\qqquad\nobreak#2%
5000   \par%
5001 }
5002 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5003 \let\l@table\l@figure

```

## 7.26 bidityftgeneralstructure.sty

```

5004 \NeedsTeXFormat{LaTeX2e}
5005 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5006 bidi implementation of tufte general structure]
5007 \renewcommand\small{%
5008   \@setfontsize\small\@ixpt{12}%
5009   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5010   \abovedisplayshortskip \z@ \@plus2\p@
5011   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5012   \def\@listi{\leftmargin\leftmargini
5013             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5014             \parsep 2\p@ \@plus\p@ \@minus\p@
5015             \itemsep \parsep}%
5016   \belowdisplayskip \abovedisplayskip
5017 }
5018 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5019 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5020 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5021 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5022 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5023 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5024 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5025 \setlength\leftmargini {1pc}
5026 \setlength\leftmarginii {1pc}
5027 \setlength\leftmarginiii {1pc}
5028 \setlength\leftmarginiv {1pc}
5029 \setlength\leftmarginv {1pc}
5030 \setlength\leftmarginvi {1pc}
5031 \setlength\labelsep {0.5pc}
5032 \setlength\labelwidth {\leftmargini}

```



```

5033 \addtolength\labelwidth{-\labelsep}
5034 \setlength{\parindent}{1.0pc}%
5035 \setlength{\parskip}{0pt}%
5036 \RequirePackage{ragged2e}
5037 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5038 % Paragraph indentation and separation for normal text
5039 \newcommand{@bidiuftgeneralstructure@reset@par}{%
5040   \setlength{\RaggedRightParindent}{1.0pc}%
5041   \setlength{\JustifyingParindent}{1.0pc}%
5042   \setlength{\parindent}{1pc}%
5043   \setlength{\parskip}{0pt}%
5044 }
5045 @bidiuftgeneralstructure@reset@par
5046 % Require paralist package for tighter lists
5047 \RequirePackage{paralist}
5048 % Add rightmargin to compactenum
5049 \def@compactenum@{%
5050   \expandafter\list\csname label\@enumctr\endcsname{%
5051     \usecounter{\@enumctr}%
5052     \rightmargin=2em% added this
5053     \parsep\plparsep
5054     \itemsep\plitemsep
5055     \topsep\pltopsep
5056     \partopsep\plpartopsep
5057     \def\makelabel##1{\hss\llap{##1}}}%
5058 %%
5059 % An environment for paragraph-style section
5060 \providecommand\newthought[1]{%
5061   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5062   \noindent\textbf{#1}%
5063 }
5064 %%
5065 % Redefine the display environments (quote, quotation, etc.)
5066 \renewenvironment{verse}
5067   {\let\\\@centercr
5068    \list{}{\itemsep \z@
5069             \itemindent -1pc%
5070             \listparindent\itemindent
5071             \rightmargin \leftmargin
5072             \advance\leftmargin 1pc}%
5073    \small%
5074    \item\relax}
5075   {\endlist}
5076 \renewenvironment{quotation}
5077   {\list{}{\listparindent 1pc%
5078             \itemindent \listparindent
5079             \rightmargin \leftmargin
5080             \parsep \z@ \@plus\p@}%
5081    \small%
5082    \item\relax\noindent\ignorespaces}

```



```

5083             {\endlist}
5084 \renewenvironment{quote}
5085             {\list{}{\rightmargin\leftmargin}%
5086              \small%
5087              \item\relax}
5088             {\endlist}
5089 % Italicize description run-in headings (instead of the default bold)
5090 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5091 %%
5092 % Redefine \bibsection to not mark the running heads.
5093 % (Code modified from natbib.sty.)
5094 \@ifundefined{chapter}%
5095   {\renewcommand\bibsection{\section*{\refname}}}
5096   {\@ifundefined{NAT@sectionbib}%
5097     {\renewcommand\bibsection{\chapter{\bibname}}}
5098     {\renewcommand\bibsection{\section*{\bibname}}}}
5099 \RequirePackage{multicol}
5100 \renewenvironment{theindex}{%
5101 \@ifundefined{chapter}%
5102   {\section*{\indexname}}%
5103   {\chapter{\indexname}}%
5104   \begin{fullwidth}%
5105   \small%
5106   \parskip0pt%
5107   \parindent0pt%
5108   \let\item\@idxitem%
5109   \begin{multicols}{3}%
5110   {%
5111     \end{multicols}%
5112     \end{fullwidth}%
5113   }
5114 \AtBeginDocument{%
5115 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5116 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5117 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5118 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5119 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

## 7.27 **bidituftehyperref.sty**

```

5120 \NeedsTeXFormat{LaTeX2e}
5121 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5122 bidi implementation of tufte hyperref]
5123 %%
5124 % Color
5125 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5126 \newboolean{@bidituftehyperref@loadhyper}
5127 \setboolean{@bidituftehyperref@loadhyper}{true}
5128 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5129 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}

```



```

5130 \ProcessOptions
5131 %% Loads the hyperref package and sets some default options.
5132 \newcommand{\biditytfehyperrefLoadHyperref}{%
5133 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5134 \hypersetup{%
5135     bookmarksdepth = section,
5136     citecolor = DarkGreen,
5137     linkcolor = DarkBlue,
5138 %     pagecolor = DarkBlue,
5139     urlcolor = DarkGreen,
5140 }%
5141 }
5142 \ifthenelse{\boolean{@biditytfehyperref@loadhyper}}{%
5143 \biditytfehyperrefLoadHyperref%
5144 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5145 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5146 }

```

## 7.28 biditytftitle.sty

```

5147 \NeedsTeXFormat{LaTeX2e}
5148 \ProvidesPackage{biditytftitle}[2011/06/18 v0.1
5149 bidi implementation of tufte title]
5150 \RequirePackage{biditytools}
5151 %%
5152 % `titlepage' option -- creates a full title page with \maketitle
5153 \newboolean{@biditytftitle@titlepage}
5154 \DeclareOption{titlepage}{\setboolean{@biditytftitle@titlepage}{true}}
5155 \DeclareOption{notitlepage}{\setboolean{@biditytftitle@titlepage}{false}}
5156 % Default `book' and `handout' options
5157 \ifclassloaded{book}{%
5158 \ExecuteOptions{titlepage}}{%
5159 \ifclassloaded{article}{%
5160 \ExecuteOptions{notitlepage}}%
5161 {}}
5162 \ProcessOptions
5163 %%
5164 % Modified \title, \author, and \date commands. These store the
5165 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5166 \newcommand{\plaintitle}{}% plain-text-only title
5167 \newcommand{\plainauthor}{}% plain-text-only author
5168 \newcommand{\plainpublisher}{}% plain-text-only publisher
5169 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5170 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5171 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5172 \newcommand{@publisher}{}% full publisher with \thanks{}
5173 \newcommand{\thedate}{\today}
5174 \bidi@patch@AfterPackage{bidi}{%
5175 \renewcommand{\thanks}[1]{\footnote{#1}}
5176 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}

```



```

5177 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5178 }
5179 \renewcommand{\title}[2][]{%
5180   \gdef\@title{#2}%
5181   \begingroup%
5182     % TODO store contents of \thanks command
5183     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5184     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5185     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5186     \protected@xdef\thanklesstitle{#2}%
5187   \endgroup%
5188   \ifthenelse{\isempty{#1}}{%
5189     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5190     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5191   \@ifundefined{hypersetup}%
5192     {}% hyperref is not loaded; do nothing
5193     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5194 }
5195 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5196 \renewcommand{\author}[2][]{%
5197   \ifthenelse{\isempty{#2}}{-}{\gdef\@author{#2}}%
5198   \begingroup%
5199     % TODO store contents of \thanks command
5200     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5201     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5202     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5203     \protected@xdef\thanklessauthor{#2}%
5204   \endgroup%
5205   \ifthenelse{\isempty{#1}}{%
5206     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5207     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5208   \@ifundefined{hypersetup}%
5209     {}% hyperref is not loaded; do nothing
5210     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5211 }
5212 \renewcommand{\date}[1]{%
5213   \gdef\@date{#1}%
5214   \begingroup%
5215     % TODO store contents of \thanks command
5216     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5217     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5218     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5219     \protected@xdef\thedata{#1}%
5220   \endgroup%
5221 }
5222 %%
5223 % Provides a \publisher command to set the publisher
5224 \newcommand{\publisher}[2][]{%
5225   \gdef\@publisher{#2}%
5226   \begingroup%

```



```

5227 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5228 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5229 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5230 \protected@xdef\thanklesspublisher{#2}%
5231 \endgroup%
5232 \ifthenelse{\isempty{#1}}
5233 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5234 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5235 }
5236 %%
5237 % Produces a full title page
5238 \newcommand{\maketitlepage}[0]{%
5239 \cleardoublepage%
5240 {%
5241 \bfseries%
5242 \begin{fullwidth}%
5243 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5244 \vspace{11.5pc}%
5245 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5246 \vfill%
5247 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5248 \end{fullwidth}%
5249 }
5250 \thispagestyle{empty}%
5251 \clearpage%
5252 }
5253 %%
5254 % Title block
5255 \bidi@AfterEndPreamble{%
5256 \renewcommand{\maketitle}{%
5257 \newpage%
5258 \global\@topnum\z@% prevent floats from being placed at the top of the page
5259 \begin{group}%
5260 \setlength{\parindent}{0pt}%
5261 \setlength{\parskip}{4pt}%
5262 \let\@title\empty%
5263 \let\@author\empty%
5264 \let\@date\empty%
5265 \gdef\@title{\LARGE\itshape\@title\par}%
5266 \gdef\@author{\Large\itshape\@author\par}%
5267 \gdef\@date{\Large\itshape\@date\par}%
5268 \@title%
5269 \@author%
5270 \@date%
5271 \end{group}%
5272 \thispagestyle{plain}}% suppress the running head
5273 }%
5274 }
5275 %%
5276 % Title page (if the `titlepage' option was passed to the bidentuftetitle-handout

```



```

5277 % class.)
5278 \bidi@AfterEndPreamble{%
5279 \ifthenelse{\boolean{@bidiuftetitle@titlepage}}
5280 {\renewcommand{\maketitle}{\maketitlepage}}
5281 {}
5282 }
5283 %%
5284 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5285 % without headers and footers
5286 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5287 \hbox{}
5288 %\vspace*{\fill}
5289 %\begin{center}
5290 % This page intentionally contains only this sentence.
5291 %\end{center}
5292 %\vspace{\fill}
5293 \thispagestyle{empty}
5294 \newpage
5295 \if@twocolumn\hbox{}\newpage\fi\fi}

```

## 7.29 bidiufte-handout.cls

```

5296 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5297 \ProvidesClass{bidiufte-handout}[2011/06/18 v0.1 bidiufte-handout class]
5298 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5299 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftefloat}}
5300 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetoc}}
5301 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftehyperref}}
5302 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetitle}}
5303 \ProcessOptions\relax
5304 \LoadClass{article}
5305 \RequirePackage{bidiuftefloat}
5306 \RequirePackage{bidiuftesidenote}
5307 \RequirePackage{bidiuftetoc}
5308 \RequirePackage{bidiuftegeneralstructure}
5309 \RequirePackage{bidiuftehyperref}
5310 \RequirePackage{bidiuftetitle}
5311 \renewenvironment{abstract}
5312 {\begin{quotation}}
5313 {\end{quotation}}
5314 \AtBeginDocument{%
5315 \IfFileExists{bidiufte-handout.cfg}
5316 {\input{bidiufte-handout.cfg}
5317 \ClassInfo{bidiufte-handout}{Loading bidiufte-handout configuration file \@gobble}}
5318 {}%
5319 }

```

## 7.30 bidiufte-book.cls

```

5320 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5321 \ProvidesClass{bidiufte-book}[2011/06/18 v0.1 bidiufte-book class]

```





```

5322 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5323 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiutfefloat}}
5324 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetoc}}
5325 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftehyperref}}
5326 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidiuftetitle}}
5327 \ProcessOptions\relax
5328 \LoadClass{book}
5329 \RequirePackage{bidiuftefloat}
5330 \RequirePackage{bidiuftesidenote}
5331 \RequirePackage{bidiuftetoc}
5332 \RequirePackage{bidiuftegeneralstructure}
5333 \RequirePackage{bidiuftehyperref}
5334 \RequirePackage{bidiuftetitle}
5335 %%
5336 % Set up any book-specific stuff now
5337 %%
5338 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5339 % to the opening page of Chapter 1. The running heads, when they appear,
5340 % contain only the (arabic) page number in the outside corner.
5341 %\newif\if@mainmatter \@mainmattertrue
5342 \renewcommand\frontmatter{%
5343   \cleardoublepage%
5344   \@mainmatterfalse%
5345   \pagenumbering{arabic}%
5346   %\pagestyle{plain}%
5347   \fancyhf{}%
5348   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
5349     {\fancyhead[LE,RO]{\thepage}}%
5350     {\fancyhead[RE,RO]{\thepage}}%
5351   }
5352 %%
5353 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5354 % numbering---it continues where it left off in the front matter.
5355 \renewcommand\mainmatter{%
5356   \cleardoublepage%
5357   \@mainmattertrue%
5358   \fancyhf{}%
5359   \ifthenelse{\boolean{@bidiuftefloat@twoside}}{%
5360     {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
5361     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5362     {\fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
5363     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5364   }
5365 %%
5366 % The back matter contains appendices, indices, glossaries, endnotes,
5367 % bibliographies, list of contributors, illustration credits, etc.
5368 \renewcommand\backmatter{%
5369   \if@openright%
5370     \cleardoublepage%
5371   \else%

```



```

5372 \clearpage%
5373 \fi%
5374 \@mainmatterfalse%
5375 }
5376 %%
5377 % Only show the chapter titles in the table of contents
5378 \setcounter{tocdepth}{0}
5379 \AtBeginDocument{%
5380 \IfFileExists{biditufte-book.cfg}
5381 {\input{biditufte-book.cfg}
5382 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5383 {}%
5384 }

```

### 7.31 bidipoem.sty

```

5385 \NeedsTeXFormat{LaTeX2e}
5386 \ProvidesPackage{bidipoem}%
5387 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5388
5389 % Usage:
5390 %
5391 % \Setversedim #1#2 % define the layout (within a group):
5392 % #1 = length of both half-verses
5393 % #2 = separation distance = length of a connection, if present
5394 % Variant:
5395 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5396 % #1 = length of first (=right) half-verse
5397 % #2 = length of second (=left) half-verse
5398 % #3 = separation distance = length of a connection, if present
5399 %
5400 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5401 % #1 = text of first (=right) half-verse
5402 % #2 = text of second (=left) half-verse
5403 % Variant:
5404 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5405 % #1 = text of first (=right) half-verse
5406 % #2 = text of connection
5407 % #3 = text of second (=left) half-verse
5408 %
5409 % Alternative (if preferred):
5410 %
5411 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5412
5413
5414 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5415
5416 % define the layout, verses will be centered
5417
5418 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep

```



```

5419 \newdimen \bidipoem@hvind \newdimen \bidipoem@hvlen
5420
5421 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5422 \bidipoem@hvind \textwidth
5423 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5424 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5425 \bidipoem@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5426
5427 \def \bidipoem@set@verseI [#1]{% optional parameter
5428 \bidipoem@hvlen #1\relax \bidipoem@set@@verse }
5429
5430 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5431 \advance \bidipoem@hvind -\bidipoem@hvlen \bidipoem@hvsep #1\relax
5432 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5433
5434 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5435 \ifdim Opt > \bidipoem@hvind %
5436 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5437 \else
5438 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5439 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5440 \bidipoem@spreadbox \bidipoem@hvlen {#3}% second block
5441 \par }
5442
5443 % macro for two half verses
5444 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5445 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}]
5446 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi
5447 \bidipoem@half@verses@next}
5448
5449 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5450 \traditionalconnverses {#1}{#2}{#3}}
5451
5452
5453 {\catcode\^^M=\active % these lines must end with %
5454 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5455 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5456 {\catcode\^^M=\active % these lines must end with %
5457 \gdef\modernpoem@obeylines{\catcode\^^M=\active \let^^M\modernpoem@par}%
5458 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5459 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5460 \def\poemmarginskip{1em plus 1fil minus 1em}
5461 \def\poemextrabaselineskip{0\baselineskip}
5462 \def\poemskip{\medskip}
5463 \newcommand{\bidipoem@openbox}{\leavevmode
5464 \hbox to.77778em{%
5465 \hfil\vrule
5466 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5467 \vrule\hfil}}
5468 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}

```



```

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

```



```

5519 }
5520 \def\poem@lineparseend{%
5521 \crrcr\egroup
5522 \vskip-\baselineskip
5523 }
5524 \def\traditionalpoem@cr{%
5525 \cr\poem@line
5526 }
5527 \newbox\verse@i
5528 \newbox\verse@ii
5529 \newif\ifpoem@started
5530
5531 \def\poem@line{%
5532 \poem@lineparseend
5533 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5534 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5535 \ifpoem@started
5536 \ifdim\wd\verse@ii>\z@\else
5537 \nopagebreak[3]
5538 \fi
5539 \leavevmode
5540 \poem@linebegin
5541 \poem@verse\verse@i
5542 \ifdim\wd\verse@ii>\z@
5543 \poem@lineversesep
5544 \poem@verse\verse@ii
5545 \fi
5546 \poem@lineend
5547 % \nopagebreak
5548 \par
5549 \vskip\poemextrabaselineskip
5550 \fi
5551 \poem@lineparsebegin
5552 }
5553 \def\@traditionalpoem{%
5554 \stepcounter{poem@no}
5555 \ifnum\max@poem@no<\number\c@poem@no%
5556 \xdef\poem@width{\z@}%
5557 \else
5558 \xdef\poem@width{\poem@prop{poem@width}}%
5559 \fi
5560 \xdef\new@poem@width{\z@}%
5561 \global\versewidth=\poem@width
5562 \poemskip\par
5563 \beginngroup
5564 \tabskip=\z@
5565 \parskip=\z@
5566 \parindent=\z@
5567 \parfillskip=\z@

```



```

5568 \rightskip=\z@
5569 \leftskip=\z@
5570 \widowpenalty=10000% No break between verses of the same line.
5571 \clubpenalty=10000% Same as above. Not really needed.
5572 \def\newblock{\hfil\poemblocksep\hfil\null}%
5573 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5574 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5575 \global\poem@startedfalse
5576 \csname poem@obeylines\endcsname
5577 \let\poem@obeylines\relax
5578 \poem@lineparsebegin
5579 }
5580 \def\@endtraditionalpoem{%
5581 \cr
5582 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5583 \noalign{%
5584 \skip0=\poemextrabaselineskip
5585 \vskip-\skip0
5586 \vskip-\baselineskip
5587 }%
5588 \fi\fi
5589 \poem@lineparseend
5590 \endgroup
5591 \par
5592 \vskip\baselineskip
5593 \poemskip
5594 \if@nparlist \else
5595 \ifdim\lastskip >\z@
5596 \@tempskipa\lastskip \vskip -\lastskip
5597 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5598 \vskip\@tempskipa
5599 \fi
5600 \@endparenv
5601 \fi
5602 \ifdim\new@poem@width<\poem@width
5603 \global\let\poem@needrun\relax
5604 \fi
5605 \poem@writeaux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
5606 \ifx\AtEndDocument\undefined\poem@finish\fi
5607 }
5608
5609
5610 \long\def\bidipoem@p@ftntext#1{%
5611 \edef\@temp{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
5612 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
5613 \long\def\bidipoem@p@LTRftntext#1{%
5614 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
5615 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5616 \long\def\bidipoem@p@RTLftntext#1{%
5617 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%

```



```

5618 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5619
5620 \long\def\bidipoem@p@xftntext[#1]#2{%
5621 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5622
5623 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5624 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5625
5626 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5627 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5628
5629 \def\bidipoem@p@xfootnote[#1]{%
5630 \begingroup
5631 \csname c@{\@mpfn}\endcsname #1\relax
5632 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5633 \endgroup
5634 \@footnotemark\bidipoem@p@xftntext[#1]}
5635
5636 \def\bidipoem@p@xLTRfootnote[#1]{%
5637 \begingroup
5638 \csname c@{\@mpfn}\endcsname #1\relax
5639 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5640 \endgroup
5641 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5642
5643 \def\bidipoem@p@xRTLfootnote[#1]{%
5644 \begingroup
5645 \csname c@{\@mpfn}\endcsname #1\relax
5646 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5647 \endgroup
5648 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5649
5650
5651
5652 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5653 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5654 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5655 \def\poem@finish{%
5656 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5657 \ifx\poem@needrun\relax
5658 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5659 \global\let\poem@needrun\undefined
5660 \fi
5661 }
5662 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5663 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5664 \ifx\max@poem@no\undefined
5665 \def\max@poem@no{0}%
5666 \fi
5667 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}

```



```

5668 \newcommand{\poem@write@aux}[2]{%
5669     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5670     \@x
5671 }
5672 \def\@modernpoem{%
5673 \par
5674 \begingroup
5675 \parskip=\z@
5676 \parindent=\z@
5677 \def\[{ \@settab\@tabplus\ignorespaces}%
5678 \def\]\{ \@tabminus\ignorespaces}%
5679 \def\newblock{\poemblocksep}%
5680 \let\newpoem@tabcr\@tabcr
5681 \def\modernpoem@par{% Redefine \par for possible \obeylines
5682     \ifpoem@started\else
5683         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5684             \@stopfield
5685             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5686             \@contfield
5687         \fi
5688     \fi
5689     \ifpoem@started\newpoem@tabcr\fi}%
5690 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5691 \global\poem@startedfalse
5692 \csname poem@obeylines\endcsname
5693 \let\poem@obeylines\relax
5694 \begin{tabbing}%
5695 }
5696 \def\@endmodernpoem{%
5697 \global\poem@startedfalse
5698 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5699     \@stopfield
5700     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5701     \@contfield
5702 \fi
5703 \ifpoem@started\else\let\@stopline\@stopfield\fi
5704 \end{tabbing}%
5705 \endgroup
5706 \par
5707 \if@nparlist \else
5708     \ifdim\lastskip >\z@
5709         \@tempskipa\lastskip \vskip -\lastskip
5710         \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
5711         \vskip\@tempskipa
5712     \fi
5713     \@endparenv
5714 \fi
5715 }
5716 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5717 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}

```





```

5718 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5719 \gdef\@startfield{%
5720 \global\setbox\@curfield\hbox\bgroup%
5721 \let\@footnotetext\bidipoem@p@fnttext%
5722 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5723 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5724 \let\@xfootnotenext\bidipoem@p@xftntext%
5725 \let\@xfootnote\bidipoem@p@xfootnote%
5726 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5727 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5728 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5729 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5730 \color@begingroup}
5731 \gdef\@stopfield{%
5732 \color@endgroup\egroup\global\bidipoem@p@fnt\expandafter{\expandafter}\the\bidipoem@p@fnt}
5733 \gdef\@contfield{%
5734 \global\setbox\@curfield\hbox\bgroup%
5735 \let\@footnotetext\bidipoem@p@fnttext%
5736 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5737 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5738 \let\@xfootnotenext\bidipoem@p@xftntext%
5739 \let\@xfootnote\bidipoem@p@xfootnote%
5740 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5741 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5742 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5743 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5744 \color@begingroup\unhbox\@curfield}

```

## 7.32 boek3-xetex-bidi.def

```

5745 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX et
5746 \renewenvironment{theindex}{%
5747 \if@twocolumn
5748 \@restonecolfalse
5749 \else
5750 \@restonecoltrue
5751 \fi
5752 \columnseprule \z@
5753 \columnsep 35\p@
5754 \twocolumn[\@makeschapterhead{\indexname}]{%
5755 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5756 \thispagestyle{plain}\parindent\z@
5757 \parskip\z@ \@plus .3\p@\relax
5758 \let\item\@idxitem
5759 }{%
5760 \if@restonecol\onecolumn\else\clearpage\fi}
5761 \renewcommand*\head@style{%
5762 \interlinepenalty \@M
5763 \hyphenpenalty=\@M \exhyphenpenalty=\@M
5764 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

5765 \renewcommand*\@regtocline[3]{%
5766   \ifnum #1>\c@tocdepth
5767   \else
5768     \vskip\z@\@plus.2\p@
5769     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5770     \if@RTL\rightskip\else\leftskip\fi\unitindent
5771     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5772     \parfillskip\z@
5773     \@tempdima\unitindent
5774     \parindent\z@
5775     \leavevmode
5776     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5777     \hskip 1em \nobreak{\slshape #3}\par
5778   }%
5779 \fi}
5780 \if@oldtoc
5781 \renewcommand*\l@part[2]{%
5782   \ifnum \c@tocdepth >-2\relax
5783     \addpenalty{-\@highpenalty}%
5784     \addvspace{2.25em \@plus\p@}%
5785     \begingroup
5786       \setlength\@tempdima{3em}%
5787       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5788       \parfillskip -\@pnumwidth
5789       {\leavevmode
5790         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5791         \nobreak
5792         \global\@nobreaktrue
5793         \everypar{\global\@nobreakfalse\everypar{}}%
5794       \endgroup
5795     \fi}
5796 \else
5797   \renewcommand*\l@part{%
5798     \ifnum \c@tocdepth >-2\relax
5799       \addpenalty{-\@highpenalty}%
5800       \addvspace{2.25em \@plus \p@}%
5801       \@regtocline{0}%
5802     \fi}
5803 \fi
5804 \if@oldtoc
5805 \renewcommand*\l@chapter[2]{%
5806   \addpenalty{-\@highpenalty}%
5807   \vskip 1.0em \@plus\p@
5808   \setlength\@tempdima{1.5em}%
5809   \begingroup
5810     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5811     \parfillskip -\@pnumwidth
5812     \leavevmode \bfseries
5813     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5814     \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

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

```



```

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

```



```

5915 \global\let\@date\@empty
5916 \global\let\title\relax
5917 \global\let\author\relax
5918 \global\let\date\relax
5919 \global\let\and\relax
5920 }

```

### 7.33 boek-xetex-bidi.def

```

5921 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5922 \renewenvironment{theindex}{%
5923   \if@twocolumn
5924     \@restonecolfalse
5925   \else
5926     \@restonecoltrue
5927   \fi
5928   \columnseprule \z@
5929   \columnsep 35\p@
5930   \twocolumn[\@makeschapterhead{\indexname}]%
5931   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5932   \thispagestyle{plain}\parindent\z@
5933   \parskip\z@ \@plus .3\p@\relax
5934   \let\item\@idxitem
5935   }{%
5936   \if@restonecol\onecolumn\else\clearpage\fi}
5937 \renewcommand*{\head@style}{%
5938   \interlinepenalty \@M
5939   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5940   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5941 \renewcommand*{\regtocline}[3]{%
5942   \ifnum #1>\c@tocdepth
5943   \else
5944     \vskip\z@ \@plus .2\p@
5945     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5946     \if@RTL\rightskip\else\leftskip\fi\unitindent
5947     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5948     \parfillskip\z@
5949     \@tempdima\unitindent
5950     \parindent\z@
5951     \leavevmode
5952     \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5953     \hskip 1em \nobreak{\slshape #3}\par
5954   }%
5955   \fi}
5956 \if@oldtoc
5957 \renewcommand*\l@part[2]{%
5958   \ifnum \c@tocdepth >-2\relax
5959     \addpenalty{-\@highpenalty}%
5960     \addvspace{2.25em \@plus\p@}%
5961     \begingroup

```



```

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

```



```

6012     \noindent\ignorespaces}
6013     {\par\vfil\null\endtitlepage}
6014 \renewenvironment{thebibliography}[1]
6015     {\chapter*{\bibname}%
6016     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6017     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6018     \list{\@biblabel{\@arabic\c@enumiv}}%
6019     {\settowidth\labelwidth{\@biblabel{#1}}%
6020     \leftmargin\labelwidth
6021     \advance\leftmargin\labelsep
6022     \@openbib@code
6023     \usecounter{enumiv}%
6024     \let\p@enumiv\@empty
6025     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6026     \sloppy\clubpenalty4000\widowpenalty4000%
6027     \sfcode`..\@m}
6028     {\def\@noitemerr
6029     {\@latex@warning{Empty `thebibliography' environment}}}%
6030     \endlist}
6031 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6032 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6033 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6034 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6035 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6036 \renewcommand*\theequation{%
6037     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6038 \renewcommand*\thefigure{%
6039     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6040 \renewcommand*\thetable{%
6041     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6042 \renewcommand*\maketitle{%
6043     \begin{titlepage}%
6044     \let\footnotesize\small
6045     \let\right@footnoterule\relax
6046     \let\left@footnoterule\relax
6047     \let\textwidth\footnoterule\relax
6048     \let \footnote \thanks
6049     \long\def\@makefnmark##1{\parindent\z@
6050     \def\labelitemi{\textendash}\@revlabeltrue
6051     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6052     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6053     \if@compatibility\setcounter{page}{0}\fi
6054     \null\vfil
6055     \vskip 60\p@
6056     \begin{center}%
6057     \TitleFont
6058     {\LARGE \def\\{\penalty -\@M}
6059     \if@allcaps
6060     \expandafter\uc@nothanks\@title\thanks\relax
6061     \else

```



```

6062         \@title
6063         \fi\par}%
6064     \vskip 3em%
6065     {\large
6066         \lineskip .75em \parindent\z@
6067         \begin{tabular}[t]{c}%
6068             \if@allcaps
6069                 \expandafter\uc@authornothanks\@author\and\relax
6070             \else
6071                 \@author
6072             \fi
6073         \end{tabular}\par}%
6074     \vskip 1.5em%
6075     {\large
6076         \if@allcaps
6077             \uppercase\expandafter{\@date}%
6078         \else
6079             \@date
6080         \fi\par}%
6081     \end{center}\par
6082     \@thanks
6083     \vfil\null
6084 \end{titlepage}%
6085 \setcounter{footnote}{0}%
6086 \global\let\thanks\relax
6087 \global\let\maketitle\relax
6088 \global\let\@thanks\@empty
6089 \global\let\@author\@empty
6090 \global\let\@title\@empty
6091 \global\let\@date\@empty
6092 \global\let\title\relax
6093 \global\let\author\relax
6094 \global\let\date\relax
6095 \global\let\and\relax
6096 }

```

### 7.34 bookest-xetex-bidi.def

```

6097 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
6098 \def\@makechapterhead#1{%
6099     \vspace*{20\p@}
6100     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6101         \ifnum \c@secnumdepth >\m@ne
6102             \if@mainmatter
6103                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6104                 \par\nobreak
6105                 \vskip 10\p@
6106             \fi
6107         \fi
6108         \interlinepenalty\@M

```





```

6109 {\colorB\hrule}
6110 \vskip 15\p@
6111 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6112   {\colorA\Huge \bfseries #1}\par\nobreak
6113 \if@RTL\end{flushleft}\else\end{flushright}\fi
6114 \vskip 5\p@
6115 {\colorB\hrule}
6116 \vskip 30\p@
6117 }}
6118 \def\@makeschapterhead#1{%
6119   \vspace*{20\p@}
6120   {\parindent \z@ \raggedright \normalfont
6121     {\colorB\hrule}
6122     \vskip 15\p@
6123     \begin{center}
6124       {\colorA\Huge \bfseries #1}\par\nobreak
6125     \end{center}
6126     \vskip 5\p@
6127     {\colorB\hrule}
6128     \vskip 30\p@
6129   }}

```

## 7.35 book-xetex-bidi.def

```

6130 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for ]
6131 \renewenvironment{theindex}
6132   {\if@twocolumn
6133     \@restonecolfalse
6134     \else
6135       \@restonecoltrue
6136     \fi
6137     \columnseprule \z@
6138     \columnsep 35\p@
6139     \twocolumn[\@makeschapterhead{\indexname}]%
6140     \@mkboth{\MakeUppercase\indexname}%
6141             {\MakeUppercase\indexname}%
6142     \thispagestyle{plain}\parindent\z@
6143     \parskip\z@ \@plus .3\p@\relax
6144     \let\item\@idxitem}
6145   {\if@restonecol\onecolumn\else\clearpage\fi}
6146 \@ifclassloaded{bookest}{-}{%
6147   \if@titlepage
6148     \renewcommand\maketitle{\begin{titlepage}%
6149     \let\footnotesize\small
6150     \let\right@footnoterule\relax
6151     \let\left@footnoterule\relax
6152     \let\textwidth@footnoterule\relax
6153     \let \footnote \thanks
6154     \let \LTRfootnote \LTRthanks
6155     \let \RTLfootnote \RTLthanks

```



```

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

```



```

6206 \endgroup
6207 \setcounter{footnote}{0}%
6208 \global\let\thanks\relax
6209 \global\let\LTRthanks\relax
6210 \global\let\RTLthanks\relax
6211 \global\let\maketitle\relax
6212 \global\let\@maketitle\relax
6213 \global\let\@thanks\@empty
6214 \global\let\@author\@empty
6215 \global\let\@date\@empty
6216 \global\let\@title\@empty
6217 \global\let\title\relax
6218 \global\let\author\relax
6219 \global\let\date\relax
6220 \global\let\and\relax
6221 }
6222 \def\@maketitle{%
6223 \newpage
6224 \null
6225 \vskip 2em%
6226 \begin{center}%
6227 \let \footnote \thanks
6228 \let \LTRfootnote \LTRthanks
6229 \let \RTLfootnote \RTLthanks
6230 {\LARGE \@title \par}%
6231 \vskip 1.5em%
6232 {\large
6233 \lineskip .5em%
6234 \begin{tabular}[t]{c}%
6235 \@author
6236 \end{tabular}\par}%
6237 \vskip 1em%
6238 {\large \@date}%
6239 \end{center}%
6240 \par
6241 \vskip 1.5em}
6242 \fi}
6243 \renewcommand*{\l@part[2]{%
6244 \ifnum \c@tocdepth >-2\relax
6245 \addpenalty{-\@highpenalty}%
6246 \addvspace{2.25em \@plus\p@}%
6247 \setlength\@tempdima{3em}%
6248 \begin{group
6249 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
6250 \parfillskip -\@pnumwidth
6251 {\leavevmode
6252 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6253 \nobreak
6254 \global\@nobreaktrue
6255 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

6256 \endgroup
6257 \fi}
6258 \renewcommand*\l@chapter[2]{%
6259 \ifnum \c@tocdepth >\m@ne
6260 \addpenalty{-\@highpenalty}%
6261 \vskip 1.0em \@plus\p@
6262 \setlength\@tempdima{1.5em}%
6263 \begingroup
6264 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
6265 \parfillskip -\@pnumwidth
6266 \leavevmode \bfseries
6267 \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima
6268 \hskip -\ifRTL\rightskip\else\leftskip\fi
6269 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6270 \penalty\@highpenalty
6271 \endgroup
6272 \fi}
6273 \renewcommand\left@footnoterule{%
6274 \kern-3\p@
6275 \hrule\@width.4\columnwidth
6276 \kern2.6\p@}
6277 \renewcommand\right@footnoterule{%
6278 \kern-3\p@
6279 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6280 \kern2.6\p@}
6281 \renewcommand\theequation
6282 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6283 \renewcommand \thefigure
6284 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6285 \renewcommand \thetable
6286 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6287 \renewcommand \thechapter {\@arabic\c@chapter}
6288 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6289 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6290 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6291 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6292 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6293 \def\@makechapterhead#1{%
6294 \vspace*{50\p@}%
6295 {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi \normalfont
6296 \ifnum \c@secnumdepth >\m@ne
6297 \if@mainmatter
6298 \huge\bfseries \@chapapp\space \thechapter
6299 \par\nobreak
6300 \vskip 20\p@
6301 \fi
6302 \fi
6303 \interlinepenalty\@M
6304 \Huge \bfseries #1\par\nobreak
6305 \vskip 40\p@

```



```

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

```

### 7.36 breqn-xetex-bidi.def

```

6342 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
6343 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6344   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6345   \if@noskipsec \leavevmode \fi
6346   \if@inlabel \leavevmode \global\@inlabelfalse \fi
6347   \if\eq@group\else\eq@prelim\fi
6348   \setkeys{breqn}{#1}%
6349   \the\eqstyle
6350   \eq@setnumber
6351   \begingroup
6352   \eq@setup@a

```



```

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

```

## 7.37 cals-xetex-bidi.def

```

6397 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX en
6398 \renewenvironment{calstable}[1][c]{%
6399 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi

```



```

6400 \if l#1%
6401 \if@RTLtab\leftskip\fill \rightskip\z@ \else\leftskip\z@ \rightskip\fill\fi
6402 \else\if r#1%
6403 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6404 \else\if c#1%
6405 \leftskip\fill \rightskip\fill
6406 \fi\fi\fi
6407 \let\cals@thead@tokens=\relax
6408 \let\cals@tfoot@tokens=\relax
6409 \let\cals@tbody@tokens=\relax
6410 \cals@tfoot@height=0pt \relax
6411 \let\cals@last@context=n%
6412 \let\cals@current@context=b%
6413 \parindent=0pt %
6414 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6415 %% Alignment inside is independent on center/flushright outside
6416 \parfillskip=0pt plus1fil\relax
6417 \let\cals@borderL=\relax
6418 \let\cals@borderR=\relax
6419 \let\cals@borderT=\relax
6420 \let\cals@borderB=\relax
6421 }{% End of the table
6422 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6423
6424 \renewcommand\alignL{%
6425 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6426 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6427
6428 \renewcommand\alignR{%
6429 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6430 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

### 7.38 caption-xetex-bidi.def

```

6431 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6432 \let\@makecaption\caption@makecaption

```

### 7.39 caption3-xetex-bidi.def

```

6433 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6434 \renewcommand*\caption@par{%
6435 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

### 7.40 colortbl-xetex-bidi.def

```

6436 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6437 \def\CT@setup{%
6438 \@tempdimb\col@sep
6439 \@tempdimc\col@sep
6440 \def\CT@color{%
6441 \global\let\CT@do@color\CT@@do@color
6442 \bidicolor}}

```



```

6443 \def\@classz{\@classx
6444   \@tempcnta \count@
6445   \prepnext@tok
6446 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6447 \@addtopreamble{\if@RTLtab\beginL\fi%
6448   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6449   \ifcase \@chnum
6450   \hskip\stretch{.5}\kern\z@
6451   \d@llarbegin
6452   \insert@column
6453   \d@llarend\hskip\stretch{.5}\or
6454   \d@llarbegin \insert@column \d@llarend \hfill \or
6455   \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6456   $\vcenter
6457   \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6458   \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6459   \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6460 \fi
6461 \if@RTLtab\endR\fi\egroup\egroup
6462 \begingroup
6463 \CT@setup
6464 \CT@column@color
6465 \CT@row@color
6466 \CT@cell@color
6467 \CT@do@color
6468 \endgroup
6469   \@tempdima\ht\z@
6470   \advance\@tempdima\minrowclearance
6471   \vrule\@height\@tempdima\@width\z@
6472   \unhbox\z@\if@RTLtab\endL\fi}%
6473 \prepnext@tok}

```

## 7.41 color-xetex-bidi.def

```

6474 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
6475 \long\def\color@b@x#1#2#3{%
6476 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6477 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6478 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6479 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6480 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6481   \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
6482 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6483 \DeclareRobustCommand\color{%
6484 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6485 \def\@declaredcolor#1{%
6486 \@ifundefined{string\color @#1}%
6487   {\c@lor@error{`#1'}}%
6488   {\expandafter\let\expandafter\current@color
6489     \csname\string\color @#1\endcsname}

```





```

6490     \set@color}%
6491     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6492 \def\@undeclaredcolor[#1]#2{%
6493     \ifundefined{color@#1}%
6494         {\c@lor@error{model `#1'}}}%
6495         {\csname color@#1\endcsname\current@color{#2}%
6496         \set@color}%
6497     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6498 \DeclareRobustCommand\bidicolor{%
6499     \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6500 \def\@bidiundeclaredcolor[#1]#2{%
6501     \ifundefined{color@#1}%
6502         {\c@lor@error{model `#1'}}}%
6503         {\csname color@#1\endcsname\current@color{#2}%
6504         \set@color}%
6505     \ignorespaces}
6506 \def\@bidideclaredcolor#1{%
6507     \ifundefined{\string\color @#1}%
6508         {\c@lor@error{`#1'}}}%
6509         {\expandafter\let\expandafter\current@color
6510         \csname\string\color @#1\endcsname
6511         \set@color}%
6512     \ignorespaces}
6513 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6514 \def\color@fbox#1#2#3{%
6515     \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6516 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 7.42 combine-xetex-bidi.def

```

6517 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6518 \renewcommand{\c@ll@chapsecii}[2]{%
6519     \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6520     \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6521     #1\nobreak\hfil\nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6522 }
6523 \renewcommand{\c@ll@chapseci}{%
6524     \setlength\@tempdima{0em}%
6525     \begingroup
6526         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6527         \parfillskip -\@pnumwidth
6528         \leavevmode
6529     }
6530 \renewenvironment{tocindent}[1]{%
6531     \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

## 7.43 crop-xetex-bidi.def

```

6532 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6533 \renewcommand*\CROP@ulc{%
6534     \if@RTLmain%

```



```

6535     \begin{picture}(0,0)
6536     \unitlength\p@\thinlines
6537     \put(-40,0){\circle{10}}
6538     \put(-30,-5){\line(0,1){10}}
6539     \put(-35,0){\line(1,0){30}}
6540     \put(-10,30){\circle{10}}
6541     \put(-5,30){\line(1,0){10}}
6542     \put(0,35){\line(0,-1){30}}
6543     \end{picture}%
6544 \else%
6545     \begin{picture}(0,0)
6546     \unitlength\p@\thinlines
6547     \put(-30,0){\circle{10}}
6548     \put(-30,-5){\line(0,1){10}}
6549     \put(-35,0){\line(1,0){30}}
6550     \put(0,30){\circle{10}}
6551     \put(-5,30){\line(1,0){10}}
6552     \put(0,35){\line(0,-1){30}}
6553     \end{picture}%
6554     \fi%
6555 }
6556 \renewcommand*\CROP@urc{%
6557     \if@RTLmain%
6558         \begin{picture}(0,0)
6559         \unitlength\p@\thinlines
6560         \put(20,0){\circle{10}}
6561         \put(30,-5){\line(0,1){10}}
6562         \put(35,0){\line(-1,0){30}}
6563         \put(-10,30){\circle{10}}
6564         \put(-5,30){\line(1,0){10}}
6565         \put(0,35){\line(0,-1){30}}
6566         \end{picture}%
6567     \else%
6568         \begin{picture}(0,0)
6569         \unitlength\p@\thinlines
6570         \put(30,0){\circle{10}}
6571         \put(30,-5){\line(0,1){10}}
6572         \put(35,0){\line(-1,0){30}}
6573         \put(0,30){\circle{10}}
6574         \put(-5,30){\line(1,0){10}}
6575         \put(0,35){\line(0,-1){30}}
6576         \end{picture}%
6577         \fi%
6578 }
6579 \renewcommand*\CROP@llc{%
6580     \if@RTLmain%
6581         \begin{picture}(0,0)
6582         \unitlength\p@\thinlines
6583         \put(-40,0){\circle{10}}
6584         \put(-30,-5){\line(0,1){10}}

```



```

6585      \put(-35,0){\line(1,0){30}}
6586      \put(-10,-30){\circle{10}}
6587      \put(-5,-30){\line(1,0){10}}
6588      \put(0,-35){\line(0,1){30}}
6589      \end{picture}%
6590      \else%
6591      \begin{picture}(0,0)
6592      \unitlength\p@\thinlines
6593      \put(-30,0){\circle{10}}
6594      \put(-30,-5){\line(0,1){10}}
6595      \put(-35,0){\line(1,0){30}}
6596      \put(0,-30){\circle{10}}
6597      \put(-5,-30){\line(1,0){10}}
6598      \put(0,-35){\line(0,1){30}}
6599      \end{picture}%
6600      \fi%
6601 }
6602 \renewcommand*\CROP@lrc{%
6603   \if@RTLmain%
6604     \begin{picture}(0,0)
6605     \unitlength\p@\thinlines
6606     \put(20,0){\circle{10}}
6607     \put(30,-5){\line(0,1){10}}
6608     \put(35,0){\line(-1,0){30}}
6609     \put(-10,-30){\circle{10}}
6610     \put(-5,-30){\line(1,0){10}}
6611     \put(0,-35){\line(0,1){30}}
6612     \end{picture}%
6613     \else%
6614     \begin{picture}(0,0)
6615     \unitlength\p@\thinlines
6616     \put(30,0){\circle{10}}
6617     \put(30,-5){\line(0,1){10}}
6618     \put(35,0){\line(-1,0){30}}
6619     \put(0,-30){\circle{10}}
6620     \put(-5,-30){\line(1,0){10}}
6621     \put(0,-35){\line(0,1){30}}
6622     \end{picture}%
6623     \fi%
6624 }
6625 \@ifpackagewith{crop}{cam}{%
6626   \CROP@execopt{cam}%
6627 }{}

```

## 7.44 cutwin-xetex-bidi.def

```

6628 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6629 \renewcommand*{\c@twcompctr}[2]{%
6630   \def\c@twfirst{1}
6631   \loop\advance\c@twwinlines\m@ne

```



```

6632 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6633 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6634 \c@twprune{\c@twslicea}{\c@twlftside}%
6635 \c@twprune{\c@twsliceb}{\c@twrtside}%
6636 \ifnum\c@twfirst=\@ne
6637   \setbox#2=\vbox{\unvbox#2\hbox
6638     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6639 \else
6640   \setbox#2=\vbox{\unvbox#2\hbox
6641     to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6642 \fi
6643 \def\c@twfirst{2}
6644 \ifnum\c@twwinlines>\z@\repeat}
6645 \renewcommand*{\c@twcompodctr}[2]{%
6646   \def\c@twrounds{1}
6647   \def\c@twfirst{1}
6648   \@for\c@twlspec:=\c@twb\do{%
6649     \ifnum\c@twrounds=1
6650       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6651       \c@twprune{\c@twslicea}{\c@twlspec}%
6652       \def\c@twrounds{2}
6653     \else
6654       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6655       \c@twprune{\c@twsliceb}{\c@twlspec}%
6656       \ifnum\c@twfirst=1
6657         \setbox#2=\vbox{\unvbox#2\hbox
6658           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\
6659         \def\c@twfirst{2}
6660       \else
6661         \setbox#2=\vbox{\unvbox#2\hbox
6662           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
6663       \fi
6664       \def\c@twrounds{1}
6665     \fi}}

```

## 7.45 cuted-xetex-bidi.def

```

6666 \ProvidesFile{cuted-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for cuted package for XeTeX]
6667
6668 \def\RTL@outputdblcol{%
6669   \if@firstcolumn
6670     \global\@firstcolumnfalse
6671     \global\setbox\@leftcolumn\copy\@outputbox
6672     \splitmaxdepth\maxdimen
6673     \vbadness\maxdimen
6674     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6675     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6676     \toks@\expandafter{\topmark}%
6677     \xdef\@firstcoltopmark{\the\toks@}%
6678     \toks@\expandafter{\splitfirstmark}%

```



```

6679 \xdef\@firstcolfirstmark{\the\toks@}%
6680 \ifx\@firstcolfirstmark\@empty
6681 \global\let\@setmarks\relax
6682 \else
6683 \gdef\@setmarks{%
6684 \let\firstmark\@firstcolfirstmark
6685 \let\topmark\@firstcoltopmark}%
6686 \fi
6687 \else
6688 \global\@firstcolumntrue
6689 \setbox\@outputbox\vbox{%
6690 \hb@xt@\textwidth{%
6691 \hskip \columnwidth
6692 \hfil
6693 {\normalcolor\vrule \@width\columnseprule}%
6694 \hfil
6695 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6696 \hskip -\textwidth
6697 \hb@xt@\columnwidth{\box\@outputbox \hss}%
6698 \hskip \columnsep
6699 \hskip \columnwidth }}%
6700 \ifvoid\hold@viper
6701 \else
6702 \setbox\@outputbox\vbox to\textheight{%
6703 \box\hold@viper
6704 \box\@outputbox
6705 \vss
6706 }%
6707 \fi
6708 \@combinedblfloats
6709 \@setmarks
6710 \@outputpage
6711 \beginingroup
6712 \@dblfloatplacement
6713 \@startdblcolumn
6714 \@whiles\if@colmade\fi{\@outputpage
6715 \@startdblcolumn}%
6716 \ifvoid\@viper
6717 \else
6718 \global\setbox\@viper\vbox{%
6719 \vskip-\stripsep
6720 \unvbox\@viper
6721 }%
6722 \@viperoutput
6723 \fi
6724 \endgroup
6725 \fi}%
6726
6727 \def\LTR@outputdblcol{%
6728 \if@firstcolumn

```



```

6729 \global\@firstcolumnfalse
6730 \global\setbox\@leftcolumn\copy\@outputbox
6731 \splitmaxdepth\maxdimen
6732 \vbadness\maxdimen
6733 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
6734 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
6735 \toks@\expandafter{\topmark}%
6736 \xdef\@firstcoltopmark{\the\toks@}%
6737 \toks@\expandafter{\splitfirstmark}%
6738 \xdef\@firstcolfirstmark{\the\toks@}%
6739 \ifx\@firstcolfirstmark\@empty
6740 \global\let\@setmarks\relax
6741 \else
6742 \gdef\@setmarks{%
6743 \let\firstmark\@firstcolfirstmark
6744 \let\topmark\@firstcoltopmark}%
6745 \fi
6746 \else
6747 \global\@firstcolumntrue
6748 \setbox\@outputbox\vbox{%
6749 \hb@xt@\textwidth{%
6750 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
6751 \hfil
6752 {\normalcolor\vrule \@width\columnseprule}%
6753 \hfil
6754 \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
6755 \ifvoid\hold@viper
6756 \else
6757 \setbox\@outputbox \vbox to\textheight{%
6758 \box\hold@viper
6759 \box\@outputbox
6760 \vss
6761 }%
6762 \fi
6763 \@combinedblfloats
6764 \@setmarks
6765 \@outputpage
6766 \beginingroup
6767 \@dblfloatplacement
6768 \@startdblcolumn
6769 \@whilesw\if@colmade \fi{\@outputpage
6770 \@startdblcolumn}%
6771 \ifvoid\@viper
6772 \else
6773 \global\setbox\@viper\vbox{%
6774 \vskip-\stripsep
6775 \unvbox\@viper
6776 }%
6777 \@viperoutput
6778 \fi

```



```

6779 \endgroup
6780 \fi}%
6781
6782
6783 \def \@addviper {%
6784 \if@firstcolumn
6785 \insertfalse
6786 \@reqcolroom .5\@pageht
6787 \ht@viper\@reqcolroom
6788 \advance \@reqcolroom \ht@viper
6789 \advance \@reqcolroom \stripsep
6790 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6791 %%
6792 \@tempdimb \ht@viper
6793 \loop
6794 \setbox\v@aaa\copy\@holdpg
6795 \setbox\v@ccc\vbox to\@tempdimb{%
6796 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6797 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6798 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6799 \loop
6800 \setbox\v@aaa\copy\@holdpg
6801 \setbox\v@ccc\vbox to\@tempdimb{%
6802 \vsplit\v@aaa to\@tempdimb\vss}%
6803 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
6804 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6805 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6806 \setbox\v@ccc\vbox to\@tempdimb{%
6807 \vsplit\@holdpg to\@tempdimb\vss}%
6808 %%
6809 \setbox\@tempboxa \vbox {%
6810 \hb@xt@\textwidth {%
6811 \if@RTLmain%
6812 \hskip \columnwidth
6813 \hfil \vrule width\columnseprule \hfil
6814 \hb@xt@\columnwidth {%
6815 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6816 \hskip -\textwidth
6817 \hb@xt@\columnwidth {%
6818 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6819 \hskip \columnsep
6820 \hskip \columnwidth
6821 \else%
6822 \hb@xt@\columnwidth {%
6823 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6824 \hfil
6825 \vrule \@width\columnseprule
6826 \hfil
6827 \hb@xt@\columnwidth {%
6828 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%

```



```

6829             \fi}%
6830         }%
6831     \ifvoid\hold@viper
6832         \global\setbox\hold@viper \vbox {%
6833             \unvbox\@tempboxa
6834             \penalty\interlinepenalty
6835             \vskip\stripsep
6836             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6837             \outputpenalty \z@
6838         }%
6839     \else
6840         \global\setbox\hold@viper \vbox {%
6841             \unvbox\hold@viper
6842             \unvbox\@tempboxa
6843             \penalty\interlinepenalty
6844             \vskip\stripsep
6845             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6846             \outputpenalty \z@
6847         }%
6848     \fi
6849     \ifdim \@colroom>\@reqcolroom
6850         \global\setbox\hold@viper \vbox {%
6851             \unvbox\hold@viper
6852             \box\@viper
6853             \penalty\interlinepenalty
6854             \vskip\stripsep
6855             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6856             \outputpenalty \z@
6857         }%
6858     \@inserttrue
6859     \advance\@tempdima by-\ht\hold@viper
6860     \global \advance \@colht \@tempdima
6861     \ifdim \@colht<2.5\baselineskip
6862     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6863         too tall on page \thepage (1 stulpelis)}%
6864         \@emptycol
6865         \if@firstcolumn
6866         \else
6867             \@emptycol
6868         \fi
6869         \global\@lastvipertrue
6870     \else
6871         \global \vsize \@colht
6872         \global \@colroom \@colht
6873         \check@floats
6874         \ifdim\@tempdima>\z@
6875             \global\advance\@colroom by-\@tempdima
6876         \fi
6877         \ifdim\@colroom<\z@
6878             \global\@colroom 1pt

```





```

6879         \ifdim\@tempdima>\@colht
6880             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6881                 netelpa lape \thepage (1 stulpelis)}%
6882         \fi
6883         \@emptycol
6884         \if@firstcolumn
6885         \else
6886             \@emptycol
6887         \fi
6888         \global\@lastvipertrue
6889     \fi
6890 \fi
6891 \fi
6892 \else
6893     \@insertfalse
6894     \@reqcolroom\@colht
6895     \advance\@reqcolroom \@pageht
6896     \ht@viper.5\@reqcolroom
6897     \@reqcolroom\ht@viper
6898     \advance \@reqcolroom \ht@viper
6899     \advance \@reqcolroom \stripsep
6900     \if@flushend@auto@baselineskip
6901         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
6902             \global\lastskip@d\lastskip
6903             \global\lastskip@b\lastskip
6904             \loop
6905                 \global\lastskip@a\lastskip@b
6906                 \unskip\unpenalty
6907                 \global\lastskip@b\lastskip
6908                 \global\advance\lastskip@d by\lastskip
6909                 \ifdim\lastskip@b=-\lastskip@a
6910                     \global\advance\lastskip@d by-\lastskip
6911                 \else
6912                     \repeat
6913                 \ifdim\lastskip@b=-\lastskip@a
6914                     \ifdim\lastskip@b=\z@
6915                         \setbox\lastbox@a\lastbox
6916                         \global\advance\lastskip@d by\ht\lastbox@a
6917                         \global\advance\lastskip@d by\lastskip
6918                         \unskip\unpenalty
6919                         \setbox\lastbox@a\lastbox
6920                         \global\advance\lastskip@d by\dp\lastbox@a
6921                     \else
6922                         \global\lastskip@d\lastskip
6923                         \global\advance\lastskip@d by\topskip
6924                     \fi
6925                 \fi
6926                 \global\advance\lastskip@d by-\topskip
6927             }%
6928     \ifdim\ht\@holdpg>\@colht

```



```

6929 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6930 \par\eject
6931 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6932 }%
6933 \else
6934 \global\setbox\@holdpg\vbox{%
6935 \unvbox\@leftcolumn\unskip\unpenalty
6936 \vskip\lastskip@d
6937 \the\At@ViperColsBreak
6938 \unvbox\@holdpg
6939 \unskip
6940 }%
6941 \fi
6942 \else
6943 \global\setbox\@holdpg\vbox{%
6944 \unvbox\@leftcolumn
6945 \setbox\@tempboxa\lastbox
6946 \on@stripcols@break
6947 \the\At@ViperColsBreak
6948 \unvbox\@holdpg
6949 }%
6950 \fi
6951 \global\At@ViperColsBreak{}}%
6952 \ht@viper .5\ht\@holdpg
6953 \ifdim \ht@viper>\@colht
6954 \ht@viper \@colht
6955 \fi
6956 \ifvoid\hold@viper\@tempdima=\z@ \else \@tempdima\ht\hold@viper\fi
6957 %%
6958 \@tempdimb \ht@viper
6959 \loop
6960 \setbox\v@aaa\copy\@holdpg
6961 \setbox\v@ccc\vbox to\@tempdimb{%
6962 \vsplit\v@aaa to\@tempdimb
6963 \vss
6964 \vsplit\v@aaa to\@tempdimb
6965 }%
6966 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6967 \ifvoid\v@aaa
6968 \else
6969 \advance\@tempdimb 1\p@
6970 \repeat
6971 \loop
6972 \setbox\v@aaa\copy\@holdpg
6973 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}}%
6974 \wlog{(2)Left:\the\ht\v@ccc\space
6975 Right:\the\ht\v@aaa\space
6976 Output:\the\@tempdimb
6977 }%
6978 \ifdim\ht\v@ccc<\ht\v@aaa

```



```

6979 \tempdimb \the\ht\v@aaa
6980 \repeat
6981 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6982      ^^JRight:\the\ht\v@aaa
6983      ^^JOutput:\the\tempdimb
6984      }%
6985 \setbox\v@ccc\vbox to\tempdimb{\vsplit\@holdpg to\tempdimb\vss}%
6986 \setbox\@tempboxa\vbox{%
6987   \hb@xt@\textwidth {%
6988     \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6989     \hfil
6990     \vrule \@width\columnseprule
6991     \hfil
6992     \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6993     }%
6994   }%
6995 \ifvoid\hold@viper
6996   \global\setbox\hold@viper \vbox {%
6997     \unvbox\@tempboxa
6998     \penalty\interlinepenalty
6999     \vskip\stripsep
7000     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7001     \outputpenalty \z@
7002     }%
7003 \else
7004   \global\setbox\hold@viper \vbox {%
7005     \unvbox\hold@viper
7006     \unvbox\@tempboxa
7007     \penalty\interlinepenalty
7008     \vskip\stripsep
7009     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7010     \outputpenalty \z@
7011     }%
7012 \fi
7013 \ifdim \@colht>\@reqcolroom
7014   \global\setbox\hold@viper \vbox {%
7015     \unvbox\hold@viper
7016     \box\@viper
7017     \penalty\interlinepenalty
7018     \vskip\stripsep
7019     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7020     \outputpenalty \z@
7021     }%
7022 \inserttrue
7023 \global\@firstcolumntrue
7024 \advance\@tempdima by-\ht\hold@viper
7025 \global \advance \@colht \@tempdima
7026 \ifdim \@colht<2.5\baselineskip
7027 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7028                          too tall on page \thepage (2 stulpelis)}%

```



```

7029         \@emptycol
7030         \if@firstcolumn
7031         \else
7032             \@emptycol
7033         \fi
7034         \global\@lastvipertrue
7035     \else
7036         \global \vsize \@colht
7037         \global \@colroom \@colht
7038         \check@floats
7039         \ifdim\@tempdima>\z@
7040             \global\advance\@colroom by-\@tempdima
7041         \fi
7042         \ifdim\@colroom<\z@
7043             \global\@colroom 1pt
7044             \ifdim\@tempdima>\@colht
7045                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7046                                         netelpe lape \thepage (2 stulpelis)}%
7047             \fi
7048             \@emptycol
7049             \if@firstcolumn
7050             \else
7051                 \@emptycol
7052             \fi
7053             \global\@lastvipertrue
7054         \fi
7055     \fi
7056 \fi
7057 \fi
7058 \if@insert
7059 \else
7060     \advance\@tempdima by-\ht\hold@viper
7061     \global \advance \@colht \@tempdima
7062     \global\setbox\hold@viper \vbox {%
7063                                     \unvbox\hold@viper
7064                                     \csname viper@top@hook\endcsname
7065                                     \vsplit\@viper to \@colht
7066                                     \vss
7067                                     }%
7068     \vbox{}%
7069     \global\@firstcolumnfalse
7070     \newpage
7071 \fi
7072 }

```

## 7.46 cvthemebidicasual.sty

```

7073 \NeedsTeXFormat{LaTeX2e}
7074 \ProvidesPackage{cvthemebidicasual}
7075 \DeclareOption{blue}{\fi}

```



```

7076 \newif\if@colourorange\@colourorangefalse
7077 \DeclareOption{orange}{\@colourorange>true}
7078 \newif\if@colourgreen\@colourgreenfalse
7079 \DeclareOption{green}{\@colourgreen>true}
7080 \newif\if@coloured\@colouredfalse
7081 \DeclareOption{red}{\@coloured>true}
7082 \newif\if@colourgrey\@colourgreyfalse
7083 \DeclareOption{grey}{\@colourgrey>true}
7084 \DeclareOption*{
7085   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7086 \ExecuteOptions{colour}
7087 \ProcessOptions\relax
7088 \renewcommand*{\listitemsymbol}{\textbullet}
7089 \definecolor{firstnamedcolor}{rgb}{0.65,0.65,0.65}
7090 \familynamecolour{808080}
7091 \firstnamedcolor{A9A9A9}
7092 \quotecolour{696969}
7093 \addresscolour{696969}
7094 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7095 \sectiontitlecolour{1E90FF}
7096 \subsectioncolour{4682B4}
7097 \definecolor{rulecolour}{gray}{0.6}
7098 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7099 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7100 \if@colourorange
7101   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7102   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7103   \sectiontitlecolour{FF8C00}
7104   \subsectioncolour{FF8C00}
7105   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7106   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7107 \if@colourgreen
7108   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7109   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7110   \sectiontitlecolour{008000}
7111   \subsectioncolour{008000}
7112   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7113   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7114 \if@coloured
7115   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7116   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7117   \sectiontitlecolour{FF0000}
7118   \subsectioncolour{FF0000}
7119   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7120   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7121 \if@colourgrey
7122   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7123   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7124   \sectiontitlecolour{808080}
7125   \subsectioncolour{808080}

```



```

7126 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7127 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7128 \renewcommand*{\ttdefault}{pcr}
7129 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7130 \renewcommand*{\familynamefont}{\firstnamefont}
7131 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7132 \renewcommand*{\quoteftfont}{\large\slshape}
7133 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7134 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7135 \renewcommand*{\maketitle}{%
7136   {%
7137     \ifthenelse{\isundefined{\@photo}}{%
7138       {%
7139         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
7140         \hfill%
7141         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7142         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7143       \ifthenelse{\isundefined{\@quote}}{%
7144         {%
7145           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
7146         }%
7147     \newif\if@firstfooterelement\@firstfooterelementtrue
7148     \providecommand*{\footersymbol}{%
7149       \renewcommand*{\footersymbol}{%
7150         \if@firstfooterelement%
7151           \else%
7152             {~~\color{footersymbolcolor}\textbullet~~}\fi}
7153     \providecommand*{\makefooter}{%
7154       \renewcommand*{\makefooter}{%
7155         \fancypagestyle{plain}{%
7156           \fancyfoot[c]{%
7157             \parbox{0.8\textwidth}{%
7158               \centering%
7159               \addressfont\addresscolour%
7160               \ifthenelse{\isundefined{\@address}}{~}{%
7161                 \addresssymbol~\@address\%
7162                 \@firstfooterelementfalse}%
7163               \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7164               \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7165               \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7166               \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7167               \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7168             }%
7169           \pagestyle{plain}}
7170 \AtBeginDocument{\makefooter}

```

## 7.47 cvthemebidiclassic.sty

```

7171 \NeedsTeXFormat{LaTeX2e}
7172 \ProvidesPackage{cvthemebidiclassic}

```



```

7173 \DeclareOption{blue}{
7174 \newif\if@colourorange\@colourorangefalse
7175 \DeclareOption{orange}{\@colourorangetrue}
7176 \newif\if@colourgreen\@colourgreenfalse
7177 \DeclareOption{green}{\@colourgreentrue}
7178 \newif\if@colourred\@colourredfalse
7179 \DeclareOption{red}{\@colourredtrue}
7180 \newif\if@colourgrey\@colourgreyfalse
7181 \DeclareOption{grey}{\@colourgreytrue}
7182 \DeclareOption*{
7183   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7184 \ExecuteOptions{colour}
7185 \ProcessOptions\relax
7186 \renewcommand*{\listitemsymbol}{\textbullet}
7187 \firstnamecolour{}
7188 \familynamecolour{}
7189 \titlecolour{808080}
7190 \quotecolour{696969}
7191 \addresscolour{696969}
7192 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7193 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7194 \sectiontitlecolour{1E90FF}
7195 \subsectioncolour{4682B4}
7196 \if@colourorange
7197   \addresscolour{FF8C00}
7198   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7199   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7200   \sectiontitlecolour{FF8C00}
7201   \subsectioncolour{FF8C00}\fi
7202 \if@colourgreen
7203   \addresscolour{008000}
7204   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7205   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7206   \sectiontitlecolour{008000}
7207   \subsectioncolour{008000}\fi
7208 \if@colourred
7209   \addresscolour{FF0000}
7210   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7211   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7212   \sectiontitlecolour{FF0000}
7213   \subsectioncolour{FF0000}\fi
7214 \if@colourgrey
7215   \addresscolour{808080}
7216   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7217   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7218   \sectiontitlecolour{808080}
7219   \subsectioncolour{808080}\fi
7220 \renewcommand*{\ttdefault}{pcr}
7221 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7222 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}

```



```

7223 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7224 \renewcommand*{\familynamefont}{\firstnamefont}
7225 \renewcommand*{\quoteont}{\large\slshape}
7226 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7227 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7228 \newlength{\maketitlenamemaxwidth}
7229 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7230 \newlength{\maketitlenamefullwidth}
7231 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7232 \newlength{\maketitlenamewidth}
7233 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
7234 \newlength{\maketitlepicturewidth}
7235 \setlength{\maketitlepicturewidth}{\@photowidth}
7236 \newlength{\maketitledetailwidth}
7237 \renewcommand*{\recomputethemelengths}{%
7238   \setlength{\maketitledetailwidth}{\textwidth}%
7239   \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7240   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7241   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}%
7242 \recomputethemelengths
7243 \newif\if@firstdetailselement\@firstdetailselementtrue
7244 \newcommand*{\maketitledetailnewline}{%
7245   \if@firstdetailselement%
7246     \@firstdetailselementfalse%
7247   \else%
7248     \[.2em]\fi}
7249 \renewcommand*{\maketitle}{%
7250   % name and title
7251   \begin{minipage}[b]{\maketitlenamewidth}%
7252     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7253     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
7254   \end{minipage}%
7255   % optional data
7256   \begin{minipage}[b]{\maketitledetailwidth}%
7257     \bidi@raggedleft\addressfont\@addresscolour%
7258     \ifthenelse{\isundefined{\@address}}{\[.2em]}{\%
7259       \maketitledetailnewline%
7260       \addresssymbol~\@address}%
7261     \ifthenelse{\isundefined{\@mobile}}{\[.2em]}{\maketitledetailnewline\mobilesymbol~\@mobile}%
7262     \ifthenelse{\isundefined{\@phone}}{\[.2em]}{\maketitledetailnewline\phonesymbol~\@phone}%
7263     \ifthenelse{\isundefined{\@fax}}{\[.2em]}{\maketitledetailnewline\faxsymbol~\@fax}%
7264     \ifthenelse{\isundefined{\@email}}{\[.2em]}{\maketitledetailnewline\emailsymbol~\@email}%
7265     \ifthenelse{\isundefined{\@extrainfo}}{\[.2em]}{\maketitledetailnewline\@extrainfo}%
7266   \end{minipage}%
7267   % optional photo
7268   \ifthenelse{\isundefined{\@photo}}{\[.2em]}{\%
7269     \hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}%
7270   \}%
7271   % optional quote
7272   \ifthenelse{\isundefined{\@quote}}{\[.2em]}{\%

```





```

7273 {}%
7274 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[2.
7275 }

```

## 7.48 dblfnote-xetex-bidi.def

```

7276 \ProvidesFile{dblnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for
7277 \let\autofooterule\relax
7278 \let\rightfootnoterule\relax
7279 \let\leftfootnoterule\relax
7280 \let\textwidthfootnoterule\relax
7281 \let\LRfootnoterule\relax
7282 \def\footnoterule{\kern-3\p@
7283 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7284 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7285 \let\@footnotetext\dfn@footnotetext}
7286 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
7287 \let\insert\dfn@gobble
7288 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7289 \def\@makefnmark{\smash{\dfn@makefnmark}}
7290 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7291 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7292 \ifdim\dfn@dima>\z@\else
7293 \dfn@dima1sp\relax
7294 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7295 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7296 \ifvoid\dfn@ins\else
7297 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7298 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7299 \setbox\dfn@boxa\copy\dfn@ins
7300 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7301 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7302 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7303 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
7304 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7305 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7306 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7307 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7308 \let\insert\dfn@gobble
7309 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7310 \def\@makefnmark{\smash{\dfn@makefnmark}}
7311 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7312 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7313 \ifdim\dfn@dima>\z@\else
7314 \dfn@dima1sp\relax
7315 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7316 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7317 \ifvoid\dfn@ins\else
7318 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7319 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%

```



```

7320 \setbox\dfn@boxa\copy\dfn@ins
7321 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7322 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7323 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7324 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}}%
7325 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}%
7326 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7327 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7328 \def\dfn@RTLmakecol{\ifvoid\footins\else
7329 \dfn@dima\ht\footins
7330 \@tempcnta\z@ \dfn@countins
7331 \@tempdima\z@ \let\@elt\dfn@elt@getht
7332 \dfn@list\@nil
7333 \ifdim\@tempdima=\z@\else
7334 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7335 \global\setbox\dfn@ins\box\dfn@ins
7336 \@tempwattrue
7337 \ifdfn@trysingle
7338 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7339 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7340 \advance\@tempdima-\skip\footins
7341 \advance\@tempdima-\ht\dfn@boxa
7342 \ifdim\@tempdima<\z@\else \@tempwafalse
7343 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7344 \footnoterule \unvbox\dfn@boxa}\fi\fi
7345 \if@tempswa
7346 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7347 \global\setbox\footins\vbox{\hbox{%
7348 \hskip \DFNcolumnwidth
7349 \hskip\DFNcolumnsep
7350 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7351 \unvbox\dfn@boxb\vss}\hss}
7352 \hskip -\textwidth
7353 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7354 \vbox to\@tempdima{
7355 \setbox\@tempboxa\vbox{\footnoterule}
7356 \ifdfn@ruleboth \unvbox\@tempboxa
7357 \else \@tempdima\ht\@tempboxa
7358 \advance\@tempdima\dp\@tempboxa
7359 \vskip\@tempdima
7360 \prevdepth\dp\@tempboxa \fi
7361 \unvbox\dfn@boxa\vss}\fi\hss}
7362 \hskip \DFNcolumnsep
7363 \hskip \DFNcolumnwidth}}\fi\fi
7364 \global\dfn@fnht\z@
7365 \ifx\dfn@list\@empty\else
7366 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7367 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7368 \let\@elt\relax
7369 \ifdim\dfn@dimb>\z@

```



```

7370         \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7371         \insert\footins{\floatingpenalty\@MM
7372         \vbox to\dfn@dimb{}}\fi
7373     \ifdim\dfn@fnht>\@tempdima
7374         \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7375         \global\dfn@fnht\@tempdima
7376     \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7377     \xdef\dfn@afteroutput{\insert\footins{
7378         \floatingpenalty\@MM
7379         \vbox to\number\@tempdimb sp{}}%
7380     \global\let\noexpand\dfn@afteroutput\relax}%
7381 \fi\fi
7382 \fi}%
7383 \let\footnoterule\relax \dfn@latex@makecol
7384 \let\footnoterule\dfn@footnoterule}
7385 \def\dfn@LTRmakecol{\ifvoid\footins\else
7386     \dfn@dima\ht\footins
7387     \@tempcnta\z@ \dfn@countins
7388     \@tempdima\z@ \let\@elt\dfn@elt@getht
7389     \dfn@list\@nil
7390     \ifdim\@tempdima=\z@\else
7391     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7392     \global\setbox\dfn@ins\box\dfn@ins
7393     \@tempswatrue
7394     \ifdfn@trysingle
7395         \setbox\dfn@boxb\vbox{\unvcopy\@ccclv}\@tempdima\@colroom
7396         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7397         \advance\@tempdima-\skip\footins
7398         \advance\@tempdima-\ht\dfn@boxa
7399         \ifdim\@tempdima<\z@\else \@tempswafalse
7400             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7401             \footnoterule \unvbox\dfn@boxa}\fi\fi
7402     \if@tempswa
7403     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7404     \global\setbox\footins\vbox{\hbox{%
7405         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7406             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7407         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7408             \vbox to\@tempdima{
7409                 \setbox\@tempboxa\vbox{\footnoterule}
7410                 \ifdfn@ruleboth \unvbox\@tempboxa
7411                 \else \@tempdima\ht\@tempboxa
7412                 \advance\@tempdima\dp\@tempboxa
7413                 \vskip\@tempdima
7414                 \prevdepth\dp\@tempboxa \fi
7415                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7416     \global\dfn@fnht\z@
7417     \ifx\dfn@list\@empty\else
7418         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7419         \dfn@list \global\advance\dfn@fnht\dfn@dimb

```



```

7420         \let\@elt\relax
7421         \ifdim\dfn@dimb>\z@
7422             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7423             \insert\footins{\floatingpenalty\@MM
7424                 \vbox to\dfn@dimb{}}\fi
7425         \ifdim\dfn@fnht>\@tempdima
7426             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7427             \global\dfn@fnht\@tempdima
7428             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7429             \xdef\dfn@afteroutput{\insert\footins{
7430                 \floatingpenalty\@MM
7431                 \vbox to\number\@tempdimb sp{}}%
7432                 \global\let\noexpand\dfn@afteroutput\relax}%
7433         \fi\fi
7434     \fi}%
7435     \let\footnoterule\relax \dfn@latex@makecol
7436     \let\footnoterule\dfn@footnoterule}
7437 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7438 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7439 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7440 \DFNalwaysdouble

```

## 7.49 draftwatermark-xetex-bidi.def

```

7441 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
7442 \renewcommand\SetWatermarkText[1]{%
7443     \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

## 7.50 eso-pic-xetex-bidi.def

```

7444 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
7445 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7446     \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}%
7447
7448 \ESO@isMEMOIR{%
7449     \renewcommand\AtTextUpperLeft[1]{%
7450         \begingroup
7451             \ifodd\c@page
7452                 \@tempdima=\spinemargin
7453             \else
7454                 \@tempdima=\paperwidth
7455                 \advance\@tempdima-\textwidth
7456                 \advance\@tempdima-\spinemargin
7457             \fi
7458             \@tempdimb=-\uppermargin
7459             \AtPageUpperLeft{%
7460                 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7461                 }%
7462         \endgroup
7463     }
7464 }%

```



```

7465 \renewcommand\AtTextUpperLeft[1]{%
7466 \begingroup
7467 \@tempdima=1in\relax
7468 \ifodd\c@page
7469 \advance\@tempdima\oddsidemargin
7470 \else
7471 \advance\@tempdima\evensidemargin
7472 \fi
7473 \@tempdimb=-1in\relax
7474 \advance\@tempdimb-\topmargin
7475 \advance\@tempdimb-\headheight
7476 \advance\@tempdimb-\headsep
7477 \AtPageUpperLeft{%
7478 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7479 }%
7480 \endgroup
7481 }
7482 }

```

## 7.51 empheq-xetex-bidi.def

```

7483 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7484 \MHInternalSyntaxOn
7485 \def\EQ_tag_plus_endmark:{%
7486 \iftagsleft@
7487 \gdef\maketag@@@##1{%
7488 \hfuzz\displaywidth
7489 \if@RTL\makebox[\widthof{##1}][r]{%
7490 \hbox to \displaywidth{\m@th\normalfont##1\hss
7491 \raisebox{-\dp\EQ_mathdisplay_box
7492 -\depthof{\EQ_outerbox:}}{
7493 {\PotEndMark{\hss}}}}
7494 \else\makebox[\widthof{##1}][l]{%
7495 \hbox to \displaywidth{\m@th\normalfont##1\hss
7496 \raisebox{-\dp\EQ_mathdisplay_box
7497 -\depthof{\EQ_outerbox:}}{
7498 {\PotEndMark{\hss}}}}\fi}%
7499 \else:
7500 \gdef\maketag@@@##1{%
7501 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
7502 \settoheight{\@tempdima}{\@nameuse{InTheoType Symbol}}%
7503 \MH_addtolength:dn \@tempdima
7504 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7505 \setlength{\@tempdimb}
7506 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7507 +\depthof{\EQ_innerbox:}}}
7508 \if_dim:w \@tempdima>\@tempdimb
7509 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7510 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7511 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%

```



```

7512         \def\EQ_next:{\raisebox{\@tempdima}}%
7513     \else:
7514         \def\EQ_next:{
7515             \raisebox{-\dp\EQ_mathdisplay_box
7516                 -\depthof{\EQ_outerbox:}}}%
7517         \fi:\EQ_next:}}}%
7518     \fi:}
7519 \def\EQ_post_process:{%
7520     \EQ_initialize:
7521     \EQ_begin_equation:
7522     \MH_if_boolean:nT {outer_mult}{
7523         \setkeys{\MT_options_name:}{
7524             firstline-afterskip=0pt,
7525             lastline-preskip=0pt,
7526             multlined-width=0pt,
7527         }
7528         \ifodd \l_EQ_alignmentmode_int
7529             \setkeys{\MT_options_name:}{multlined-pos=b}
7530         \else:
7531             \setkeys{\MT_options_name:}{multlined-pos=t}
7532         \fi:
7533         \g@addto@macro\EQ_complete_mathdisplay:{
7534             \begin{MTmultlined}\relax
7535         }
7536         \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
7537         \MH_if_boolean:nT {outer_mult}{
7538             \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7539         }
7540     \EQ_end_equation:
7541     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7542     \savecounters@
7543     \EQ_typeset_tags:
7544     \edef\l_EQ_equation_fint{\number\c@equation}
7545     \restorecounters@
7546     \Hy@linkcounter=\EQ_hyperref_link_fint
7547     \settowidth\l_EQ_totalwidth_dim{%
7548         $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
7549     \MH_if_boolean:nTF {outer_mult}
7550     { \def\EQ_next:{_mult} }
7551     { \def\EQ_next:{} }
7552     \@nameuse{EQ_modify_linewidth_
7553         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7554     \EQ_typeset_display:
7555     \@nameuse{find_displaywidth_
7556         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7557     \MH_addtolength:dn
7558     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7559     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7560         $\EQ_left_side:
7561         \EQ_innerbox:%

```



```

7562 \if_case:w \l_EQ_alignmentmode_int\or:
7563 \makebox[\l_EQ_displaywidth_dim][c]
7564 {\usebox{\EQ_mathdisplay_box}}%
7565 \or:
7566 \makebox[\l_EQ_displaywidth_dim][c]
7567 {\usebox{\EQ_mathdisplay_box}}%
7568 \or:
7569 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7570 \if_num:w \l_EQ_equationtype_int=5 \else:
7571 \if_num:w \l_EQ_equationtype_int=6 \else:
7572 \kern-\@mathmargin
7573 \fi:
7574 \fi:
7575 \usebox{\EQ_mathdisplay_box}}%
7576 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7577 \if_num:w \l_EQ_equationtype_int=5 \else:
7578 \if_num:w \l_EQ_equationtype_int=6 \else:
7579 \kern-\@mathmargin
7580 \fi:
7581 \fi:
7582 \usebox{\EQ_mathdisplay_box}}\fi%
7583 \or:
7584 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7585 \if_num:w \l_EQ_equationtype_int=5 \else:
7586 \if_num:w \l_EQ_equationtype_int=6 \else:
7587 \kern-\@mathmargin
7588 \fi:
7589 \fi:
7590 \usebox{\EQ_mathdisplay_box}}
7591 \else\makebox[\l_EQ_displaywidth_dim][l]{%
7592 \if_num:w \l_EQ_equationtype_int=5 \else:
7593 \if_num:w \l_EQ_equationtype_int=6 \else:
7594 \kern-\@mathmargin
7595 \fi:
7596 \fi:
7597 \usebox{\EQ_mathdisplay_box}}\fi%
7598 \fi:}%
7599 \EQ_right_side:$}%
7600 \begin{AmSequation*}
7601 \@nameuse{EQ_place_display_
7602 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7603 \if_dim:w \g_EQ_widesttag_dim>\z@
7604 \MH_set_boolean_T:n {show_manual_tags}
7605 \if_case:w \l_EQ_alignmentmode_int
7606 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7607 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7608 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7609 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7610 \fi:
7611 \fi:

```



```

7612 \end{AmSequation*}
7613 \global\c@equation=\l_EQ_equation_fint\relax
7614 }
7615 \AtBeginDocument{%
7616 \ifpackageloaded{fancybox}{%
7617 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7618 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
7619 \renewcommand*\shadowbox{%
7620 \ifstar{MH_set_boolean_T:n {shadowbox_star}
7621 \VerbBox\EQ_shadowbox:n}
7622 {\MH_set_boolean_F:n {shadowbox_star}
7623 \VerbBox\EQ_shadowbox:n}}
7624 \def\EQ_shadowbox:n #1{%
7625 \sbox{z@}{\fbox{#1}}%
7626 \MH_if_boolean:nTF {shadowbox_star}{
7627 \MH_setlength:dn \@tempdima{z@}%
7628 }{
7629 \MH_setlength:dn \@tempdima{\dp z@+\shadowsize}%
7630 }
7631 \raisebox{\@tempdima}{%
7632 \if@RTL\makebox[z@][r]{%
7633 \kern\shadowsize \textcolor{shadowcolor}{%
7634 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}}%
7635 }%
7636 \else\makebox[z@][l]{%
7637 \kern\shadowsize \textcolor{shadowcolor}{%
7638 \rule[-\dp z@-\shadowsize]{\wd z@}{\shadowsize}}}%
7639 }\fi%
7640 \usebox z@\textcolor{shadowcolor}{%
7641 \rule[-\dp z@-\shadowsize]{\shadowsize}{\ht z@+\dp z@}}}%
7642 }{}%
7643 }
7644 \MHInternalSyntaxOff

```

## 7.52 extarticle-xetex-bidi.def

```

7645 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class f
7646 \renewcommand*\l@section[2]{%
7647 \ifnum \c@tocdepth > \z@
7648 \addpenalty\secpenalty
7649 \addvspace{1.0em \@plus\p@}%
7650 \setlength\@tempdima{1.5em}%
7651 \begingroup
7652 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7653 \parfillskip -\@pnumwidth
7654 \leavevmode \bfseries
7655 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
7656 \hskip -\if@RTL\rightskip\else\leftskip\fi
7657 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7658 \endgroup

```





```

7659 \fi}
7660 \renewcommand*\l@part[2]{%
7661 \ifnum \c@tocdepth >-2\relax
7662 \addpenalty\@secpenalty
7663 \addvspace{2.25em \@plus\p@}%
7664 \begingroup
7665 \setlength\@tempdima{3em}%
7666 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7667 \parfillskip -\@pnumwidth
7668 {\leavevmode
7669 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7670 \nobreak
7671 \endgroup
7672 \fi}
7673 \def\@part[#1]#2{%
7674 \ifnum \c@secnumdepth >\m@ne
7675 \refstepcounter{part}%
7676 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7677 \else
7678 \addcontentsline{toc}{part}{#1}%
7679 \fi
7680 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7681 \interlinepenalty \@M
7682 \normalfont
7683 \ifnum \c@secnumdepth >\m@ne
7684 \Large\bfseries \partname~\thepart
7685 \par\nobreak
7686 \fi
7687 \huge \bfseries #2%
7688 \markboth{}{}\par}%
7689 \nobreak
7690 \vskip 3ex
7691 \@afterheading}
7692 \def\@spart#1{%
7693 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7694 \interlinepenalty \@M
7695 \normalfont
7696 \huge \bfseries #1\par}%
7697 \nobreak
7698 \vskip 3ex
7699 \@afterheading}
7700 \renewenvironment{thebibliography}[1]
7701 {\section*{\refname
7702 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7703 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7704 \list{\@biblabel{\@arabic\c@enumiv}}%
7705 {\settowidth\labelwidth{\@biblabel{#1}}%
7706 \leftmargin\labelwidth
7707 \advance\leftmargin\labelsep
7708 \@openbib@code

```



```

7709         \usecounter{enumiv}%
7710         \let\p@enumiv\@empty
7711         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7712     \sloppy\clubpenalty4000\widowpenalty4000%
7713     \sfcode`.\@m}
7714     {\def\@noitemerr
7715       {\@latex@warning{Empty `thebibliography' environment}}}%
7716     \endlist}
7717 \renewcommand\left@footnoterule{%
7718   \kern-3\p@
7719   \hrule\@width.4\columnwidth
7720   \kern2.6\p@}
7721 \renewcommand\right@footnoterule{%
7722   \kern-3\p@
7723   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7724   \kern2.6\p@}
7725   \if@titlepage
7726   \renewcommand\maketitle{\begin{titlepage}%
7727     \let\footnotesize\small
7728     \let\right@footnoterule\relax
7729     \let\left@footnoterule\relax
7730     \let\textwidth\footnoterule\relax
7731     \let \footnote \thanks
7732     \null\vfil
7733     \vskip 60\p@
7734     \begin{center}%
7735       {\LARGE \@title \par}%
7736       \vskip 3em%
7737       {\large
7738         \lineskip .75em%
7739         \begin{tabular}[t]{c}%
7740           \@author
7741           \end{tabular}\par}%
7742       \vskip 1.5em%
7743       {\large \@date \par}%           % Set date in \large size.
7744     \end{center}\par
7745     \@thanks
7746     \vfil\null
7747   \end{titlepage}%
7748   \setcounter{footnote}{0}%
7749   \global\let\thanks\relax
7750   \global\let\maketitle\relax
7751   \global\let\@thanks\@empty
7752   \global\let\@author\@empty
7753   \global\let\@date\@empty
7754   \global\let\@title\@empty
7755   \global\let\title\relax
7756   \global\let\author\relax
7757   \global\let\date\relax
7758   \global\let\and\relax

```



```

7759 }
7760 \else
7761 \renewcommand\maketitle{\par
7762   \begin{group}
7763     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7764     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7765     \long\def\@makefntext##1{\parindent 1em\noindent
7766       \hb@xt@1.8em{%
7767         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7768     \if@twocolumn
7769       \ifnum \col@number=\@ne
7770         \@maketitle
7771       \else
7772         \twocolumn[\@maketitle]%
7773       \fi
7774     \else
7775       \newpage
7776       \global\@topnum\z@ % Prevents figures from going at top of page.
7777       \@maketitle
7778     \fi
7779     \thispagestyle{plain}\@thanks
7780   \end{group}
7781   \setcounter{footnote}{0}%
7782   \global\let\thanks\relax
7783   \global\let\maketitle\relax
7784   \global\let\@maketitle\relax
7785   \global\let\@thanks\@empty
7786   \global\let\@author\@empty
7787   \global\let\@date\@empty
7788   \global\let\@title\@empty
7789   \global\let\title\relax
7790   \global\let\author\relax
7791   \global\let\date\relax
7792   \global\let\and\relax
7793 }
7794 \def\@maketitle{%
7795   \newpage
7796   \null
7797   \vskip 2em%
7798   \begin{center}%
7799     \let \footnote \thanks
7800     {\LARGE \@title \par}%
7801     \vskip 1.5em%
7802     {\large
7803       \lineskip .5em%
7804       \begin{tabular}[t]{c}%
7805         \@author
7806       \end{tabular}\par}%
7807     \vskip 1em%
7808     {\large \@date}%

```



```

7809 \end{center}%
7810 \par
7811 \vskip 1.5em}
7812 \fi
7813 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7814 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7815 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7816 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

### 7.53 extbook-xetex-bidi.def

```

7817 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7818 \if@titlepage
7819 \renewcommand\maketitle{\begin{titlepage}%
7820 \let\footnotesize\small
7821 \let\right@footnoterule\relax
7822 \let\left@footnoterule\relax
7823 \let\textwidth\footnoterule\relax
7824 \let \footnote \thanks
7825 \let \LTRfootnote \LTRthanks
7826 \let \RTLfootnote \RTLthanks
7827 \null\vfil
7828 \vskip 60\p@
7829 \begin{center}%
7830 {\LARGE \@title \par}%
7831 \vskip 3em%
7832 {\large
7833 \lineskip .75em%
7834 \begin{tabular}[t]{c}%
7835 \@author
7836 \end{tabular}\par}%
7837 \vskip 1.5em%
7838 {\large \@date \par}% % Set date in \large size.
7839 \end{center}\par
7840 \@thanks
7841 \vfil\null
7842 \end{titlepage}%
7843 \setcounter{footnote}{0}%
7844 \global\let\thanks\relax
7845 \global\let\LTRthanks\relax
7846 \global\let\RTLthanks\relax
7847 \global\let\maketitle\relax
7848 \global\let\@thanks\@empty
7849 \global\let\@author\@empty
7850 \global\let\@date\@empty
7851 \global\let\@title\@empty
7852 \global\let\title\relax
7853 \global\let\author\relax
7854 \global\let\date\relax
7855 \global\let\and\relax

```



```

7856 }
7857 \else
7858 \renewcommand\maketitle{\par
7859   \begin{group}
7860     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7861     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7862     \long\def\@makefntext##1{\parindent 1em\noindent
7863       \hb@xt@1.8em{%
7864         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7865     \if@twocolumn
7866       \ifnum \col@number=\@ne
7867         \@maketitle
7868       \else
7869         \twocolumn[\@maketitle]%
7870       \fi
7871     \else
7872       \newpage
7873       \global\@topnum\z@ % Prevents figures from going at top of page.
7874       \@maketitle
7875     \fi
7876     \thispagestyle{plain}\@thanks
7877   \end{group}
7878   \setcounter{footnote}{0}%
7879   \global\let\thanks\relax
7880   \global\let\LTRthanks\relax
7881   \global\let\RTLthanks\relax
7882   \global\let\maketitle\relax
7883   \global\let\@maketitle\relax
7884   \global\let\@thanks\@empty
7885   \global\let\@author\@empty
7886   \global\let\@date\@empty
7887   \global\let\@title\@empty
7888   \global\let\title\relax
7889   \global\let\author\relax
7890   \global\let\date\relax
7891   \global\let\and\relax
7892 }
7893 \def\@maketitle{%
7894   \newpage
7895   \null
7896   \vskip 2em%
7897   \begin{center}%
7898     \let \footnote \thanks
7899     \let \LTRfootnote \LTRthanks
7900     \let \RTLfootnote \RTLthanks
7901     {\LARGE \@title \par}%
7902     \vskip 1.5em%
7903     {\large
7904       \lineskip .5em%
7905       \begin{tabular}[t]{c}%

```



```

7906         \@author
7907         \end{tabular}\par}%
7908         \vskip 1em%
7909         {\large \@date}%
7910     \end{center}%
7911     \par
7912     \vskip 1.5em}
7913 \fi
7914 \renewcommand*\l@part[2]{%
7915     \ifnum \c@tocdepth >-2\relax
7916         \addpenalty{-\@highpenalty}%
7917         \addvspace{2.25em \@plus\p@}%
7918         \begingroup
7919             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7920             \parfillskip -\@pnumwidth
7921             {\leavevmode
7922                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7923             \nobreak
7924             \global\@nobreaktrue
7925             \everypar{\global\@nobreakfalse\everypar{}}%
7926         \endgroup
7927     \fi}
7928 \renewcommand\theequation
7929     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7930 \renewcommand \thefigure
7931     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7932 \renewcommand \thetable
7933     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7934 \renewcommand \thechapter {\@arabic\c@chapter}
7935 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7936 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7937 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7938 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7939 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7940 \def\@makechapterhead#1{%
7941     \vspace*{50\p@}%
7942     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7943         \ifnum \c@secnumdepth >\m@ne
7944             \if@mainmatter
7945                 \huge\bfseries \@chapapp\space \thechapter
7946                 \par\nobreak
7947                 \vskip 20\p@
7948             \fi
7949             \fi
7950             \interlinepenalty\@M
7951             \Huge \bfseries #1\par\nobreak
7952             \vskip 40\p@
7953         }}
7954 \def\@makeschapterhead#1{%

```



```

7956 \vspace*{50\p@}%
7957 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7958 \normalfont
7959 \interlinepenalty\@M
7960 \Huge \bfseries #1\par\nobreak
7961 \vskip 40\p@
7962 }}
7963 \renewcommand\backmatter{%
7964 \if@openright
7965 \cleardoublepage
7966 \else
7967 \clearpage
7968 \fi
7969 \@mainmatterfalse}
7970 \renewenvironment{thebibliography}[1]
7971 {\chapter*{\bibname
7972 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7973 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7974 \list{\@biblabel{\@arabic\c@enumiv}}%
7975 {\settowidth\labelwidth{\@biblabel{#1}}%
7976 \leftmargin\labelwidth
7977 \advance\leftmargin\labelsep
7978 \@openbib@code
7979 \usecounter{enumiv}%
7980 \let\p@enumiv\@empty
7981 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7982 \sloppy
7983 \clubpenalty4000
7984 \@clubpenalty \clubpenalty
7985 \widowpenalty4000%
7986 \sfcode`\.\@m}
7987 {\def\@noitemerr
7988 {\@latex@warning{Empty `thebibliography' environment}}%
7989 \endlist}

```

## 7.54 extletter-xetex-bidi.def

```

7990 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7991 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
7992 \thispagestyle{firstpage}%
7993 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7994 \else % home address
7995 \thispagestyle{empty}%
7996 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7997 \fromaddress \*[2\parskip]%
7998 \@date \end{tabular}\par}%
7999 \fi
8000 \vspace{2\parskip}%
8001 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
8002 \vspace{2\parskip}%

```



```

8003 #1\par\nobreak}
8004 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8005 \stopbreaks
8006 \noindent
8007 \ifx\@empty\fromaddress\else
8008 \hspace*{\longindentation}\fi
8009 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8010 \ignorespaces #1\\[6\medskipamount]%
8011 \ifx\@empty\fromsig
8012 \fromname
8013 \else \fromsig \fi\strut}%
8014 \par}
8015 \renewcommand\left@footnoterule{%
8016 \kern-\p@
8017 \hrule \@width .4\columnwidth
8018 \kern .6\p@}
8019 \renewcommand\right@footnoterule{%
8020 \kern-\p@
8021 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8022 \kern .6\p@}

```

## 7.55 extrafootnotefeatures-xetex-bidi.def

```

8023 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2016/05/10 v1 bidi extra footnote features ]
8024 \let\autofootnoterule\relax
8025 \let\rightfootnoterule\relax
8026 \let\leftfootnoterule\relax
8027 \let\textwidthfootnoterule\relax
8028 \let\LRfootnoterule\relax
8029 \def\footnoterule{\kern-3\p@
8030 \hrule \@width \columnwidth \kern 2.6\p@}
8031 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8032 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8033 \renewcommand{\@footnotetext}[1]{%
8034 \insert\footins{%
8035 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8036 \def\baselinestretch{\m@mm@footnote@spacing}%
8037 \reset@font
8038 \foottextfont
8039 \@preamfntext
8040 \hsize\columnwidth
8041 \protected@edef\@currentlabel{%
8042 \csname p@footnote\endcsname\@thefnmark}%
8043 \color@begingroup
8044 \@makefntext{%
8045 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8046 \@finalstrut\strutbox}%
8047 \color@endgroup}%
8048 \m@mmf@prepare}
8049 \renewcommand{\@RTLfootnotetext}[1]{%

```





```

8050 \insert\footins{%
8051 \RTLtrue%
8052 \def\baselinestretch{\m@m@footnote@spacing}%
8053 \reset@font
8054 \RTLfoottextfont
8055 \@preamfntext
8056 \hsize\columnwidth
8057 \protected@edef\@currentlabel{%
8058 \csname p@footnote\endcsname\@thefnmark}%
8059 \color@begingroup
8060 \makefnfntext{%
8061 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8062 \@finalstrut\strutbox}%
8063 \color@endgroup}%
8064 \m@mmf@prepare}
8065 \renewcommand{\@LTRfootnotetext}[1]{%
8066 \insert\footins{%
8067 \RTLfalse%
8068 \def\baselinestretch{\m@m@footnote@spacing}%
8069 \reset@font
8070 \LTRfoottextfont
8071 \@preamfntext
8072 \hsize\columnwidth
8073 \protected@edef\@currentlabel{%
8074 \csname p@footnote\endcsname\@thefnmark}%
8075 \color@begingroup
8076 \makefnfntext{%
8077 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8078 \@finalstrut\strutbox}%
8079 \color@endgroup}%
8080 \m@mmf@prepare}
8081 \renewcommand{\@mpfootnotetext}[1]{%
8082 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
8083 \unvbox\@mpfootins
8084 \def\baselinestretch{\m@m@footnote@spacing}%
8085 \foottextfont \hsize\columnwidth \@parboxrestore
8086 \protected@edef\@currentlabel{%
8087 \csname p@mpfootnote\endcsname\@thefnmark}%
8088 \color@begingroup
8089 \reset@font%
8090 \makefnfntext{%
8091 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8092 \@finalstrut\strutbox}%
8093 \color@endgroup}}
8094 \renewcommand{\@mpLTRfootnotetext}[1]{%
8095 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8096 \unvbox\@mpfootins
8097 \def\baselinestretch{\m@m@footnote@spacing}%
8098 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8099 \protected@edef\@currentlabel{%

```



```

8100      \csname p@mpfootnote\endcsname\@thefnmark}%
8101      \color@begingroup
8102      \reset@font%
8103      \makefnintext{%
8104          \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8105          \@finalstrut\strutbox}%
8106      \color@endgroup}}
8107 \renewcommand{\@mpRTLfootnotetext}[1]{%
8108     \global\setbox\@mpfootins\vbox{\@RTLtrue%
8109         \unvbox\@mpfootins
8110         \def\baselinestretch{\m@m@footnote@spacing}%
8111         \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8112         \protected@edef\@currentlabel{%
8113             \csname p@mpfootnote\endcsname\@thefnmark}%
8114         \color@begingroup
8115         \reset@font%
8116         \makefnintext{%
8117             \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8118             \@finalstrut\strutbox}%
8119         \color@endgroup}}
8120 \let\m@mold@footnotetext\@footnotetext
8121 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8122 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8123 \let\m@mold@mpfootnotetext\@mpfootnotetext
8124 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8125 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8126 \bidi@ensure@newcommand{\normalfootnotes}{%
8127     \let\@footnotetext\m@mold@footnotetext
8128     \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8129     \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8130     \let\@mpfootnotetext\m@mold@mpfootnotetext
8131     \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8132     \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
8133 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8134 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestru}
8135 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8136 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8137     \def\m@m@singlespace{#1}%
8138     \def\m@m@footnote@spacing{#1}%
8139     \def\m@m@float@spacing{#1} %
8140 }
8141 \setSingleSpace{1}
8142 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8143 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8144     \kern-\multiplefootnotemarker
8145     \kern\multiplefootnotemarker\relax}
8146 \bidi@ensure@newlength{\footmarkwidth}
8147 \bidi@ensure@newlength{\footmarksep}
8148 \bidi@ensure@newlength{\footparindent}
8149 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}

```



```

8150 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8151 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8152 \bidi@ensure@newcommand{\footfootmark}{%
8153   \ifdim\footmarkwidth < \z@
8154     \llap{\hb@xt@ -\footmarkwidth{%
8155       \hss\normalfont\footscript{\@thefnmark}}}%
8156     \hspace*{-\footmarkwidth}}%
8157   \else
8158     \ifdim\footmarkwidth = \z@
8159       {\normalfont\footscript{\@thefnmark}}%
8160     \else
8161       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8162     \fi
8163   \fi}
8164 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8165   \ifdim\footmarkwidth < \z@
8166     \llap{\hb@xt@ -\footmarkwidth{%
8167       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8168     \hspace*{-\footmarkwidth}}%
8169   \else
8170     \ifdim\footmarkwidth = \z@
8171       {\normalfont\LTRfootscript{\@thefnmark}}%
8172     \else
8173       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8174     \fi
8175   \fi}
8176 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8177   \ifdim\footmarkwidth < \z@
8178     \llap{\hb@xt@ -\footmarkwidth{%
8179       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8180     \hspace*{-\footmarkwidth}}%
8181   \else
8182     \ifdim\footmarkwidth = \z@
8183       {\normalfont\RTLfootscript{\@thefnmark}}%
8184     \else
8185       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8186     \fi
8187   \fi}
8188 \footmarkstyle{\textsuperscript{#1}}
8189 \LTRfootmarkstyle{\textsuperscript{#1}}
8190 \RTLfootmarkstyle{\textsuperscript{#1}}
8191 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8192 \setlength{\footparindent}{1em}
8193 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8194 \bidi@ensure@newcommand*{\extrafeetins}{%
8195   \setbox\@outputbox \vbox{%
8196     \boxmaxdepth \@maxdepth
8197     \unvbox\@outputbox
8198     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8199     \extrafeetinshook}}

```



```

8200 \bidi@ensure@newcommand{\extrafeetinshook}{%
8201 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8202 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8203 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8204 \bidi@ensure@newlength{\footinsdim}
8205 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8206 \bidi@ensure@newcommand{\@preamfntext}{%
8207 \interlinepenalty\interfootnotelinepenalty
8208 \floatingpenalty \@MM
8209 \splittopskip=\footnotesep
8210 \splitmaxdepth=\dp\strutbox
8211 \@parboxrestore}
8212 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8213 \extrafeetminihook}
8214 \bidi@ensure@newcommand{\extrafeetendmini}{%
8215 \ifvoid\@mpfootinsv@r\else
8216 \vskip\skip\@mpfootins
8217 \normalcolor\footnoterule\mp@footgroupv@r
8218 \fi
8219 \extrafeetendminihook}
8220 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8221 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8222 \def\endminipage{%
8223 \par
8224 \unskip
8225 \ifvoid\@mpfootins\else
8226 \vskip\skip\@mpfootins
8227 \normalcolor
8228 \footnoterule
8229 \unvbox\@mpfootins
8230 \fi
8231 \m@mdoextrafeetendmini
8232 \@minipagefalse
8233 \color@endgroup
8234 \egroup
8235 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8236 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8237 \@namedef{@footstart#1}{%
8238 \bidi@mopfn@bottom
8239 \vskip\bigskipamount
8240 \leftskip=\z@
8241 \rightskip=\z@
8242 \footnoterule}}
8243 \newinsert\footinsv@r
8244 \skip\footinsv@r\bigskipamount
8245 \count\footinsv@r=1000 % no magnification
8246 \dimen\footinsv@r=\footinsdim
8247 \m@make@footstart{v@r}
8248 \bidi@ensure@newcommand{\@footgroupv@r}{%
8249 \newinsert\@mpfootinsv@r

```



```

8250 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8251 \newcount\m@m@k \newdimen\m@m@h
8252 \@ifpackageloaded{multicol}{%
8253 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8254 \hsize\textwidth
8255 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8256 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8257 }{%
8258 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8259 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8260 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8261 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8262 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8263 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8264 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8265 \setbox2 \vsplit0 to \dimen0
8266 \unvbox2 }
8267 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8268 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8269 \let\@footnotetext\@twocolfootnotetext
8270 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8271 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8272 \dimen\footinsv@r=2\footinsdim
8273 \count\footinsv@r=500\relax
8274 \m@make@twocol@footgroup{v@r}%
8275 \let\@footgroupv@r\@twocol@footgroupv@r
8276 \let\@mpfootnotetext\@mptwocolfootnotetext
8277 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8278 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8279 \m@make@mptwocol@footgroup{v@r}%
8280 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
8281 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
8282 \def\baselinestretch{\m@m@footnote@spacing}%
8283 \reset@font\foottextfont
8284 \@preamfntext
8285 \protected@edef\@currentlabel{%
8286 \csname p@footnote\endcsname\@thefnmark}%
8287 \color@begingroup
8288 \@twocolfootfmt{#1}%
8289 \color@endgroup}%
8290 \m@mmf@prepare}
8291 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
8292 \def\baselinestretch{\m@m@footnote@spacing}%
8293 \reset@font\LTRfoottextfont
8294 \@preamfntext
8295 \protected@edef\@currentlabel{%
8296 \csname p@footnote\endcsname\@thefnmark}%
8297 \color@begingroup
8298 \@twocolLTRfootfmt{#1}%
8299 \color@endgroup}%

```



```

8300 \m@mmf@prepare}
8301 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8302 \def\baselinestretch{\m@m@footnote@spacing}%
8303 \reset@font\RTLfoottextfont
8304 \@preamfntext
8305 \protected@edef\@currentlabel{%
8306 \csname p@footnote\endcsname\@thefnmark}%
8307 \color@begingroup
8308 \@twocolRTLfootfmt{#1}%
8309 \color@endgroup}%
8310 \m@mmf@prepare}
8311 \bidi@ensure@newcommand{\@preamtwofmt}{%
8312 \hsize .45\hsize
8313 \parindent=\z@
8314 \tolerance=5000\relax
8315 \leavevmode}
8316 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8317 \@preamtwofmt
8318 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8319 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8320 \@preamtwofmt
8321 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8322 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8323 \@preamtwofmt
8324 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8325 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8326 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8327 \unvbox\@mpfootinsv@r
8328 \def\baselinestretch{\m@m@footnote@spacing}%
8329 \reset@font\foottextfont
8330 \hsize\columnwidth \@parboxrestore
8331 \protected@edef\@currentlabel{%
8332 \csname p@mpfootnote\endcsname\@thefnmark}%
8333 \color@begingroup
8334 \@twocolfootfmt{#1}%
8335 \color@endgroup}%
8336 \m@mmf@prepare}
8337 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8338 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8339 \unvbox\@mpfootinsv@r
8340 \def\baselinestretch{\m@m@footnote@spacing}%
8341 \reset@font\LTRfoottextfont
8342 \hsize\columnwidth \@parboxrestore
8343 \if@RTLcolumnfootnotes\beginL\fi
8344 \protected@edef\@currentlabel{%
8345 \csname p@mpfootnote\endcsname\@thefnmark}%
8346 \color@begingroup
8347 \@twocolLTRfootfmt{#1}%
8348 \color@endgroup}%
8349 \m@mmf@prepare}

```



```

8350 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8351   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8352     \unvbox\@mpfootinsv@r
8353     \def\baselinestretch{\m@m@footnote@spacing}%
8354     \reset@font\RTLfoottextfont
8355     \hsize\columnwidth \@parboxrestore
8356     \protected@edef\@currentlabel{%
8357       \csname p@mpfootnote\endcsname\@thefnmark}%
8358     \color@begingroup
8359       \@twocolRTLfootfmt{#1}%
8360     \color@endgroup}%
8361   \m@mmf@prepare}
8362 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8363   \m@make@twocolfootnotetext{#1}%
8364   \m@make@mptwocolfootnotetext{#1}%
8365   \m@make@twocolfootfmt{#1}%
8366   \m@make@twocol@footgroup{#1}%
8367   \m@make@mptwocol@footgroup{#1}%
8368   \m@make@footstart{#1}%
8369   \bidi@namelongdef{\@footnotetext#1}##1{%
8370     \@nameuse{\@twocolfootnotetext#1}{##1}}%
8371   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8372     \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
8373   \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
8374   \@namedef{\mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
8375   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8376   \expandafter\count\csname footins#1\endcsname=500\relax}
8377 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8378   \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
8379     \insert\@nameuse{footins#1}{%
8380       \def\baselinestretch{\m@m@footnote@spacing}%
8381       \reset@font\@nameuse{foottextfont#1}%
8382       \@preamfntext
8383       \protected@edef\@currentlabel{%
8384         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
8385       \color@begingroup
8386         \@nameuse{\@twocolfootfmt#1}{##1}%
8387       \color@endgroup}%
8388     \m@mmf@prepare}}
8389 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8390   \bidi@namelongdef{\@mptwocolfootnotetext#1}##1{%
8391     \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
8392       \unvbox\@nameuse{\@mpfootins#1}
8393       \def\baselinestretch{\m@m@footnote@spacing}%
8394       \reset@font\@nameuse{foottextfont#1}%
8395       \hsize\columnwidth \@parboxrestore
8396       \protected@edef\@currentlabel{%
8397         \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
8398       \color@begingroup
8399         \@nameuse{\@twocolfootfmt#1}{##1}%

```



```

8400 \color@endgroup}\m@mmf@prepare}}
8401 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8402 \@namedef{@twocolfootfmt#1}##1{%
8403 \@preamtwofmt
8404 {\@nameuse{footfootmark#1}\strut
8405 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8406 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8407 \@namedef{@twocol@footgroup#1}{%
8408 \def\baselinestretch{\m@m@footnote@spacing}%
8409 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8410 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8411 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8412 \@namedef{@mptwocol@footgroup#1}{%
8413 \def\baselinestretch{\m@m@footnote@spacing}%
8414 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8415 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8416 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8417 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8418 \let\@footnotetext\@threecolfootnotetext
8419 \let\@LTRfootnotetext\@threecolLTRfootnotetext
8420 \let\@RTLfootnotetext\@threecolRTLfootnotetext
8421 \dimen\footinsv@r=3\footinsdim
8422 \count\footinsv@r=333\relax
8423 \m@make@threecol@footgroup{v@r}%
8424 \let\@footgroupv@r\@threecol@footgroupv@r
8425 \let\@mpfootnotetext\@mpthreecolfootnotetext
8426 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8427 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8428 \m@make@mpthreecol@footgroup{v@r}%
8429 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
8430 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8431 \def\baselinestretch{\m@m@footnote@spacing}%
8432 \reset@font\foottextfont
8433 \@preamfntext
8434 \protected@edef\@currentlabel{%
8435 \csname p@footnote\endcsname\@thefnmark}%
8436 \color@begingroup
8437 \@threecolfootfmt{#1}%
8438 \color@endgroup}\m@mmf@prepare}
8439 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8440 \def\baselinestretch{\m@m@footnote@spacing}%
8441 \reset@font\LTRfoottextfont
8442 \@preamfntext
8443 \protected@edef\@currentlabel{%
8444 \csname p@footnote\endcsname\@thefnmark}%
8445 \color@begingroup
8446 \@threecolLTRfootfmt{#1}%
8447 \color@endgroup}\m@mmf@prepare}
8448 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8449 \def\baselinestretch{\m@m@footnote@spacing}%

```





```

8450 \reset@font\RTLfoottextfont
8451 \@preamfntext
8452 \protected@edef\@currentlabel{%
8453   \csname p@footnote\endcsname\@thefnmark}%
8454 \color@begingroup
8455   \@threecolRTLfootfmt{#1}%
8456 \color@endgroup}\m@mmf@prepare}
8457 \bidi@ensure@newcommand{\@preamthreefmt}{%
8458   \hspace{.3\hspace}
8459   \parindent=\z@
8460   \tolerance=5000\relax
8461   \leavevmode}
8462 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8463   \@preamthreefmt
8464   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8465 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8466   \@preamthreefmt
8467   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8468 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8469   \@preamthreefmt
8470   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8471 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8472   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8473     \unvbox\@mpfootinsv@r
8474     \def\baselinestretch{\m@mm@footnote@spacing}%
8475     \reset@font\foottextfont
8476     \hspace\columnwidth \@parboxrestore
8477     \protected@edef\@currentlabel{%
8478       \csname p@mpfootnote\endcsname\@thefnmark}%
8479     \color@begingroup
8480       \@threecolfootfmt{#1}%
8481     \color@endgroup}\m@mmf@prepare}
8482 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8483   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8484     \unvbox\@mpfootinsv@r
8485     \def\baselinestretch{\m@mm@footnote@spacing}%
8486     \reset@font\LTRfoottextfont
8487     \hspace\columnwidth \@parboxrestore
8488     \if@RTLcolumnfootnotes\beginL\fi
8489     \protected@edef\@currentlabel{%
8490       \csname p@mpfootnote\endcsname\@thefnmark}%
8491     \color@begingroup
8492       \@threecolLTRfootfmt{#1}%
8493     \color@endgroup}\m@mmf@prepare}
8494 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8495   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8496     \unvbox\@mpfootinsv@r
8497     \def\baselinestretch{\m@mm@footnote@spacing}%
8498     \reset@font\RTLfoottextfont
8499     \hspace\columnwidth \@parboxrestore

```



```

8500 \protected@edef\@currentlabel{%
8501 \csname p@mpfootnote\endcsname\@thefnmark}%
8502 \color@begingroup
8503 \@threecolRTLfootfmt{#1}%
8504 \color@endgroup}\m@mmf@prepare}
8505 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
8506 \m@make@threecolfootnotetext{#1}%
8507 \m@make@mpthreecolfootnotetext{#1}%
8508 \m@make@threecolfootfmt{#1}%
8509 \m@make@threecol@footgroup{#1}%
8510 \m@make@mpthreecol@footgroup{#1}%
8511 \m@make@footstart{#1}%
8512 \bidi@namelongdef{\footnotetext#1}##1{%
8513 \nameuse{\threecolfootnotetext#1}{##1}}%
8514 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8515 \nameuse{\mpthreecolfootnotetext#1}{##1}}%
8516 \namedef{\footgroup#1}{\nameuse{\threecol@footgroup#1}}%
8517 \namedef{\mp@footgroup#1}{\nameuse{\mpthreecol@footgroup#1}}%
8518 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8519 \expandafter\count\csname footins#1\endcsname=333\relax}
8520 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8521 \bidi@namelongdef{\threecolfootnotetext#1}##1{%
8522 \insert\nameuse{footins#1}{%
8523 \def\baselinestretch{\m@m@footnote@spacing}%
8524 \reset@font\nameuse{foottextfont#1}%
8525 \@preamfntext
8526 \protected@edef\@currentlabel{%
8527 \csname p@footnote#1\endcsname \nameuse{\@thefnmark#1}}%
8528 \color@begingroup
8529 \nameuse{\threecolfootfmt#1}{##1}%
8530 \color@endgroup}\m@mmf@prepare}}
8531 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8532 \bidi@namelongdef{\mpthreecolfootnotetext#1}##1{%
8533 \global\setbox\nameuse{\mpfootins#1}\vbox{%
8534 \unvbox\nameuse{\mpfootins#1}
8535 \def\baselinestretch{\m@m@footnote@spacing}%
8536 \reset@font\nameuse{foottextfont#1}%
8537 \hsize\columnwidth \@parboxrestore
8538 \protected@edef\@currentlabel{%
8539 \csname p@mpfootnote#1\endcsname\nameuse{\@thefnmark#1}}%
8540 \color@begingroup
8541 \nameuse{\threecolfootfmt#1}{##1}%
8542 \color@endgroup}\m@mmf@prepare}}
8543 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8544 \bidi@namelongdef{\threecolfootfmt#1}##1{%
8545 \@preamthreefmt
8546 {\nameuse{footfootmark#1}\strut
8547 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8548 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8549 \namedef{\threecol@footgroup#1}{%

```



```

8550 \def\baselinestretch{\m@m@footnote@spacing}%
8551 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8552 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8553 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8554 \@namedef{@mpthreecol@footgroup#1}{%
8555 \def\baselinestretch{\m@m@footnote@spacing}%
8556 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8557 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
8558 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8559 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8560 \let\@footnotetext\@fourcolfootnotetext
8561 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8562 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8563 \dimen\footinsv@r=4\footinsdim
8564 \count\footinsv@r=250\relax
8565 \m@make@fourcol@footgroup{v@r}%
8566 \let\@footgroupv@r\@fourcol@footgroupv@r
8567 \let\@mpfootnotetext\@mpfourcolfootnotetext
8568 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8569 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8570 \m@make@mpfourcol@footgroup{v@r}%
8571 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8572 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8573 \def\baselinestretch{\m@m@footnote@spacing}%
8574 \reset@font\foottextfont
8575 \@preamfntext
8576 \protected@edef\@currentlabel{%
8577 \csname p@footnote\endcsname\@thefnmark}%
8578 \color@begingroup
8579 \@fourcolfootfmt{#1}%
8580 \color@endgroup}%
8581 \m@mmf@prepare}
8582 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8583 \def\baselinestretch{\m@m@footnote@spacing}%
8584 \reset@font\LTRfoottextfont
8585 \@preamfntext
8586 \protected@edef\@currentlabel{%
8587 \csname p@footnote\endcsname\@thefnmark}%
8588 \color@begingroup
8589 \@fourcolLTRfootfmt{#1}%
8590 \color@endgroup}%
8591 \m@mmf@prepare}
8592 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8593 \def\baselinestretch{\m@m@footnote@spacing}%
8594 \reset@font\RTLfoottextfont
8595 \@preamfntext
8596 \protected@edef\@currentlabel{%
8597 \csname p@footnote\endcsname\@thefnmark}%
8598 \color@begingroup
8599 \@fourcolRTLfootfmt{#1}%

```



```

8600 \color@endgroup}%
8601 \m@mmf@prepare}
8602 \bidi@ensure@newcommand{\@preamfourfmt}{%
8603 \hspace .25\hspace
8604 \parindent=\z@
8605 \tolerance=5000\relax
8606 \leavevmode}
8607 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
8608 \@preamfourfmt
8609 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8610 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8611 \@preamfourfmt
8612 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8613 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8614 \@preamfourfmt
8615 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8616 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8617 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8618 \unvbox\@mpfootinsv@r
8619 \def\baselinestretch{\m@m@footnote@spacing}%
8620 \reset@font\foottextfont
8621 \hspace\columnwidth \@parboxrestore
8622 \protected@edef\@currentlabel{%
8623 \csname p@mpfootnote\endcsname\@thefnmark}%
8624 \color@begingroup
8625 \@fourcolfootfmt{#1}%
8626 \color@endgroup}%
8627 \m@mmf@prepare}
8628 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8629 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8630 \unvbox\@mpfootinsv@r
8631 \def\baselinestretch{\m@m@footnote@spacing}%
8632 \reset@font\LTRfoottextfont
8633 \hspace\columnwidth \@parboxrestore
8634 \if@RTLcolumnfootnotes\beginL\fi
8635 \protected@edef\@currentlabel{%
8636 \csname p@mpfootnote\endcsname\@thefnmark}%
8637 \color@begingroup
8638 \@fourcolLTRfootfmt{#1}%
8639 \color@endgroup}%
8640 \m@mmf@prepare}
8641 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8642 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8643 \unvbox\@mpfootinsv@r
8644 \def\baselinestretch{\m@m@footnote@spacing}%
8645 \reset@font\RTLfoottextfont
8646 \hspace\columnwidth \@parboxrestore
8647 \protected@edef\@currentlabel{%
8648 \csname p@mpfootnote\endcsname\@thefnmark}%
8649 \color@begingroup

```



```

8650 \fourcolRTLfootfmt{#1}%
8651 \color@endgroup}%
8652 \m@mmf@prepare}
8653 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8654 \m@make@fourcolfootnotetext{#1}%
8655 \m@make@mpfourcolfootnotetext{#1}%
8656 \m@make@fourcolfootfmt{#1}%
8657 \m@make@fourcol@footgroup{#1}%
8658 \m@make@mpfourcol@footgroup{#1}%
8659 \m@make@footstart{#1}%
8660 \bidi@namelongdef{@footnotetext#1}##1{%
8661 \nameuse{@fourcolfootnotetext#1}##1}%
8662 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8663 \nameuse{@mpfourcolfootnotetext#1}##1}%
8664 \namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
8665 \namedef{@mpfootgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
8666 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8667 \expandafter\count\csname footins#1\endcsname=500\relax}
8668 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8669 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8670 \insert\nameuse{footins#1}{%
8671 \def\baselinestretch{\m@m@footnote@spacing}%
8672 \reset@font\nameuse{foottextfont#1}%
8673 \@preamfntext
8674 \protected@edef\currentlabel{%
8675 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8676 \color@begingroup
8677 \nameuse{@fourcolfootfmt#1}##1}%
8678 \color@endgroup}%
8679 \m@mmf@prepare}}
8680 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8681 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8682 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8683 \unvbox\nameuse{@mpfootins#1}
8684 \def\baselinestretch{\m@m@footnote@spacing}%
8685 \reset@font\nameuse{foottextfont#1}%
8686 \hsize\columnwidth \@parboxrestore
8687 \protected@edef\currentlabel{%
8688 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8689 \color@begingroup
8690 \nameuse{@fourcolfootfmt#1}##1}%
8691 \color@endgroup}\m@mmf@prepare}}
8692 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8693 \namedef{@fourcolfootfmt#1}##1{%
8694 \@preamfourfmt
8695 {\nameuse{footfootmark#1}\strut
8696 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8697 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8698 \namedef{@fourcol@footgroup#1}{%
8699 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8700 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8701 \m@r rigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
8702 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8703 \namedef{@mpfourcol@footgroup#1}{%
8704 \def\baselinestretch{\m@mm@footnote@spacing}%
8705 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8706 \m@r rigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
8707 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8708 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8709 \let\@footnotetext\@fivecolfootnotetext
8710 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8711 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8712 \dimen\footinsv@r=5\footinsdim
8713 \count\footinsv@r=200\relax
8714 \m@make@fivecol@footgroup{v@r}%
8715 \let\@footgroupv@r\@fivecol@footgroupv@r
8716 \let\@mpfootnotetext\@mpfivecolfootnotetext
8717 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8718 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8719 \m@make@mpfivecol@footgroup{v@r}%
8720 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
8721 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8722 \def\baselinestretch{\m@mm@footnote@spacing}%
8723 \reset@font\foottextfont
8724 \@preamfntext
8725 \protected@edef\@currentlabel{%
8726 \csname p@footnote\endcsname\@thefnmark}%
8727 \color@begingroup
8728 \@fivecolfootfmt{#1}%
8729 \color@endgroup}%
8730 \m@mmf@prepare}
8731 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
8732 \def\baselinestretch{\m@mm@footnote@spacing}%
8733 \reset@font\LTRfoottextfont
8734 \@preamfntext
8735 \protected@edef\@currentlabel{%
8736 \csname p@footnote\endcsname\@thefnmark}%
8737 \color@begingroup
8738 \@fivecolLTRfootfmt{#1}%
8739 \color@endgroup}%
8740 \m@mmf@prepare}
8741 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8742 \def\baselinestretch{\m@mm@footnote@spacing}%
8743 \reset@font\RTLfoottextfont
8744 \@preamfntext
8745 \protected@edef\@currentlabel{%
8746 \csname p@footnote\endcsname\@thefnmark}%
8747 \color@begingroup
8748 \@fivecolRTLfootfmt{#1}%
8749 \color@endgroup}%

```



```

8750 \m@mmf@prepare}
8751 \bidi@ensure@newcommand{\@preamfivefmt}{%
8752 \hsize .2\hsize
8753 \parindent=\z@
8754 \tolerance=5000\relax
8755 \leavevmode}
8756 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8757 \@preamfivefmt
8758 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8759 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
8760 \@preamfivefmt
8761 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8762 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8763 \@preamfivefmt
8764 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8765 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8766 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8767 \unvbox\@mpfootinsv@r
8768 \def\baselinestretch{\m@m@footnote@spacing}%
8769 \reset@font\foottextfont
8770 \hsize\columnwidth \@parboxrestore
8771 \protected@edef\@currentlabel{%
8772 \csname p@mpfootnote\endcsname\@thefnmark}%
8773 \color@begingroup
8774 \@fivecolfootfmt{#1}%
8775 \color@endgroup}%
8776 \m@mmf@prepare}
8777 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8778 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8779 \unvbox\@mpfootinsv@r
8780 \def\baselinestretch{\m@m@footnote@spacing}%
8781 \reset@font\LTRfoottextfont
8782 \hsize\columnwidth \@parboxrestore
8783 \if@RTLcolumnfootnotes\beginL\fi
8784 \protected@edef\@currentlabel{%
8785 \csname p@mpfootnote\endcsname\@thefnmark}%
8786 \color@begingroup
8787 \@fivecolLTRfootfmt{#1}%
8788 \color@endgroup}%
8789 \m@mmf@prepare}
8790 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8791 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8792 \unvbox\@mpfootinsv@r
8793 \def\baselinestretch{\m@m@footnote@spacing}%
8794 \reset@font\RTLfoottextfont
8795 \hsize\columnwidth \@parboxrestore
8796 \protected@edef\@currentlabel{%
8797 \csname p@mpfootnote\endcsname\@thefnmark}%
8798 \color@begingroup
8799 \@fivecolRTLfootfmt{#1}%

```



```

8800 \color@endgroup}%
8801 \m@mmf@prepare}
8802 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8803 \m@make@fivecolfootnotetext{#1}%
8804 \m@make@mpfivecolfootnotetext{#1}%
8805 \m@make@fivecolfootfmt{#1}%
8806 \m@make@fivecol@footgroup{#1}%
8807 \m@make@mpfivecol@footgroup{#1}%
8808 \m@make@footstart{#1}%
8809 \bidi@namelongdef{@footnotetext#1}##1{%
8810 \nameuse{@fivecolfootnotetext#1}##1}%
8811 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8812 \nameuse{@mpfivecolfootnotetext#1}##1}%
8813 \namedef{@footgroup#1}{\nameuse{@fivecol@footgroup#1}}%
8814 \namedef{@mp@footgroup#1}{\nameuse{@mpfivecol@footgroup#1}}%
8815 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8816 \expandafter\count\csname footins#1\endcsname=500\relax}
8817 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8818 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8819 \insert\@nameuse{footins#1}{%
8820 \def\baselinestretch{\m@m@footnote@spacing}%
8821 \reset@font\@nameuse{foottextfont#1}%
8822 \@preamfntext
8823 \protected@edef\@currentlabel{%
8824 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8825 \color@begingroup
8826 \@nameuse{@fivecolfootfmt#1}##1}%
8827 \color@endgroup}%
8828 \m@mmf@prepare}}
8829 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8830 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8831 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8832 \unvbox\@nameuse{@mpfootins#1}
8833 \def\baselinestretch{\m@m@footnote@spacing}%
8834 \reset@font\@nameuse{foottextfont#1}%
8835 \hsize\columnwidth \@parboxrestore
8836 \protected@edef\@currentlabel{%
8837 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8838 \color@begingroup
8839 \@nameuse{@fivecolfootfmt#1}##1}%
8840 \color@endgroup}\m@mmf@prepare}}
8841 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8842 \namedef{@fivecolfootfmt#1}##1{%
8843 \@preamfivefmt
8844 {\@nameuse{footfootmark#1}\strut
8845 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8846 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8847 \namedef{@fivecol@footgroup#1}{%
8848 \def\baselinestretch{\m@m@footnote@spacing}%
8849 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```





```

8850 \m@mrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
8851 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8852 \@namedef{@mpfivecol@footgroup#1}{%
8853 \def\baselinestretch{\m@footnote@spacing}%
8854 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8855 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
8856 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8857 \@namedef{foottextfont#1}{\foottextfont}% % [RS]
8858 \let\@footnotetext\@sixcolfootnotetext
8859 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8860 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8861 \dimen\footinsv@r=6\footinsdim
8862 \count\footinsv@r=166\relax
8863 \m@make@sixcol@footgroup{v@r}%
8864 \let\@footgroupv@r\@sixcol@footgroupv@r
8865 \let\@mpfootnotetext\@mpsixcolfootnotetext
8866 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8867 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8868 \m@make@mpsixcol@footgroup{v@r}%
8869 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
8870 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8871 \def\baselinestretch{\m@footnote@spacing}%
8872 \reset@font\foottextfont
8873 \@preamfntext
8874 \protected@edef\@currentlabel{%
8875 \csname p@footnote\endcsname\@thefnmark}%
8876 \color@begingroup
8877 \@sixcolfootfmt{#1}%
8878 \color@endgroup}%
8879 \m@mmf@prepare}
8880 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8881 \def\baselinestretch{\m@footnote@spacing}%
8882 \reset@font\LTRfoottextfont
8883 \@preamfntext
8884 \protected@edef\@currentlabel{%
8885 \csname p@footnote\endcsname\@thefnmark}%
8886 \color@begingroup
8887 \@sixcolLTRfootfmt{#1}%
8888 \color@endgroup}%
8889 \m@mmf@prepare}
8890 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8891 \def\baselinestretch{\m@footnote@spacing}%
8892 \reset@font\RTLfoottextfont
8893 \@preamfntext
8894 \protected@edef\@currentlabel{%
8895 \csname p@footnote\endcsname\@thefnmark}%
8896 \color@begingroup
8897 \@sixcolRTLfootfmt{#1}%
8898 \color@endgroup}%
8899 \m@mmf@prepare}

```



```

8900 \bidi@ensure@newcommand{\@preamsixfmt}{%
8901   \hsize .16\hsize
8902   \parindent=\z@
8903   \tolerance=5000\relax
8904   \leavevmode}
8905 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8906   \@preamsixfmt
8907   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8908 \bidi@ensure@newcommand{\@sixcollTRfootfmt}[1]{%
8909   \@preamsixfmt
8910   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8911 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
8912   \@preamsixfmt
8913   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8914 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8915   \global\setbox\@mpfootinsv@r\vbox{%
8916     \unvbox\@mpfootinsv@r
8917     \def\baselinestretch{\m@m@footnote@spacing}%
8918     \reset@font\foottextfont
8919     \hsize\columnwidth \@parboxrestore
8920     \protected@edef\@currentlabel{%
8921       \csname p@mpfootnote\endcsname\@thefnmark}%
8922     \color@begingroup
8923       \@sixcolfootfmt{#1}%
8924     \color@endgroup}%
8925   \m@mmf@prepare}
8926 \bidi@ensure@newcommand{\@mpsixcollTRfootnotetext}[1]{\@RTLfalse%
8927   \global\setbox\@mpfootinsv@r\vbox{%
8928     \unvbox\@mpfootinsv@r
8929     \def\baselinestretch{\m@m@footnote@spacing}%
8930     \reset@font\LTRfoottextfont
8931     \hsize\columnwidth \@parboxrestore
8932     \if@RTLcolumnfootnotes\beginL\fi
8933     \protected@edef\@currentlabel{%
8934       \csname p@mpfootnote\endcsname\@thefnmark}%
8935     \color@begingroup
8936       \@sixcollTRfootfmt{#1}%
8937     \color@endgroup}%
8938   \m@mmf@prepare}
8939 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8940   \global\setbox\@mpfootinsv@r\vbox{%
8941     \unvbox\@mpfootinsv@r
8942     \def\baselinestretch{\m@m@footnote@spacing}%
8943     \reset@font\RTLfoottextfont
8944     \hsize\columnwidth \@parboxrestore
8945     \protected@edef\@currentlabel{%
8946       \csname p@mpfootnote\endcsname\@thefnmark}%
8947     \color@begingroup
8948       \@sixcolRTLfootfmt{#1}%
8949     \color@endgroup}%

```



```

8950 \m@mmf@prepare}
8951 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8952 \m@make@sixcolfootnotetext{#1}%
8953 \m@make@mpsixcolfootnotetext{#1}%
8954 \m@make@sixcolfootfmt{#1}%
8955 \m@make@sixcol@footgroup{#1}%
8956 \m@make@mpsixcol@footgroup{#1}%
8957 \m@make@footstart{#1}%
8958 \bidi@namelongdef{@footnotetext#1}##1{%
8959 \@nameuse{@sixcolfootnotetext#1}{##1}}%
8960 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8961 \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
8962 \@namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
8963 \@namedef{mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
8964 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8965 \expandafter\count\csname footins#1\endcsname=500\relax}
8966 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8967 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8968 \insert\@nameuse{footins#1}{%
8969 \def\baselinestretch{\m@m@footnote@spacing}%
8970 \reset@font\@nameuse{foottextfont#1}%
8971 \@preamfntext
8972 \protected@edef\@currentlabel{%
8973 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8974 \color@begingroup
8975 \@nameuse{@sixcolfootfmt#1}{##1}%
8976 \color@endgroup}%
8977 \m@mmf@prepare}}
8978 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8979 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8980 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8981 \unvbox\@nameuse{@mpfootins#1}
8982 \def\baselinestretch{\m@m@footnote@spacing}%
8983 \reset@font\@nameuse{foottextfont#1}%
8984 \hsize\columnwidth \@parboxrestore
8985 \protected@edef\@currentlabel{%
8986 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8987 \color@begingroup
8988 \@nameuse{@sixcolfootfmt#1}{##1}%
8989 \color@endgroup}\m@mmf@prepare}}
8990 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8991 \@namedef{@sixcolfootfmt#1}##1{%
8992 \@preamsixfmt
8993 {\@nameuse{footfootmark#1}\strut
8994 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8995 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8996 \@namedef{@sixcol@footgroup#1}{%
8997 \def\baselinestretch{\m@m@footnote@spacing}%
8998 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8999 \m@mrigidbodybalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}

```



```

9000 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9001 \@namedef{@mpsixcol@footgroup#1}{%
9002 \def\baselinestretch{\m@m@footnote@spacing}%
9003 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9004 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9005 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9006 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9007 \let\@footnotetext\@sevendcolfootnotetext
9008 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9009 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9010 \dimen\footinsv@r=7\footinsdim
9011 \count\footinsv@r=142\relax
9012 \m@make@sevendcol@footgroup{v@r}%
9013 \let\@footgroupv@r\@sevendcol@footgroupv@r
9014 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9015 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9016 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9017 \m@make@mpsevendcol@footgroup{v@r}%
9018 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9019 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9020 \def\baselinestretch{\m@m@footnote@spacing}%
9021 \reset@font\foottextfont
9022 \@preamfntext
9023 \protected@edef\@currentlabel{%
9024 \csname p@footnote\endcsname\@thefnmark}%
9025 \color@begingroup
9026 \@sevendcolfootfmt{#1}%
9027 \color@endgroup}%
9028 \m@mmf@prepare}
9029 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9030 \def\baselinestretch{\m@m@footnote@spacing}%
9031 \reset@font\LTRfoottextfont
9032 \@preamfntext
9033 \protected@edef\@currentlabel{%
9034 \csname p@footnote\endcsname\@thefnmark}%
9035 \color@begingroup
9036 \@sevendcolLTRfootfmt{#1}%
9037 \color@endgroup}%
9038 \m@mmf@prepare}
9039 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9040 \def\baselinestretch{\m@m@footnote@spacing}%
9041 \reset@font\RTLfoottextfont
9042 \@preamfntext
9043 \protected@edef\@currentlabel{%
9044 \csname p@footnote\endcsname\@thefnmark}%
9045 \color@begingroup
9046 \@sevendcolRTLfootfmt{#1}%
9047 \color@endgroup}%
9048 \m@mmf@prepare}
9049 \bidi@ensure@newcommand{\@preamsevenfmt}{%

```



```

9050 \hsize .142\hsize
9051 \parindent=\z@
9052 \tolerance=5000\relax
9053 \leavevmode}
9054 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
9055 \@preamsevenfmt
9056 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9057 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
9058 \@preamsevenfmt
9059 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9060 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
9061 \@preamsevenfmt
9062 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9063 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9064 \global\setbox\@mpfootinsv@r\vbox{%
9065 \unvbox\@mpfootinsv@r
9066 \def\baselinestretch{\m@m@footnote@spacing}%
9067 \reset@font\foottextfont
9068 \hsize\columnwidth \@parboxrestore
9069 \protected@edef\@currentlabel{%
9070 \csname p@mpfootnote\endcsname\@thefnmark}%
9071 \color@begingroup
9072 \@sevendcolfootfmt{#1}%
9073 \color@endgroup}%
9074 \m@mmf@prepare}
9075 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
9076 \global\setbox\@mpfootinsv@r\vbox{%
9077 \unvbox\@mpfootinsv@r
9078 \def\baselinestretch{\m@m@footnote@spacing}%
9079 \reset@font\LTRfoottextfont
9080 \hsize\columnwidth \@parboxrestore
9081 \if@RTLcolumnfootnotes\beginL\fi
9082 \protected@edef\@currentlabel{%
9083 \csname p@mpfootnote\endcsname\@thefnmark}%
9084 \color@begingroup
9085 \@sevendcolLTRfootfmt{#1}%
9086 \color@endgroup}%
9087 \m@mmf@prepare}
9088 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
9089 \global\setbox\@mpfootinsv@r\vbox{%
9090 \unvbox\@mpfootinsv@r
9091 \def\baselinestretch{\m@m@footnote@spacing}%
9092 \reset@font\RTLfoottextfont
9093 \hsize\columnwidth \@parboxrestore
9094 \protected@edef\@currentlabel{%
9095 \csname p@mpfootnote\endcsname\@thefnmark}%
9096 \color@begingroup
9097 \@sevendcolRTLfootfmt{#1}%
9098 \color@endgroup}%
9099 \m@mmf@prepare}

```



```

g100 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
g101   \m@make@sevendcolfootnotetext{#1}%
g102   \m@make@mpsevendcolfootnotetext{#1}%
g103   \m@make@sevendcolfootfmt{#1}%
g104   \m@make@sevendcol@footgroup{#1}%
g105   \m@make@mpsevendcol@footgroup{#1}%
g106   \m@make@footstart{#1}%
g107   \bidi@namelongdef{@footnotetext#1}##1{%
g108     \@nameuse{@sevendcolfootnotetext#1}{##1}}%
g109   \bidi@namelongdef{@mpfootnotetext#1}##1{%
g110     \@nameuse{@mpsevendcolfootnotetext#1}{##1}}%
g111   \@namedef{@footgroup#1}{\@nameuse{@sevendcol@footgroup#1}}%
g112   \@namedef{@mp@footgroup#1}{\@nameuse{@mpsevendcol@footgroup#1}}%
g113   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
g114   \expandafter\count\csname footins#1\endcsname=500\relax}
g115 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
g116   \bidi@namelongdef{@sevendcolfootnotetext#1}##1{%
g117     \insert\@nameuse{footins#1}{%
g118       \def\baselinestretch{\m@m@footnote@spacing}%
g119       \reset@font\@nameuse{foottextfont#1}%
g120       \@preamfntext
g121       \protected@edef\@currentlabel{%
g122         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
g123       \color@begingroup
g124         \@nameuse{@sevendcolfootfmt#1}{##1}%
g125       \color@endgroup}%
g126       \m@mmf@prepare}}
g127 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
g128   \bidi@namelongdef{@mpsevendcolfootnotetext#1}##1{%
g129     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
g130       \unvbox\@nameuse{@mpfootins#1}
g131       \def\baselinestretch{\m@m@footnote@spacing}%
g132       \reset@font\@nameuse{foottextfont#1}%
g133       \hsize\columnwidth \@parboxrestore
g134       \protected@edef\@currentlabel{%
g135         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
g136       \color@begingroup
g137         \@nameuse{@sevendcolfootfmt#1}{##1}%
g138       \color@endgroup}\m@mmf@prepare}}
g139 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
g140   \@namedef{@sevendcolfootfmt#1}##1{%
g141     \@preamsevenfmt
g142     {\@nameuse{footfootmark#1}\strut
g143       {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
g144 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
g145   \@namedef{@sevendcol@footgroup#1}{%
g146     \def\baselinestretch{\m@m@footnote@spacing}%
g147     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g148     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
g149 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%

```



```

9150 \@namedef{\mpsevenscol@footgroup#1}{%
9151   \def\baselinestretch{\m@{footnote@spacing}%
9152   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9153   \m@{rigidbalance}\@nameuse{\mpfootins#1}{7}{\splittopskip}}}%
9154 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9155   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9156   \let\@footnotetext\@eightcolfootnotetext
9157   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9158   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9159   \dimen\footinsv@r=8\footinsdim
9160   \count\footinsv@r=125\relax
9161   \m@{make@eightcol@footgroup}{v@r}%
9162   \let\@footgroupv@r\@eightcol@footgroupv@r
9163   \let\@mpfootnotetext\@mpeightcolfootnotetext
9164   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9165   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9166   \m@{make@mpeightcol@footgroup}{v@r}%
9167   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9168 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9169   \def\baselinestretch{\m@{footnote@spacing}%
9170   \reset@font\foottextfont
9171   \@preamfntext
9172   \protected@edef\@currentlabel{%
9173     \csname p@footnote\endcsname\@thefnmark}%
9174   \color@begingroup
9175     \@eightcolfootfmt{#1}%
9176   \color@endgroup}%
9177   \m@{mmf@prepare}}
9178 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9179   \def\baselinestretch{\m@{footnote@spacing}%
9180   \reset@font\LTRfoottextfont
9181   \@preamfntext
9182   \protected@edef\@currentlabel{%
9183     \csname p@footnote\endcsname\@thefnmark}%
9184   \color@begingroup
9185     \@eightcolLTRfootfmt{#1}%
9186   \color@endgroup}%
9187   \m@{mmf@prepare}}
9188 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9189   \def\baselinestretch{\m@{footnote@spacing}%
9190   \reset@font\RTLfoottextfont
9191   \@preamfntext
9192   \protected@edef\@currentlabel{%
9193     \csname p@footnote\endcsname\@thefnmark}%
9194   \color@begingroup
9195     \@eightcolRTLfootfmt{#1}%
9196   \color@endgroup}%
9197   \m@{mmf@prepare}}
9198 \bidi@ensure@newcommand{\@preameightfmt}{%
9199   \hspace{.125\hspace}

```



```

g200 \parindent=\z@
g201 \tolerance=5000\relax
g202 \leavevmode}
g203 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
g204 \preaheightftmt
g205 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
g206 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
g207 \preaheightftmt
g208 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
g209 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
g210 \preaheightftmt
g211 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
g212 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
g213 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
g214 \unvbox\@mpfootinsv@r
g215 \def\baselinestretch{\m@m@footnote@spacing}%
g216 \reset@font\foottextfont
g217 \hsize\columnwidth \@parboxrestore
g218 \protected@edef\@currentlabel{%
g219 \csname p@mpfootnote\endcsname\@thefnmark}%
g220 \color@begingroup
g221 \@eightcolfootfmt{#1}%
g222 \color@endgroup}%
g223 \m@m@mmf@prepare}
g224 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
g225 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
g226 \unvbox\@mpfootinsv@r
g227 \def\baselinestretch{\m@m@footnote@spacing}%
g228 \reset@font\LTRfoottextfont
g229 \hsize\columnwidth \@parboxrestore
g230 \if@RTLcolumnfootnotes\beginL\fi
g231 \protected@edef\@currentlabel{%
g232 \csname p@mpfootnote\endcsname\@thefnmark}%
g233 \color@begingroup
g234 \@eightcolLTRfootfmt{#1}%
g235 \color@endgroup}%
g236 \m@m@mmf@prepare}
g237 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
g238 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
g239 \unvbox\@mpfootinsv@r
g240 \def\baselinestretch{\m@m@footnote@spacing}%
g241 \reset@font\RTLfoottextfont
g242 \hsize\columnwidth \@parboxrestore
g243 \protected@edef\@currentlabel{%
g244 \csname p@mpfootnote\endcsname\@thefnmark}%
g245 \color@begingroup
g246 \@eightcolRTLfootfmt{#1}%
g247 \color@endgroup}%
g248 \m@m@mmf@prepare}
g249 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%

```





```

9250 \m@make@eightcolfootnotetext{#1}%
9251 \m@make@mpeightcolfootnotetext{#1}%
9252 \m@make@eightcolfootfmt{#1}%
9253 \m@make@eightcol@footgroup{#1}%
9254 \m@make@mpeightcol@footgroup{#1}%
9255 \m@make@footstart{#1}%
9256 \bidi@namelongdef{@footnotetext#1}##1{%
9257   \@nameuse{@eightcolfootnotetext#1}{##1}}%
9258 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9259   \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
9260 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
9261 \@namedef{@mp@footgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
9262 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9263 \expandafter\count\csname footins#1\endcsname=500\relax}
9264 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9265   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9266     \insert\@nameuse{footins#1}{%
9267       \def\baselinestretch{\m@m@footnote@spacing}%
9268       \reset@font\@nameuse{foottextfont#1}%
9269       \@preamfntext
9270       \protected@edef\@currentlabel{%
9271         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9272       \color@begingroup
9273         \@nameuse{@eightcolfootfmt#1}{##1}%
9274       \color@endgroup}%
9275       \m@mmf@prepare}}
9276 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9277   \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9278     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9279       \unvbox\@nameuse{@mpfootins#1}
9280       \def\baselinestretch{\m@m@footnote@spacing}%
9281       \reset@font\@nameuse{foottextfont#1}%
9282       \hsize\columnwidth \@parboxrestore
9283       \protected@edef\@currentlabel{%
9284         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9285       \color@begingroup
9286         \@nameuse{@eightcolfootfmt#1}{##1}%
9287       \color@endgroup}\m@mmf@prepare}}
9288 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9289   \@namedef{@eightcolfootfmt#1}##1{%
9290     \@preameightfmt
9291     {\@nameuse{footfootmark#1}\strut
9292       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9293 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9294   \@namedef{@eightcol@footgroup#1}{%
9295     \def\baselinestretch{\m@m@footnote@spacing}%
9296     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9297     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9298 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9299   \@namedef{@mpeightcol@footgroup#1}{%

```



```

9300 \def\baselinestretch{\m@m@footnote@spacing}%
9301 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9302 \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
9303 \bidi@ensure@newcommand{\necolumnfootnotes}{%
9304 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9305 \let\@footnotetext\@necolfootnotetext
9306 \let\@LTRfootnotetext\@necolLTRfootnotetext
9307 \let\@RTLfootnotetext\@necolRTLfootnotetext
9308 \dimen\footinsv@r=9\footinsdim
9309 \count\footinsv@r=111\relax
9310 \m@make@necol@footgroup{v@r}%
9311 \let\@footgroupv@r\@necol@footgroupv@r
9312 \let\@mpfootnotetext\@mpnecolfootnotetext
9313 \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
9314 \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
9315 \m@make@mpnecol@footgroup{v@r}%
9316 \let\mp@footgroupv@r\@mpnecol@footgroupv@r
9317 \bidi@ensure@newcommand{\@necolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9318 \def\baselinestretch{\m@m@footnote@spacing}%
9319 \reset@font\foottextfont
9320 \@preamfntext
9321 \protected@edef\@currentlabel{%
9322 \csname p@footnote\endcsname\@thefnmark}%
9323 \color@begingroup
9324 \@necolfootfmt{#1}%
9325 \color@endgroup}%
9326 \m@mmf@prepare}
9327 \bidi@ensure@newcommand{\@necolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9328 \def\baselinestretch{\m@m@footnote@spacing}%
9329 \reset@font\LTRfoottextfont
9330 \@preamfntext
9331 \protected@edef\@currentlabel{%
9332 \csname p@footnote\endcsname\@thefnmark}%
9333 \color@begingroup
9334 \@necolLTRfootfmt{#1}%
9335 \color@endgroup}%
9336 \m@mmf@prepare}
9337 \bidi@ensure@newcommand{\@necolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9338 \def\baselinestretch{\m@m@footnote@spacing}%
9339 \reset@font\RTLfoottextfont
9340 \@preamfntext
9341 \protected@edef\@currentlabel{%
9342 \csname p@footnote\endcsname\@thefnmark}%
9343 \color@begingroup
9344 \@necolRTLfootfmt{#1}%
9345 \color@endgroup}%
9346 \m@mmf@prepare}
9347 \bidi@ensure@newcommand{\@preamninefmt}{%
9348 \hsize .1\hsize
9349 \parindent=\z@

```



```

9350 \tolerance=5000\relax
9351 \leavevmode}
9352 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9353 \@preamninefmt
9354 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9355 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9356 \@preamninefmt
9357 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9358 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9359 \@preamninefmt
9360 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9361 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9362 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9363 \unvbox\@mpfootinsv@r
9364 \def\baselinestretch{\m@m@footnote@spacing}%
9365 \reset@font\foottextfont
9366 \hsize\columnwidth \@parboxrestore
9367 \protected@edef\@currentlabel{%
9368 \csname p@mpfootnote\endcsname\@thefnmark}%
9369 \color@begingroup
9370 \@ninecolfootfmt{#1}%
9371 \color@endgroup}%
9372 \m@mmf@prepare}
9373 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9374 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9375 \unvbox\@mpfootinsv@r
9376 \def\baselinestretch{\m@m@footnote@spacing}%
9377 \reset@font\LTRfoottextfont
9378 \hsize\columnwidth \@parboxrestore
9379 \if@RTLcolumnfootnotes\beginL\fi
9380 \protected@edef\@currentlabel{%
9381 \csname p@mpfootnote\endcsname\@thefnmark}%
9382 \color@begingroup
9383 \@ninecolLTRfootfmt{#1}%
9384 \color@endgroup}%
9385 \m@mmf@prepare}
9386 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9387 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9388 \unvbox\@mpfootinsv@r
9389 \def\baselinestretch{\m@m@footnote@spacing}%
9390 \reset@font\RTLfoottextfont
9391 \hsize\columnwidth \@parboxrestore
9392 \protected@edef\@currentlabel{%
9393 \csname p@mpfootnote\endcsname\@thefnmark}%
9394 \color@begingroup
9395 \@ninecolRTLfootfmt{#1}%
9396 \color@endgroup}%
9397 \m@mmf@prepare}
9398 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
9399 \m@make@ninecolfootnotetext{#1}%

```



```

9400 \m@make@mpninecolfootnotetext{#1}%
9401 \m@make@ninecolfootfmt{#1}%
9402 \m@make@ninecol@footgroup{#1}%
9403 \m@make@mpninecol@footgroup{#1}%
9404 \m@make@footstart{#1}%
9405 \bidi@namelongdef{@footnotetext#1}##1{%
9406     \@nameuse{@ninecolfootnotetext#1}{##1}}%
9407 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9408     \@nameuse{@mpninecolfootnotetext#1}{##1}}%
9409 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
9410 \@namedef{@mp@footgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
9411 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9412 \expandafter\count\csname footins#1\endcsname=500\relax}
9413 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9414     \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
9415         \insert\@nameuse{footins#1}{%
9416             \def\baselinestretch{\m@m@footnote@spacing}%
9417             \reset@font\@nameuse{foottextfont#1}%
9418             \@preamfntext
9419             \protected@edef\@currentlabel{%
9420                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9421             \color@begingroup
9422                 \@nameuse{@ninecolfootfmt#1}{##1}%
9423             \color@endgroup}%
9424             \m@m@mmf@prepare}}
9425 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
9426     \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
9427         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9428             \unvbox\@nameuse{@mpfootins#1}
9429             \def\baselinestretch{\m@m@footnote@spacing}%
9430             \reset@font\@nameuse{foottextfont#1}%
9431             \hsize\columnwidth \@parboxrestore
9432             \protected@edef\@currentlabel{%
9433                 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9434             \color@begingroup
9435                 \@nameuse{@ninecolfootfmt#1}{##1}%
9436             \color@endgroup}\m@m@mmf@prepare}}
9437 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9438     \@namedef{@ninecol@footfmt#1}##1{%
9439         \@preamninefmt
9440         {\@nameuse{footfootmark#1}\strut
9441             {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9442 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
9443     \@namedef{@ninecol@footgroup#1}{%
9444         \def\baselinestretch{\m@m@footnote@spacing}%
9445         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9446         \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
9447 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
9448     \@namedef{@mpninecol@footgroup#1}{%
9449         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9450 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9451 \m@r rigidbalance{\nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
9452 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
9453 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9454 \let\@footnotetext\@tencolfootnotetext
9455 \let\@LTRfootnotetext\@tencolLTRfootnotetext
9456 \let\@RTLfootnotetext\@tencolRTLfootnotetext
9457 \dimen\footinsv@r=10\footinsdim
9458 \count\footinsv@r=100\relax
9459 \m@make@tencol@footgroup{v@r}%
9460 \let\@footgroupv@r\@tencol@footgroupv@r
9461 \let\@mpfootnotetext\@mptencolfootnotetext
9462 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
9463 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
9464 \m@make@mptencol@footgroup{v@r}%
9465 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
9466 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9467 \def\baselinestretch{\m@m@footnote@spacing}%
9468 \reset@font\foottextfont
9469 \@preamfntext
9470 \protected@edef\@currentlabel{%
9471 \csname p@footnote\endcsname\@thefnmark}%
9472 \color@begingroup
9473 \@tencolfootfmt{#1}%
9474 \color@endgroup}%
9475 \m@mmf@prepare}
9476 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
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 \@tencolLTRfootfmt{#1}%
9484 \color@endgroup}%
9485 \m@mmf@prepare}
9486 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9487 \def\baselinestretch{\m@m@footnote@spacing}%
9488 \reset@font\RTLfoottextfont
9489 \@preamfntext
9490 \protected@edef\@currentlabel{%
9491 \csname p@footnote\endcsname\@thefnmark}%
9492 \color@begingroup
9493 \@tencolRTLfootfmt{#1}%
9494 \color@endgroup}%
9495 \m@mmf@prepare}
9496 \bidi@ensure@newcommand{\@preamtenfmt}{%
9497 \hspace{.1\hspace}
9498 \parindent=\z@
9499 \tolerance=5000\relax

```



```

9500 \leavevmode}
9501 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9502   \@preamtenfmt
9503   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9504 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9505   \@preamtenfmt
9506   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9507 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9508   \@preamtenfmt
9509   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9510 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9511   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9512     \unvbox\@mpfootinsv@r
9513     \def\baselinestretch{\m@m@footnote@spacing}%
9514     \reset@font\foottextfont
9515     \hsize\columnwidth \@parboxrestore
9516     \protected@edef\@currentlabel{%
9517       \csname p@mpfootnote\endcsname\@thefnmark}%
9518     \color@begingroup
9519       \@tencolfootfmt{#1}%
9520     \color@endgroup}%
9521   \m@mmf@prepare}
9522 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9523   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9524     \unvbox\@mpfootinsv@r
9525     \def\baselinestretch{\m@m@footnote@spacing}%
9526     \reset@font\LTRfoottextfont
9527     \hsize\columnwidth \@parboxrestore
9528     \if@RTLcolumnfootnotes\beginL\fi
9529     \protected@edef\@currentlabel{%
9530       \csname p@mpfootnote\endcsname\@thefnmark}%
9531     \color@begingroup
9532       \@tencolLTRfootfmt{#1}%
9533     \color@endgroup}%
9534   \m@mmf@prepare}
9535 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9536   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9537     \unvbox\@mpfootinsv@r
9538     \def\baselinestretch{\m@m@footnote@spacing}%
9539     \reset@font\RTLfoottextfont
9540     \hsize\columnwidth \@parboxrestore
9541     \protected@edef\@currentlabel{%
9542       \csname p@mpfootnote\endcsname\@thefnmark}%
9543     \color@begingroup
9544       \@tencolRTLfootfmt{#1}%
9545     \color@endgroup}%
9546   \m@mmf@prepare}
9547 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9548   \m@make@tencolfootnotetext{#1}%
9549   \m@make@mptencolfootnotetext{#1}%

```



```

9550 \m@make@tencolfootfmt{#1}%
9551 \m@make@tencol@footgroup{#1}%
9552 \m@make@mptencol@footgroup{#1}%
9553 \m@make@footstart{#1}%
9554 \bidi@namelongdef{@footnotetext#1}##1{%
9555     \@nameuse{@tencolfootnotetext#1}{##1}}%
9556 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9557     \@nameuse{@mptencolfootnotetext#1}{##1}}%
9558 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9559 \@namedef{mp@footgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
9560 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9561 \expandafter\count\csname footins#1\endcsname=500\relax}
9562 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9563     \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9564         \insert\@nameuse{footins#1}{%
9565             \def\baselinestretch{\m@m@footnote@spacing}%
9566             \reset@font\@nameuse{foottextfont#1}%
9567             \@preamfntext
9568             \protected@edef\@currentlabel{%
9569                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9570             \color@begingroup
9571                 \@nameuse{@tencolfootfmt#1}{##1}%
9572             \color@endgroup}%
9573     \m@m@mmf@prepare}}
9574 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9575     \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9576         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9577             \unvbox\@nameuse{@mpfootins#1}
9578             \def\baselinestretch{\m@m@footnote@spacing}%
9579             \reset@font\@nameuse{foottextfont#1}%
9580             \hsize\columnwidth \@parboxrestore
9581             \protected@edef\@currentlabel{%
9582                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9583             \color@begingroup
9584                 \@nameuse{@tencolfootfmt#1}{##1}%
9585             \color@endgroup}\m@m@mmf@prepare}}
9586 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9587     \@namedef{@tencolfootfmt#1}##1{%
9588         \@preamtenfmt
9589         {\@nameuse{footfootmark#1}\strut
9590         {\@nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
9591 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9592     \@namedef{@tencol@footgroup#1}{%
9593         \def\baselinestretch{\m@m@footnote@spacing}%
9594         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9595         \m@m@rgridbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
9596 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9597     \@namedef{@mptencol@footgroup#1}{%
9598         \def\baselinestretch{\m@m@footnote@spacing}%
9599         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

g600 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
g601 \bidi@ensure@newcommand{\m@munvxh}[1]{%
g602 \setbox0=\vbox{\unvbox#1%
g603 \global\setbox1=\lastbox}%
g604 \unhbox1
g605 \unskip
g606 \unskip
g607 \unpenalty
g608 \hskip\m@mipn@skip}
g609 \bidi@ensure@newcommand{\m@mungebox}{%
g610 \setbox0=\hbox{\m@munvxh0}%
g611 \dp0=\z@
g612 \ht0=\footfudgefactor\wd0
g613 \box0
g614 \penalty0}
g615 \newskip\m@mipn@skip
g616 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
g617 {\foottextfont\global\m@mipn@skip=#1\relax}}
g618 \m@minterparanoteglue{1em plus.4em minus.4em}
g619 \@ifpackageloaded{multicol}{%
g620 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g621 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g622 \hsize\textwidth%
g623 \setbox0=\hbox{}%
g624 \loop
g625 \unpenalty
g626 \setbox2=\lastbox
g627 \ifhbox2
g628 \setbox0=\hbox{\box2\unhbox0}
g629 \repeat}
g630 }{%
g631 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
g632 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
g633 \setbox0=\hbox{}%
g634 \loop
g635 \unpenalty
g636 \setbox2=\lastbox
g637 \ifhbox2
g638 \setbox0=\hbox{\box2\unhbox0}
g639 \repeat}}
g640 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
g641 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
g642 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
g643 \bidi@ensure@newcommand{\paragraphfootnotes}{%
g644 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
g645 \let\@footnotetext\@parafootnotetext
g646 \let\@LTRfootnotetext\@paraLTRfootnotetext
g647 \let\@RTLfootnotetext\@paraRTLfootnotetext
g648 \dimen\footinsv@r=\footinsdim
g649 \count\footinsv@r=1000\relax

```





```

9650 \m@make@para@footgroup{v@r}%
9651 \let\@footgroupv@r\@para@footgroupv@r
9652 \let\@mpfootnotetext\@mpparafootnotetext
9653 \let\@mplTRfootnotetext\@mpparaLTRfootnotetext
9654 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9655 \m@make@mppara@footgroup{v@r}%
9656 \let\mp@footgroupv@r\@mppara@footgroupv@r
9657 {\def\baselinestretch{\m@m@footnote@spacing}%
9658 \foottextfont
9659 \dimen0=\baselineskip
9660 \multiply\dimen0 by 1024
9661 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9662 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9663 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9664 \let\bidi@RTL@everypar\@empty%
9665 \def\baselinestretch{\m@m@footnote@spacing}%
9666 \reset@font\foottextfont
9667 \@preamfntext
9668 \protected@edef\@currentlabel{%
9669 \csname p@footnote\endcsname\@thefnmark}%
9670 \setbox0=\vbox{\hsize=\maxdimen
9671 \color@begingroup
9672 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9673 \color@endgroup}%
9674 \m@mungebox}\m@mmf@prepare}
9675 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9676 \let\bidi@RTL@everypar\@empty%
9677 \def\baselinestretch{\m@m@footnote@spacing}%
9678 \reset@font\LTRfoottextfont
9679 \@preamfntext
9680 \protected@edef\@currentlabel{%
9681 \csname p@footnote\endcsname\@thefnmark}%
9682 \setbox0=\vbox{\hsize=\maxdimen
9683 \color@begingroup
9684 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9685 \color@endgroup}%
9686 \m@mungebox}\m@mmf@prepare}
9687 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9688 \let\bidi@RTL@everypar\@empty%
9689 \def\baselinestretch{\m@m@footnote@spacing}%
9690 \reset@font\RTLfoottextfont
9691 \@preamfntext
9692 \protected@edef\@currentlabel{%
9693 \csname p@footnote\endcsname\@thefnmark}%
9694 \setbox0=\vbox{\hsize=\maxdimen
9695 \color@begingroup
9696 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9697 \color@endgroup}%
9698 \m@mungebox}\m@mmf@prepare}
9699 \bidi@ensure@newcommand{\@parafootfmt}[1]{%

```



```

9700 \parindent=\z@
9701 \parfillskip=Opt \@plus 1fil
9702 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9703 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9704 \parindent=\z@
9705 \parfillskip=Opt \@plus 1fil
9706 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9707 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9708 \parindent=\z@
9709 \parfillskip=Opt \@plus 1fil
9710 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9711 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9712 \global\setbox\@mpfootinsv@r\vbox{%
9713 \let\bidi@RTL@everypar\@empty%
9714 \def\baselinestretch{\m@m@footnote@spacing}%
9715 \unvbox\@mpfootinsv@r
9716 \reset@font\foottextfont
9717 \hsize\columnwidth \@parboxrestore
9718 \protected@edef\@currentlabel{%
9719 \csname p@mpfootnote\endcsname\@thefnmark}%
9720 \setbox0=\vbox{\hsize=\maxdimen
9721 \color@begingroup
9722 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
9723 \color@endgroup}}%
9724 \m@mungebox}\m@mmf@prepare}
9725 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9726 \global\setbox\@mpfootinsv@r\vbox{%
9727 \let\bidi@RTL@everypar\@empty%
9728 \def\baselinestretch{\m@m@footnote@spacing}%
9729 \unvbox\@mpfootinsv@r
9730 \reset@font\LTRfoottextfont
9731 \hsize\columnwidth \@parboxrestore
9732 \protected@edef\@currentlabel{%
9733 \csname p@mpfootnote\endcsname\@thefnmark}%
9734 \setbox0=\vbox{\hsize=\maxdimen
9735 \color@begingroup
9736 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9737 \color@endgroup}}%
9738 \m@mungebox}\m@mmf@prepare}
9739 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9740 \global\setbox\@mpfootinsv@r\vbox{%
9741 \let\bidi@RTL@everypar\@empty%
9742 \def\baselinestretch{\m@m@footnote@spacing}%
9743 \unvbox\@mpfootinsv@r
9744 \reset@font\RTLfoottextfont
9745 \hsize\columnwidth \@parboxrestore
9746 \protected@edef\@currentlabel{%
9747 \csname p@mpfootnote\endcsname\@thefnmark}%
9748 \setbox0=\vbox{\hsize=\maxdimen
9749 \color@begingroup

```



```

9750      \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9751      \color@endgroup}%
9752      \m@mungebox}\m@mmf@prepare}
9753 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9754   \m@make@parafootnotetext{#1}%
9755   \m@make@mpparafootnotetext{#1}%
9756   \m@make@parafootfmt{#1}%
9757   \m@make@para@footgroup{#1}%
9758   \m@make@mppara@footgroup{#1}%
9759   \m@make@para@footstart{#1}%
9760   \bidi@namelongdef{@footnotetext#1}##1{%
9761     \nameuse{@parafootnotetext#1}{##1}}%
9762   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9763     \nameuse{@mpparafootnotetext#1}{##1}}%
9764   \namedef{@footgroup#1}{\nameuse{@para@footgroup#1}}%
9765   \namedef{@mp@footgroup#1}{\nameuse{@mppara@footgroup#1}}%
9766   \namedef{@footstart#1}{\nameuse{@para@footstart#1}}%
9767   \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9768   \expandafter\count\csname footins#1\endcsname=1000\relax
9769   {\def\baselinestretch{\m@m@footnote@spacing}%
9770    \nameuse{foottextfont#1}%
9771    \dimen0=\baselineskip
9772    \multiply\dimen0 by 1024
9773    \divide\dimen0 by \hsize \multiply\dimen0 by 64
9774    \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9775 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9776 \bidi@namelongdef{@parafootnotetext#1}##1{%
9777   \insert\nameuse{footins#1}{
9778   \def\baselinestretch{\m@m@footnote@spacing}%
9779   \reset@font\nameuse{foottextfont#1}%
9780   \@preamfntext
9781   \protected@edef\@currentlabel{%
9782     \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9783   \setbox0=\vbox{\hsize=\maxdimen
9784     \color@begingroup
9785     \noindent \nameuse{@parafootfmt#1}{##1}%
9786     \color@endgroup}%
9787   \m@mungebox}\m@mmf@prepare}}
9788 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9789 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9790   \global\setbox\nameuse{@mpfootins#1}\vbox{%
9791     \unvbox\nameuse{@mpfootins#1}
9792     \def\baselinestretch{\m@m@footnote@spacing}%
9793     \reset@font\nameuse{foottextfont#1}%
9794     \hsize\columnwidth \parboxrestore
9795     \protected@edef\@currentlabel{%
9796       \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9797     \setbox0=\vbox{\hsize=\maxdimen
9798       \color@begingroup
9799       \noindent \nameuse{@parafootfmt#1}{##1}%

```



```

9800      \color@endgroup}%
9801      \m@mungebox}\m@mmf@prepare}}
9802 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9803 \bidi@namelongdef{@parafootfmt#1}##1{%
9804   \parindent=\z@
9805   \parfillskip=0pt \@plus 1fil
9806   {\@nameuse{footfootmark#1}\strut
9807    {\@nameuse{foottextfont#1}##1}\penalty-10}}
9808 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9809 \@namedef{@para@footgroup#1}{%
9810   \unvbox\@nameuse{footins#1}
9811   \m@mmakehboxofhboxes
9812   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9813   \@parboxrestore%
9814   \def\baselinestretch{\m@m@footnote@spacing}%
9815   \@nameuse{foottextfont#1}%
9816   \noindent\unhbox0\par}}
9817 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9818 \@namedef{@mppara@footgroup#1}{%
9819   \unvbox\@nameuse{@mpfootins#1}
9820   \m@mmakehboxofhboxes
9821   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9822   \def\baselinestretch{\m@m@footnote@spacing}%
9823   \@nameuse{foottextfont#1}%
9824   \noindent\unhbox0\par}}
9825 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9826 \@namedef{@para@footstart#1}{%
9827   \vskip\bigskipamount
9828   \leftskip=\z@
9829   \rightskip=\z@
9830   \parindent=\z@
9831   \vskip\skip\@nameuse{footins#1}%
9832   \footnoterule}}
9833 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9834 \xdef\@freelist{\@freelist\@midlist}%
9835 \global\let\@midlist\@empty
9836 \@combinefloats}
9837 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9838 \ifvbox\@kludgeins
9839   \@makespecialcolbox
9840 \else
9841   \setbox\@outputbox \vbox to\@colht{%
9842     \@texttop
9843     \dimen@ \dp\@outputbox
9844     \unvbox \@outputbox
9845     \vskip -\dimen@
9846     \@textbottom}%
9847   \fi}
9848 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9849 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%

```



```

9850 \boxmaxdepth \@maxdepth
9851 \@tempdima\dp\@cclv
9852 \unvbox\@cclv
9853 \vskip-\@tempdima
9854 \bidi@mopfn@bottom
9855 \vskip \skip\footins
9856 \color@begingroup
9857 \normalcolor
9858 \footnoterule
9859 \unvbox \footins
9860 \color@endgroup}}
9861 \newcommand*{\bidi@mopfootnotebf}{%
9862 \setbox\@outputbox \vbox{%
9863 \boxmaxdepth \@maxdepth
9864 \unvbox\@outputbox
9865 \bidi@mopfn@bottom
9866 \vskip\skip\footins
9867 \color@begingroup
9868 \normalcolor
9869 \footnoterule
9870 \unvbox \footins
9871 \color@endgroup}}
9872 \gdef\mem@makecol{%
9873 \m@m@makecolintro
9874 \ifvoid\footins
9875 \setbox\@outputbox \box\@cclv
9876 \else
9877 \m@mopfootnote
9878 \fi
9879 \m@mdoextrafeet
9880 \m@m@makecolfloats
9881 \m@m@makecoltext
9882 \global \maxdepth \@maxdepth}
9883 \gdef\bidi@makecolbf{%
9884 \m@m@makecolintro
9885 \setbox\@outputbox \box\@cclv
9886 \m@m@makecolfloats
9887 \ifvoid\footins
9888 \else
9889 \bidi@mopfootnotebf
9890 \fi
9891 \m@mdoextrafeet
9892 \m@m@makecoltext
9893 \global \maxdepth \@maxdepth}
9894 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
9895 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
9896 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
9897 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
9898 \FeetAboveFloat
9899 \FeetBelowRagged

```



## 7.56 extreport-xetex-bidi.def

```

9900 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9901 \renewcommand*\l@part[2]{%
9902   \ifnum \c@tocdepth >-2\relax
9903     \addpenalty{-\@highpenalty}%
9904     \addvspace{2.25em \@plus\p@}%
9905     \begingroup
9906       \setlength\@tempdima{3em}%
9907       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9908       \parfillskip -\@pnumwidth
9909       {\leavevmode
9910         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9911       \nobreak
9912       \global\@nobreaktrue
9913       \everypar{\global\@nobreakfalse\everypar{}}%
9914     \endgroup
9915   \fi}
9916 \renewcommand*\l@chapter[2]{%
9917   \ifnum \c@tocdepth >\m@ne
9918     \addpenalty{-\@highpenalty}%
9919     \vskip 1.0em \@plus\p@
9920     \setlength\@tempdima{1.5em}%
9921     \begingroup
9922       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9923       \parfillskip -\@pnumwidth
9924       \leavevmode \bfseries
9925       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9926       \hskip -\if@RTL\rightskip\else\leftskip\fi
9927       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9928       \penalty\@highpenalty
9929     \endgroup
9930   \fi}
9931 \def\@makechapterhead#1{%
9932   \vspace*{50\p@}%
9933   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9934     \ifnum \c@secnumdepth >\m@ne
9935       \huge\bfseries \@chapapp\space \thechapter
9936       \par\nobreak
9937       \vskip 20\p@
9938     \fi
9939     \interlinepenalty\@M
9940     \Huge \bfseries #1\par\nobreak
9941     \vskip 40\p@
9942   }}
9943 \def\@makeschapterhead#1{%
9944   \vspace*{50\p@}%
9945   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9946     \normalfont
9947     \interlinepenalty\@M

```



```

9948 \Huge \bfseries #1\par\nobreak
9949 \vskip 40\p@
9950 }}
9951 \renewcommand\left@footnoterule{%
9952 \kern-3\p@
9953 \hrule\@width.4\columnwidth
9954 \kern2.6\p@}
9955 \renewcommand\right@footnoterule{%
9956 \kern-3\p@
9957 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9958 \kern2.6\p@}
9959 \renewenvironment{thebibliography}[1]
9960 {
9961 \chapter*{\bibname
9962 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9963 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9964 \list{\@biblabel{\@arabic{c@enumiv}}}%
9965 {\settowidth\labelwidth{\@biblabel{#1}}%
9966 \leftmargin\labelwidth
9967 \advance\leftmargin\labelsep
9968 \openbib@code
9969 \usecounter{enumiv}%
9970 \let\p@enumiv\@empty
9971 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
9972 \sloppy\clubpenalty4000\widowpenalty4000
9973 \sfcode`.\@m}
9974 {\def\@noitemerr
9975 {\@latex@warning{Empty `thebibliography' environment}}}%
9976 \endlist}
9977 \if@titlepage
9978 \renewcommand\maketitle{\begin{titlepage}%
9979 \let\footnotesize\small
9980 \let\right@footnoterule\relax
9981 \let\left@footnoterule\relax
9982 \let\textwidth\footnoterule\relax
9983 \let\footnote\thanks
9984 \null\vfil
9985 \vskip 60\p@
9986 \begin{center}%
9987 {\LARGE \@title \par}%
9988 \vskip 3em%
9989 {\large
9990 \lineskip .75em%
9991 \begin{tabular}[t]{c}%
9992 \@author
9993 \end{tabular}\par}%
9994 \vskip 1.5em%
9995 {\large \@date \par}% % Set date in \large size.
9996 \end{center}\par
9997 \thanks
9998 \vfil\null

```



```

9998 \end{titlepage}%
9999 \setcounter{footnote}{0}%
10000 \global\let\thanks\relax
10001 \global\let\maketitle\relax
10002 \global\let\@thanks\@empty
10003 \global\let\@author\@empty
10004 \global\let\@date\@empty
10005 \global\let\@title\@empty
10006 \global\let\title\relax
10007 \global\let\author\relax
10008 \global\let\date\relax
10009 \global\let\and\relax
10010 }
10011 \else
10012 \renewcommand\maketitle{\par
10013 \begingroup
10014   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10015   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10016   \long\def\@makefntext##1{\parindent 1em\noindent
10017     \hb@xt@1.8em{%
10018       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10019   \if@twocolumn
10020     \ifnum \col@number=\@ne
10021       \@maketitle
10022     \else
10023       \twocolumn[\@maketitle]%
10024     \fi
10025   \else
10026     \newpage
10027     \global\@topnum\z@ % Prevents figures from going at top of page.
10028     \@maketitle
10029   \fi
10030   \thispagestyle{plain}\@thanks
10031 \endgroup
10032 \setcounter{footnote}{0}%
10033 \global\let\thanks\relax
10034 \global\let\maketitle\relax
10035 \global\let\@maketitle\relax
10036 \global\let\@thanks\@empty
10037 \global\let\@author\@empty
10038 \global\let\@date\@empty
10039 \global\let\@title\@empty
10040 \global\let\title\relax
10041 \global\let\author\relax
10042 \global\let\date\relax
10043 \global\let\and\relax
10044 }
10045 \def\@maketitle{%
10046   \newpage
10047   \null

```





```

10048 \vskip 2em%
10049 \begin{center}%
10050 \let \footnote \thanks
10051 {\LARGE \@title \par}%
10052 \vskip 1.5em%
10053 {\large
10054 \lineskip .5em%
10055 \begin{tabular}[t]{c}%
10056 \@author
10057 \end{tabular}\par}%
10058 \vskip 1em%
10059 {\large \@date}%
10060 \end{center}%
10061 \par
10062 \vskip 1.5em}
10063 \fi
10064 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10065 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10066 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10067 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10068 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10069 \renewcommand\theequation{%
10070 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10071 \renewcommand\thefigure{%
10072 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10073 \renewcommand\thetable{%
10074 \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

## 7.57 fancybox-xetex-bidi.def

```

10075 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
10076 \def\fancy@oval#1#2#3{%
10077 \boxmaxdepth \maxdimen
10078 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10079 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10080 \@ovxx#1\relax
10081 \advance\@ovxx-\@wholewidth
10082 \@ovyy#2\relax
10083 \advance\@ovyy-\@wholewidth
10084 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10085 \advance\@tempdimb-2\p@
10086 \ifdim\@tempdimb>\the@cornersize\relax
10087 \@tempdimb=\the@cornersize
10088 \fi
10089 \@getcirc\@tempdimb
10090 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10091 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10092 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10093 \circlefnt
10094 \setbox\@tempboxa\hbox{\beginL%

```



```

10095 \if@ovr \@ovvert32\kern -\@tempdima \fi
10096 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10097 \if@ovt \@ovhorz \kern -\@ovxx \fi
10098 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10099 \advance\@ovdx\@ovro
10100 \advance\@ovdy\@ovro
10101 \advance\@ovxx\@wholewidth
10102 \wd\@tempboxa=\@ovxx
10103 \dp\@tempboxa=\z@}

```

## 7.58 fancyhdr-xetex-bidi.def

```

10104 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for Xe
10105 \let\fnch@everypar\everypar%
10106 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10107 \@fancyvbox\headheight{\hbox
10108 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10109 \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
10110 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
10111 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
10112 \@fancyvbox\footskip{\footrule
10113 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
10114 \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
10115 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

## 7.59 fix2col-xetex-bidi.def

```

10116 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for Xe
10117 \def\RTL@outputdblcol{%
10118 \if@firstcolumn
10119 \global\@firstcolumnfalse
10120 \global\setbox\@leftcolumn\copy\@outputbox
10121 \splitmaxdepth\maxdimen
10122 \vbadness\maxdimen
10123 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10124 \toks@{\expandafter{\topmark}}%
10125 \xdef\@firstcoltopmark{\the\toks@}%
10126 \toks@{\expandafter{\splitfirstmark}}%
10127 \xdef\@firstcolfirstmark{\the\toks@}%
10128 \ifx\@firstcolfirstmark\@empty
10129 \global\let\@setmarks\relax
10130 \else
10131 \gdef\@setmarks{%
10132 \let\firstmark\@firstcolfirstmark
10133 \let\topmark\@firstcoltopmark}%
10134 \fi
10135 \else \global\@firstcolumntrue
10136 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10137 \hskip \columnwidth
10138 \hfil \vrule width\columnseprule \hfil
10139 \hbox to\columnwidth {\box\@leftcolumn \hss}%

```



```

10140 \hskip -\textwidth
10141 \hbox to\columnwidth{\box\@outputbox \hss}%
10142 \hskip \columnsep
10143 \hskip \columnwidth }}%
10144 \@combinedblfloats \@setmarks \@outputpage
10145 \begingroup \@dblfloatplacement \@startdblcolumn
10146 \@whiles\if@fcolmade \fi
10147 {\@outputpage \@startdblcolumn }\endgroup
10148 \fi}
10149 \def\LTR@outputdblcol{%
10150   \if@firstcolumn
10151     \global\@firstcolumnfalse
10152     \global\setbox\@leftcolumn\copy\@outputbox
10153     \splitmaxdepth\maxdimen
10154     \vbadness\maxdimen
10155     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10156     \toks@\expandafter{\topmark}%
10157     \xdef\@firstcoltopmark{\the\toks@}%
10158     \toks@\expandafter{\splitfirstmark}%
10159     \xdef\@firstcolfirstmark{\the\toks@}%
10160     \ifx\@firstcolfirstmark\@empty
10161       \global\let\@setmarks\relax
10162     \else
10163       \gdef\@setmarks{%
10164         \let\firstmark\@firstcolfirstmark
10165         \let\topmark\@firstcoltopmark}%
10166     \fi
10167   \else
10168     \global\@firstcolumntrue
10169     \setbox\@outputbox\vbox{%
10170       \hb@xt@\textwidth{%
10171         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10172         \hfil
10173         \vrule \@width\columnseprule
10174         \hfil
10175         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10176   \@combinedblfloats
10177   \@setmarks
10178   \@outputpage
10179   \begingroup
10180     \@dblfloatplacement
10181     \@startdblcolumn
10182     \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10183   \endgroup
10184 \fi}

```

## 7.60 fleqn-xetex-bidi.def

```

10185 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
10186 \renewcommand\[\{\relax

```



```

10187             \ifmmode\@badmath
10188             \else
10189                 \begin{trivlist}%
10190                     \@beginparpenalty\predisplaypenalty
10191                     \@endparpenalty\postdisplaypenalty
10192                     \item[]\leavevmode
10193                     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10194                     \hskip\mathindent\bgroup
10195                 \fi}
10196 \renewcommand\]{\relax
10197             \ifmmode
10198                 \egroup $\hfil% $
10199                 \endL\egroup
10200                 \end{trivlist}%
10201             \else \@badmath
10202             \fi}
10203 \renewenvironment{equation}%
10204 {\@beginparpenalty\predisplaypenalty
10205  \@endparpenalty\postdisplaypenalty
10206  \refstepcounter{equation}%
10207  \trivlist \item[]\leavevmode
10208   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10209   \displaystyle
10210   \hskip\mathindent}%
10211 {$\hfil % $
10212  \displaywidth\linewidth\hbox{\@eqnnum}%
10213  \endL\egroup
10214 \endtrivlist}

```

## 7.61 float-xetex-bidi.def

```

10215 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
10216 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10217 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10218 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10219 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10220   \expandafter\edef\csname the#1\endcsname{%
10221     \expandafter\noexpand\csname
10222       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10223   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 7.62 floatrow-xetex-bidi.def

```

10224 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for XeTeX]
10225 \renewcommand\flnew@within[1]{\@addtoreset{FB@c@type}{#1}%
10226   \expandafter\edef\csname theFB@c@type\endcsname{%
10227     \expandafter\noexpand\csname
10228       the#1\endcsname\@SepMark\noexpand\arabic{FB@c@type}}}%

```

## 7.63 flowfram-xetex-bidi.def

```

10229 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for XeTeX]

```



```

10230 \def\@outputdblcol{%
10231 \@nxtcol=\c@thisframe
10232 \c@curpg=\c@page
10233 \g@tnextcol{\@nxtcol}%
10234 \iff@nwpg % next flow frame starts on new page
10235 \global\@firstcolumntrue
10236 \setcolbox\c@thisframe
10237 \if@specialpage
10238 \global\@specialpagefalse
10239 \nameuse{ps@\@specialstyle}\relax
10240 \fi
10241 \if@twoside
10242 \ifodd\count\z@
10243 \let\@thehead\@oddhead
10244 \let\@thefoot\@oddfoot
10245 \else
10246 \let\@thehead\@evenhead
10247 \let\@thefoot\@evenfoot
10248 \fi
10249 \else
10250 \let\@thehead\@oddhead
10251 \let\@thefoot\@oddfoot
10252 \fi
10253 \@begindvi
10254 \dodynamicthehead\dodynamicthefoot
10255 \vbadness=\@M
10256 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}%
10257 \combinedblfloats
10258 \outputpage
10259 \advance\c@curpg by -\c@page\relax
10260 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10261 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10262 \outputpage}
10263 \begingroup
10264 \dblfloatplacement
10265 \startdblcolumn
10266 \whiles\if@fcolmade \fi
10267 {\@outputpage \startdblcolumn }\endgroup
10268 \resetst@tics
10269 \resetdyn@mics
10270 \else % still on same page, save contents of box255
10271 \global\@firstcolumnfalse
10272 \setcolbox\c@thisframe
10273 \fi
10274 \global\c@thisframe=\@nxtcol
10275 \setcol{\c@thisframe}\relax
10276 \global\colht\vsiz
10277 }
10278 \def\@outputpage{%
10279 \begingroup

```



```

10280 \let\protect\noexpand
10281 \@resetactivechars
10282 \global\let\@@if@newlist@if@newlist
10283 \global\@newlistfalse\@parboxrestore
10284 \shipout\vbox{\set@typeset@protect
10285   \aftergroup
10286   \endgroup
10287   \aftergroup
10288   \set@typeset@protect
10289   \reset@font\normalsize\normalsfcodes
10290   \let\label\@gobble
10291   \let\index\@gobble
10292   \let\glossary\@gobble
10293   \baselineskip\z@skip
10294   \lineskip\z@skip
10295   \lineskiplimit\z@
10296   \vskip\topmargin\moveright\@themargin
10297   \vbox{%
10298     \vskip\headheight
10299     \vskip\headsep
10300     \box\@outputbox
10301   }}%
10302 \global\let@if@newlist\@@if@newlist
10303 \stepcounter{page}%
10304 \setcounter{displayedframe}{0}%
10305 \let\firstmark\botmark}
10306
10307
10308 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}{%-
10309 \expandafter\bidicolor\ff@txtcol}}
10310
10311 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10312 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10313
10314
10315 \renewcommand*{\@docolbox}[1]{%-
10316 \edef\ff@frametype{%
10317 \csname @ff@frametype@\romannumeral#1\endcsname}%
10318 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10319 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10320 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10321 \@ff@setoffset{#1}%
10322 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%-
10323 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%-
10324 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}{%-
10325 {\csname colheight\romannumeral#1\endcsname}{%-
10326 \expandafter\box\csname column\romannumeral#1\endcsname}{%-
10327 \csname\ff@frametype\endcsname}{%-
10328 }{%-
10329 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%

```



```

10330 {\csname colheight\romannumeral#1\endcsname}{%
10331 \expandafter\box\csname column\romannumeral#1\endcsname}%
10332 }}}
10333 \@ifclassloaded{book}{%
10334 \renewcommand\theequation
10335   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10336 \renewcommand\thefigure
10337   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10338 \renewcommand\thetable
10339   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10340 \renewcommand\thechapter {\@arabic\c@chapter}
10341 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10342 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10343 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
10344 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10345 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10346 \@ifclassloaded{report}{%
10347 \renewcommand\theequation
10348   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10349 \renewcommand\thefigure
10350   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10351 \renewcommand\thetable
10352   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10353 \renewcommand\thechapter {\@arabic\c@chapter}
10354 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10355 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10356 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
10357 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10358 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10359 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10360 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10361 \else
10362 #2\relax
10363 \fi}

```

## 7.64 footnote-xetex-bidi.def

```

10364 \ProvidesFile{footnote-xetex-bidi.def}[2015/11/14 v0.9 bidi footnote macros for XeTeX engine]
10365 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10366 \newif\ifbidi@autofootnoterule
10367 \def\bidi@mpfootnoterule{\footnoterule}
10368 \newcounter{footdir@label}
10369 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
10370 \newcommand*{\footdir@write}{%
10371   \stepcounter{footdir@label}%
10372   \zref@labelbyprops{\thefootdir@label}{abspage}%
10373 }
10374 \newif\iffootdir@debug
10375 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10376 \newtoks\footdir@toks

```



```

10377 \newcommand*{\footdir@debug}[1]{%
10378   \ifffootdir@debug
10379     \typeout{[footdir] #1}%
10380   \fi
10381 }
10382 \@ifpackagelater{zref-abspage}{2012/10/27}{%
10383   \newcommand*{\footdir@LeftRightElse}{%
10384     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10385       \footdir@debug{abspage \the\value{zabspage}: else}%
10386       \ltx@thirdofthree
10387     }{%
10388       \if\csname footdir@the\value{zabspage}\endcsname L%
10389         \footdir@debug{abspage \the\value{zabspage}: left}%
10390         \expandafter\ltx@firstofthree
10391       \else
10392         \footdir@debug{abspage \the\value{zabspage}: right}%
10393         \expandafter\ltx@secondofthree
10394       \fi
10395     }%
10396   }%
10397 }{%
10398   \providecommand*{\c@zabspage}{\c@abspage}%
10399   \newcommand*{\footdir@LeftRightElse}{%
10400     \footdir@write
10401     \zifrefundefined{\thefootdir@label}{%
10402       \footdir@debug{abspage ??: else}%
10403       \ltx@thirdofthree
10404     }{%
10405       \edef\footdir@abspage{%
10406         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10407       }%
10408       \ltx@ifundefined{footdir@\footdir@abspage}{%
10409         \footdir@debug{\footdir@abspage: else}%
10410         \ltx@thirdofthree
10411       }{%
10412         \if\csname footdir@\footdir@abspage\endcsname L%
10413           \footdir@debug{\footdir@abspage: left}%
10414           \expandafter\ltx@firstofthree
10415         \else
10416           \footdir@debug{\footdir@abspage: right}%
10417           \expandafter\ltx@secondofthree
10418         \fi
10419       }%
10420     }%
10421   }%
10422 }
10423 \newcommand*{\footdir@fntext}[1]{%
10424   \zifrefundefined{\thefootdir@label}{%
10425     }{%
10426       \edef\footdir@name{%

```





```

10427     footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
10428   }%
10429   \@ifundefined{\footdir@name}{%
10430     \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10431   }{}%
10432 }%
10433 }
10434
10435 \newcommand*{\footdir@temp}[3]{%
10436   \@ifdefinable{#1}{%
10437     \let#1#2%
10438     \renewcommand{#2}[1]{%
10439       \footdir@write
10440       \footdir@fntext{#3}%
10441       \stepcounter{footdir@label}%
10442       \footdir@fntext{#3}%
10443       \footdir@toks{##1}%
10444       \footdir@toks\expandafter{%
10445         \the\expandafter\footdir@toks
10446         \expandafter
10447         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10448       }%
10449       \expandafter#1\expandafter{\the\footdir@toks}%
10450     }%
10451   }%
10452 }
10453
10454 \def\right@footnoterule{%
10455   \kern-3\p@
10456   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10457   \kern2.6\p@}
10458 \def\left@footnoterule{\kern-3\p@
10459   \hrule \@width .4\columnwidth \kern 2.6\p@}
10460 \def\textwidth@footnoterule{\kern-3\p@
10461   \hrule \@width \columnwidth \kern 2.6\p@}
10462 \def\leftfootnoterule{%
10463   \bidi@autofootnoterulefalse%
10464   \def\footnoterule{\left@footnoterule}}
10465 \let\LRfootnoterule=\leftfootnoterule
10466 \def\rightfootnoterule{%
10467   \bidi@autofootnoterulefalse%
10468   \def\footnoterule{\right@footnoterule}}
10469 \def\textwidthfootnoterule{%
10470   \bidi@autofootnoterulefalse%
10471   \def\footnoterule{\textwidth@footnoterule}}
10472
10473
10474
10475 \def\auto@footnoterule{%
10476   \footdir@LeftRightElse%

```



```

10477 \left@footnoterule%
10478 \right@footnoterule%
10479 \left@footnoterule%
10480 }
10481
10482
10483
10484 \def\autofootnoterule{%
10485 \bidi@autofootnoteruletrue%
10486 \def\footnoterule{\auto@footnoterule}%
10487 }
10488
10489 \newcommand*\SplitFootnoteRule{%
10490   \gdef\split@prev{0}
10491   \let\pagefootnoterule\footnoterule
10492   \let\mpfootnoterule\footnoterule
10493   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10494   \def\footnoterule{\relax
10495     \ifx \@listdepth\@mplistdepth
10496       \mpfootnoterule
10497     \else
10498       \ifnum\split@prev=\z@
10499         \pagefootnoterule
10500       \else
10501         \splitfootnoterule
10502       \fi
10503       \xdef\split@prev{\the\insertpenalties}%
10504     \fi
10505   }%
10506 }
10507
10508
10509
10510
10511 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10512   \protected@xdef\@thefnmark{\thempfn}%
10513   \@footnotemark\@RTLfootnotetext}}
10514 \def\@xRTLfootnote[#1]{%
10515   \begingroup
10516     \csname c@\@mpfn\endcsname #1\relax
10517     \unrestored@protected@xdef\@thefnmark{\thempfn}%
10518   \endgroup
10519   \@footnotemark\@RTLfootnotetext}
10520 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10521   \protected@xdef\@thefnmark{\thempfn}%
10522   \@footnotemark\@LTRfootnotetext}}
10523 \def\@xLTRfootnote[#1]{%
10524   \begingroup
10525     \csname c@\@mpfn\endcsname #1\relax
10526     \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

10527 \endgroup
10528 \@footnotemark\@LTRfootnotetext}
10529
10530
10531 \def\setfootnoteRL{\@RTL@footnotetrue}
10532 \def\unsetfootnoteRL{\@RTL@footnotefalse}
10533 \def\setfootnoteLR{\unsetfootnoteRL}
10534
10535 \long\def\@footnotetext#1{\insert\footins{%
10536   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10537   \reset@font\footnotesize
10538   \interlinepenalty\interfootnotelinepenalty
10539   \splittopskip\footnotesep
10540   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10541   \hsize\columnwidth \@parboxrestore
10542   \protected@edef\@currentlabel{%
10543     \csname p@footnote\endcsname\@thefnmark
10544   }%
10545   \color@begingroup
10546     \@makefntext{%
10547       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10548     \color@endgroup}}}%
10549
10550
10551 \long\def\@RTLfootnotetext#1{\insert\footins{%
10552   \@RTLtrue%
10553   \reset@font\footnotesize
10554   \interlinepenalty\interfootnotelinepenalty
10555   \splittopskip\footnotesep
10556   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10557   \hsize\columnwidth \@parboxrestore
10558   \protected@edef\@currentlabel{%
10559     \csname p@footnote\endcsname\@thefnmark
10560   }%
10561   \color@begingroup
10562     \@makefntext{%
10563       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10564     \color@endgroup}}}%
10565
10566 \long\def\@LTRfootnotetext#1{\insert\footins{%
10567   \@RTLfalse%
10568   \reset@font\footnotesize
10569   \interlinepenalty\interfootnotelinepenalty
10570   \splittopskip\footnotesep
10571   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
10572   \hsize\columnwidth \@parboxrestore
10573   \protected@edef\@currentlabel{%
10574     \csname p@footnote\endcsname\@thefnmark
10575   }%
10576   \color@begingroup

```



```

10577     \@makefntext{%
10578         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10579     \color@endgroup}}%
10580
10581 \AtBeginDocument{%
10582 \if@RTL@footnote
10583     \newcommand*{\bidi@footdir@footnote}{R}
10584 \else
10585     \newcommand*{\bidi@footdir@footnote}{L}
10586 \fi%
10587 }
10588
10589 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10590 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10591 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10592
10593 \long\def\@mpRTLfootnotetext#1{%
10594     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
10595     \global\setbox\@mpfootins\vbox{\@RTLtrue%
10596         \unvbox\@mpfootins
10597         \reset@font\footnotesize
10598         \hsize\columnwidth
10599         \@parboxrestore
10600         \protected@edef\@currentlabel
10601             {\csname p@mpfootnote\endcsname\@thefnmark}%
10602         \color@begingroup
10603             \@makefntext{%
10604                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10605             \color@endgroup}}
10606 \long\def\@mpLTRfootnotetext#1{%
10607     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
10608     \global\setbox\@mpfootins\vbox{\@RTLfalse%
10609         \unvbox\@mpfootins
10610         \reset@font\footnotesize
10611         \hsize\columnwidth
10612         \@parboxrestore
10613         \protected@edef\@currentlabel
10614             {\csname p@mpfootnote\endcsname\@thefnmark}%
10615         \color@begingroup
10616             \@makefntext{%
10617                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10618             \color@endgroup}}
10619 \long\def\@mpfootnotetext#1{%
10620     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
10621     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10622         \unvbox\@mpfootins
10623         \reset@font\footnotesize
10624         \hsize\columnwidth
10625         \@parboxrestore
10626         \protected@edef\@currentlabel

```



```

10627         {\csname p@mpfootnote\endcsname\@thefnmark}%
10628         \color@begingroup
10629         \@makefnmark{%
10630             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10631         \color@endgroup}}
10632 \def\@iiiminipage#1#2[#3]#4{%
10633     \leavevmode
10634     \@pboxswfalse
10635     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10636     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10637     \setlength\@tempdima{#4}%
10638     \def\@mpargs{#{1}{#2}#{3}{#4}}%
10639     \setbox\@tempboxa\vbox\bgroup
10640         \color@begingroup
10641             \hsize\@tempdima
10642             \textwidth\hsize \columnwidth\hsize
10643             \@parboxrestore
10644             \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10645             \let\@footnotetext\@mpfootnotetext
10646             \let\@LTRfootnotetext\@mpLTRfootnotetext
10647             \let\@RTLfootnotetext\@mpRTLfootnotetext
10648             \let\@listdepth\@mplistdepth \@mplistdepth\z@
10649             \@minipagerestore
10650             \setminipage}
10651 \def\endminipage{%
10652     \par
10653     \unskip
10654     \ifvoid\@mpfootins\else
10655         \vskip\skip\@mpfootins
10656         \normalcolor
10657         \bidi@mpfootnoterule
10658         \unvbox\@mpfootins
10659     \fi
10660     \@minipagefalse %% added 24 May 89
10661     \color@endgroup
10662     \egroup
10663     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
10664 \def\LTRthanks#1{\footnotemark
10665     \protected@xdef\@thanks{\@thanks
10666         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10667 }
10668 \def\LTRfootnotetext{%
10669     \ifnextchar [\@xLTRfootnotenext
10670         {\protected@xdef\@thefnmark{\thempfn}%
10671         \@LTRfootnotetext}}
10672 \def\@xLTRfootnotenext[#1]{%
10673     \begingroup
10674         \csname c@\@mpfn\endcsname #1\relax
10675         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10676     \endgroup

```



```

10677 \LTRfootnotetext}
10678 \def\RTLthanks#1{\footnotemark
10679     \protected@xdef\@thanks{\@thanks
10680         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
10681 }
10682 \let\@thanks\@empty
10683 \def\RTLfootnotetext{%
10684     \ifnextchar [\@xRTLfootnotenext
10685         {\protected@xdef\@thefnmark{\thempfn}%
10686         \@RTLfootnotetext}}
10687 \def\@xRTLfootnotenext[#1]{%
10688     \begingroup
10689         \csname c@\mpfn\endcsname #1\relax
10690         \unrestored@protected@xdef\@thefnmark{\thempfn}%
10691     \endgroup
10692     \@RTLfootnotetext}
10693 \leftfootnoterule

```

## 7.65 framed-xetex-bidi.def

```

10694 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10695 \renewcommand\TitleBarFrame[3][\begingroup
10696     \ifx\delimiter#1\delimiter
10697         \let\TF@conlab\@empty
10698     \else
10699         \def\TF@conlab{% continuation label
10700             \nointerlineskip
10701             \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
10702     \fi
10703     %\let\TF@savecolor\current@color
10704     \textcolor{TFFrameColor}{%
10705     \CustomFBox
10706         {\TF@Title{#2}}{\TF@conlab}%
10707         \fbboxrule\fbboxrule\fbboxrule\fbboxrule
10708         %{\let\current@color\TF@savecolor\set@color #3}%
10709         {\normalcolor #3}%
10710     }\endgroup
10711 }
10712 \renewenvironment{titled-frame}[1]{%
10713     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
10714         \TitleBarFrame{\textbf{#1}}}%
10715     \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
10716         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10717     \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
10718         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}%
10719     \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
10720         \TitleBarFrame{\textbf{#1\ (cont)}}}%
10721     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
10722 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10723 % could interfere with the width measurement.

```



```

10724 {\endMakeFramed}
10725 \chardef\FrameRestore=\catcode`\| % for debug
10726 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10727 \def\fb@put@frame#1#2{\relax
10728   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
10729 |   \message{===== Entering putframe =====^~J
10730 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10731   \ifinner
10732     \fb@putboxa#1%
10733     \fb@afterframe
10734   \else
10735     \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10736     \ifdim\dimen@<2\baselineskip % Too little room on page
10737 |       \message{Page has only \the\dimen@\space room left; eject. }%
10738 |       \eject \fb@adjheight \fb@put@frame#1#2%
10739     \else % there's appreciable room left on the page
10740       \fb@sizeofframe#1%
10741 |       \message{\string\pagetotal=\the\pagetotal,
10742 |         \string\pagegoal=\the\pagegoal,
10743 |         \string\pagestretch=\the\pagestretch,
10744 |         \string\pageshrink=\the\pageshrink,
10745 |         \string\fb@frh=\the\fb@frh. \space}
10746 |       \message{^^JBox of size \the\ht\@tempboxa\space}%
10747       \begingroup % temporarily set \dimen@ to be...
10748       \advance\dimen@.8\pageshrink % maximum space available on page
10749       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10750 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10751       \expandafter\endgroup
10752       % expand \ifdim, then restore \dimen@ to real room left on page
10753       \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10754 |         \message{fits in \the\dimen@. }%
10755       % ToDo: Change this to use vsplit anyway to capture the marks
10756       % MERGE THIS WITH THE else CLAUSE!!!
10757       \fb@putboxa#1%
10758       \fb@afterframe
10759     \else % box must be split
10760 |       \message{must be split to fit in \the\dimen@. }%
10761       % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10762       \fb@sizeofframe#2%
10763       \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10764         \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10765         \kern137sp\kern-137sp\penalty-30
10766         \unvbox\@tempboxa}%
10767       \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10768         \splittopskip\the\splittopskip}%
10769       \boxmaxdepth\z@ \splittopskip\z@
10770 |       \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
10771       % Split box here
10772       \setbox\tw@\vsplit\@tempboxa to\dimen@
10773 |       \toks99\expandafter{\splitfirstmark}%

```



```

10774 | \toks98\expandafter{\splitbotmark}%
10775 | \message{Marks are: \the\toks99, \the\toks98.}%
10776 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10777 | \message{Natural height of split box is \the\ht\tw@, leaving
10778 | \the\ht\@tempboxa\space remainder.}%
10779 | % If the split-to size > (\vsize-\topskip), then set box to full size.
10780 | \begingroup
10781 | \advance\dimen@\topskip
10782 | \expandafter\endgroup
10783 | \ifdim\dimen@>\pagegoal
10784 | \message{Frame is big -- Use up the full column.}%
10785 | \dimen@ii\pagegoal
10786 | \advance\dimen@ii-\topskip
10787 | \advance\dimen@ii\FrameHeightAdjust\relax
10788 | \else % suspect this is implemented incorrectly:
10789 | % If the split-to size > feasible room_on_page, rebox it smaller.
10790 | \advance\dimen@.8\pageshrink
10791 | \ifdim\ht\tw@>\dimen@
10792 | \message{Box too tall; rebox it to \the\dimen@.}%
10793 | \dimen@ii\dimen@
10794 | \else % use natural size
10795 | \dimen@ii\ht\tw@
10796 | \fi
10797 | \fi
10798 | % Re-box contents to desired size \dimen@ii
10799 | \advance\dimen@ii-\fb@frh
10800 | \setbox\tw@\vbox to\dimen@ii \bgroup
10801 | % remove simulated frame and page flexibility:
10802 | \vskip-\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10803 | \unvbox\tw@ \unpenalty\unpenalty
10804 | \ifdim\lastkern=-137sp % whole box went to next page
10805 | \message{box split at beginning!}%
10806 | % need work here???
10807 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10808 | \fb@adjheight
10809 | \fb@put@frame#1#2% INSERTED ???
10810 | \else % Got material split off at the head
10811 | \egroup \fb@resto@set
10812 | \ifvoid\@tempboxa % it all fit after all
10813 | \message{box split at end!}%
10814 | \setbox\@tempboxa\box\tw@
10815 | \fb@putboxa#1%
10816 | \fb@afterframe
10817 | \else % it really did split
10818 | \message{box split as expected. Its reboxed height is \the\ht\tw@.}%
10819 | \ifdim\wd\tw@>\z@
10820 | \wd\tw@\wd\@tempboxa
10821 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10822 | \else
10823 | \message{Zero width means likely blank. Don't frame it (guess)}%

```





```

10824             \box\tw@
10825             \fi
10826             \hrule \@height\z@ \@width\hsize
10827             \eject
10828             \fb@adjheight
10829             \fb@put@frame\LastFrameCommand\MidFrameCommand
10830 \fi\fi\fi\fi\fi
10831 }
10832 \def\fb@putboxa#1{%
10833 \ifvoid\@tempboxa
10834 \PackageWarning{framed}{Boxa is void -- discard it. }%
10835 \else
10836 | \message{Frame and place boxa. }%
10837 |   {%\showoutput\showbox\@tempboxa}%
10838   \centerline{#1{\hboxL{\box\@tempboxa}}}%
10839 \fi
10840 }
10841 \catcode`\|=\FrameRestore
10842 \def\FrameRestore{%
10843 \let\if@nobreak\iffalse
10844 \let\if@noskipsec\iffalse
10845 \let\-\@dischyp
10846 \let'\@acci\let'\@accii\let\=\@acciii
10847 % \message{FrameRestore:
10848 %   \@totalleftmargin=\the \@totalleftmargin,
10849 %   \rightmargin=\the\rightmargin,
10850 %   \@listdepth=\the\@listdepth. }%
10851 % Test if we are in a list (or list-like paragraph)
10852 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10853       \ifdim\rightmargin>\z@ 1\fi
10854       \ifnum\@listdepth>\z@ 1\fi 0>\z@
10855 %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10856 %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10857 %   \labelwidth=\the\labelwidth. }%
10858 % \setminipage % snug fit around the item
10859 % Now try to propagate changes of width from \hsize to list parameters.
10860 % This is deficient, but a more advanced way to indicate modification to text
10861 % dimensions is not (yet) provided; in particular, no separate left/right
10862 % adjustment.
10863 \advance\linewidth-\columnwidth \advance\linewidth\hsize
10864 \parshape\@ne \@totalleftmargin \linewidth
10865 \else % Not in list
10866 \linewidth=\hsize
10867 %\message{No list, set \string\linewidth=\the\hsize. }%
10868 \fi
10869 \sloppy
10870 }

```

## 7.66 ftnright-xetex-bidi.def



```

10871 \ProvidesFile{ftnright-xetex-bidi.def}[2016/05/10 v0.4 bidi adaptations for ftnright package for
10872
10873 \def\LTR@outputdblcol{%
10874   \if@firstcolumn
10875     \global\@firstcolumnfalse
10876     \global\setbox\@leftcolumn\copy\@outputbox
10877     \global\count\footins\@m
10878     \global\skip\footins\rcol@footinsskip
10879     \splitmaxdepth\maxdimen
10880     \vbadness\maxdimen
10881     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10882     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10883     \toks@{\expandafter{\topmark}}%
10884     \xdef\@firstcoltopmark{\the\toks@}%
10885     \toks@\expandafter{\splitfirstmark}%
10886     \xdef\@firstcolfirstmark{\the\toks@}%
10887     \ifx\@firstcolfirstmark\@empty
10888       \global\let\@setmarks\relax
10889     \else
10890       \gdef\@setmarks{%
10891         \let\firstmark\@firstcolfirstmark
10892         \let\topmark\@firstcoltopmark}%
10893     \fi
10894   \else
10895     \preparefootins
10896     \global\@firstcolumntrue
10897     \setbox\@outputbox\vbox{%
10898       \hb@xt@\textwidth{%
10899         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10900         \hfil
10901         {\normalcolor\vrule \@width\columnseprule}%
10902         \hfil
10903         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
10904     \@combinedblfloats
10905     \@setmarks
10906     \@outputpage
10907     \begingroup
10908       \@dblfloatplacement
10909       \@startdblcolumn
10910       \@whilesw\if@fcolmade \fi{\@outputpage
10911         \@startdblcolumn}%
10912     \endgroup
10913   \fi}%
10914
10915
10916
10917 \def\RTL@outputdblcol{%
10918   \if@firstcolumn
10919     \global\@firstcolumnfalse
10920     \global\setbox\@leftcolumn\copy\@outputbox

```



```

10921 \global\count\footins\@m
10922 \global\skip\footins\rcol@footinsskip
10923 \splitmaxdepth\maxdimen
10924 \vbadness\maxdimen
10925 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10926 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10927 \toks@\expandafter{\topmark}%
10928 \xdef\@firstcoltopmark{\the\toks@}%
10929 \toks@\expandafter{\splitfirstmark}%
10930 \xdef\@firstcolfirstmark{\the\toks@}%
10931 \ifx\@firstcolfirstmark\@empty
10932 \global\let\@setmarks\relax
10933 \else
10934 \gdef\@setmarks{%
10935 \let\firstmark\@firstcolfirstmark
10936 \let\topmark\@firstcoltopmark}%
10937 \fi
10938 \else
10939 \preparefootins
10940 \global\@firstcolumntrue
10941 \setbox\@outputbox\vbox{%
10942 \hb@xt@\textwidth{%
10943 \hskip \columnwidth
10944 \hfil
10945 {\normalcolor\vrule \@width\columnseprule}%
10946 \hfil
10947 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
10948 \hskip -\textwidth
10949 \hb@xt@\columnwidth{\box\@outputbox \hss}%
10950 \hskip \columnsep
10951 \hskip \columnwidth }}%
10952 \@combinedblfloats
10953 \@setmarks
10954 \@outputpage
10955 \begingroup
10956 \@dblfloatplacement
10957 \@startdblcolumn
10958 \@whiles\if@fcolmade \fi{\@outputpage
10959 \@startdblcolumn}%
10960 \endgroup
10961 \fi}%
10962
10963
10964
10965 \let\leftfootnoterule\@empty
10966 \let\rightfootnoterule\@empty
10967 \let\textwidthfootnoterule\@empty
10968 \let\autofootnoterule\@empty
10969 \let\footnoterule\@empty
10970 \long\def\@makefntext#1{\parindent 1em

```



```

10971 \noindent\hbox to 2em{}%
10972 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}

```

## 7.67 graphicx-xetex-bidi.def

```

10973 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10974 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10975   \Grot@setangle{#1}%
10976   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10977   \Grot@x\z@
10978   \Grot@y\z@
10979   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10980 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10981   \leavevmode
10982   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10983   \setbox\z@\hbox{#3}%
10984   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10985   \ifdim#2\p<\z@
10986     \ht\tw@-#2\dp\z@
10987     \dp\tw@-#2\ht\z@
10988   \else
10989     \ht\tw@#2\ht\z@
10990     \dp\tw@#2\dp\z@
10991   \fi
10992   \ifdim#1\p<\z@
10993     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10994   \else
10995     \wd\tw@#1\wd\z@
10996     \box\tw@
10997   \fi\ifmmode\else\if@RTL\endL\fi\fi}
10998 \def\Gin@iii[#1,#2][#3,#4]#5{%
10999   \begingroup
11000   \ifmmode\else\if@RTL\beginL\fi\fi
11001   \Gin@bboxtrue
11002   \Gin@defaultbp\Gin@llx{#1}%
11003   \Gin@defaultbp\Gin@lly{#2}%
11004   \Gin@defaultbp\Gin@urx{#3}%
11005   \Gin@defaultbp\Gin@ury{#4}%
11006   \Gin@include@graphics{#5}%
11007   \ifmmode\else\if@RTL\endL\fi\fi
11008   \endgroup}
11009 \def\Gin@ii[#1]#2{%
11010   \def\@tempa{[]}\def\@tempb{#2}%
11011   \ifx\@tempa\@tempb
11012     \def\@tempa{\Gin@iii[#1] []}%
11013     \expandafter\@tempa
11014   \else
11015     \begingroup
11016     \ifmmode\else\if@RTL\beginL\fi\fi
11017     \@tempswafalse

```



```

11018      \toks@{\Gininclude@graphics{#2}}}%
11019      \setkeys{Gin}{#1}%
11020      \Gin@esetsize
11021      \the\toks@
11022      \ifmmode\else\if@RTL\endL\fi\fi
11023      \endgroup
11024      \fi}
11025 \def\reflectbox{\bidiGscale@box-1[1]}
11026 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11027   \leavevmode
11028   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11029   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11030   \setbox\zw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11031   \ifdim#2\p<\z@
11032     \ht\zw@-#2\dp\z@
11033     \dp\zw@-#2\ht\z@
11034   \else
11035     \ht\zw@#2\ht\z@
11036     \dp\zw@#2\dp\z@
11037   \fi
11038   \ifdim#1\p<\z@
11039     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\zw@\hss}%
11040   \else
11041     \wd\zw@#1\wd\z@
11042     \box\zw@
11043   \fi\ifmmode\else\if@RTL\endL\fi\fi}
11044 \def\scalebox#1{%
11045   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11046 \def\resizebox{%
11047   \leavevmode
11048   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11049 \def\bidiGscale@@box#1#2#3{%
11050   \let\@tempa\Gin@exclamation
11051   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11052   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11053   \ifx\@tempb\@tempa
11054     \ifx\@tempc\@tempa
11055       \toks@{\mbox}%
11056     \else
11057       \toks@{\bidiGscale@box@dd{#3}#1}%
11058     \fi
11059   \else
11060     \ifx\@tempc\@tempa
11061       \toks@{\bidiGscale@box@dd{#2}\width}%
11062     \else
11063       \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11064     \fi
11065   \fi
11066   \the\toks@}
11067 \long\def\bidiGscale@box@dd#1#2#3{%

```



```

11068 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
11069 \setlength\@tempdima{#1}%
11070 \setlength\@tempdimb{#2}%
11071 \Gscale@div\@tempa\@tempdima\@tempdimb
11072 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11073 \@end@tempboxa}
11074 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
11075 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
11076 \setlength\@tempdima{#1}%
11077 \setlength\@tempdimb{#2}%
11078 \Gscale@div\@tempa\@tempdima\@tempdimb
11079 \setlength\@tempdima{#3}%
11080 \setlength\@tempdimb{#4}%
11081 \Gscale@div\@tempb\@tempdima\@tempdimb
11082 \ifGin@iso
11083 \ifdim\@tempa\p@>\@tempb\p@
11084 \let\@tempa\@tempb
11085 \else
11086 \let\@tempb\@tempa
11087 \fi
11088 \fi
11089 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11090 \@end@tempboxa}

```

## 7.68 geometry-xetex-bidi.def

```

11091 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
11092 \renewcommand*{\Gm@vrules@mpi}{%
11093 \if@RTLmain%
11094 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11095 \llap{\Gm@vrule}\ignorespaces
11096 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11097 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11098 \else%
11099 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11100 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11101 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11102 \renewcommand*{\Gm@vrules@mpii}{%
11103 \if@RTLmain%
11104 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11105 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11106 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11107 \else%
11108 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11109 \llap{\Gm@vrule}\ignorespaces
11110 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11111 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11112

```

## 7.69 hvfloat-xetex-bidi.def



```

1113 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
1114 \def\do@hvFloat[#1]#2#3{%
1115 \def\hv@shortCap{#1}
1116 \def\hv@longCap{#2}
1117 \def\hv@label{#3}
1118 %\newcommand*{\hvFloat}[5][]{%
1119 % [#1]: keyvalues
1120 % #2: type figure | table | ...
1121 % #3: float contents
1122 % [#4]: short caption
1123 % #5: caption
1124 % #6: label
1125 % \setDefaults%
1126 % \def\@tempa{#1}%
1127 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
1128 \def\@tempa{90}%
1129 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
1130 \else \setlength{\hvMaxCapWidth}{\linewidth}
1131 \fi
1132 %
1133 % First we save the object in \hvObjectBox
1134 %
1135 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
1136 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
1137 \else
1138 \savebox{\hvObjectBox}{%
1139 \rotatebox{\hvSet@objectAngle}{%
1140 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
1141 \fi
1142 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
1143 %
1144 % Now we save the caption with its defined \hvCapWidth
1145 %
1146 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
1147 \else
1148 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
1149 \else
1150 \setlength{\hvCapWidth}{\hvObjectWidth}
1151 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
1152 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
1153 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
1154 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
1155 \else
1156 \setlength{\hvCapWidth}{\hvMaxCapWidth}
1157 \fi
1158 \fi
1159 \fi
1160 %
1161 % now we have the object and the caption with the right
1162 % rotated angles saved in boxes

```



```

11163 %
11164 \def\fps@figure{\hvSet@floatPos}
11165 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11166 \else \begin{\hv@floatType}% Start the floating environment
11167 \fi%
11168 \saveCaptionSkip% we put this space ourselves
11169 \ifx\hvSet@capAngle\hv@Width % need rotation?
11170 \sbox{\hvCaptionBox}{%
11171 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11172 \ifhv@nonFloat%
11173 \ifhv@onlyText#2%
11174 \else%
11175 \ifx\hv@floatType\hv@figure
11176 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
11177 \else
11178 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
11179 \fi
11180 \fi
11181 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
11182 \fi%
11183 \label{#3}%
11184 \end{minipage}%
11185 }%
11186 \else%
11187 \sbox{\hvCaptionBox}{%
11188 \rotatebox{\hvSet@capAngle}{%
11189 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11190 \ifhv@nonFloat%
11191 \ifhv@onlyText#2%
11192 \else%
11193 \ifx\hv@floatType\hv@figure
11194 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
11195 \else
11196 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
11197 \fi
11198 \fi
11199 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
11200 \fi%
11201 \label{#3}%
11202 \end{minipage}%
11203 }%
11204 }%
11205 \fi%
11206 %%
11207 \restoreCaptionSkip% save old values
11208 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11209 \else%
11210 \ifx\hvSet@objectPos\hv@Center
11211 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11212 \fi%

```





```

11213 \fi%
11214 %
11215 % to rotate object and caption together, we save all in another box
11216 % the caption comes first, if its on the left or the top
11217 %
11218 \savebox{\@tempboxa}{%
11219 \ifx\hvSet@capPos\hv@Left % caption on left side
11220 \if@RTL%
11221 \ifx\hvSet@capVPos\hv@Center%
11222 \ifhv@fbox
11223 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11224 \else
11225 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11226 \fi%
11227 \hspace{\hvSet@floatCapSep pt}%
11228 \ifhv@fbox
11229 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11230 \else
11231 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11232 \fi%
11233 \else%
11234 \ifx\hvSet@capVPos\hv@Top
11235 \ifhv@fbox
11236 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11237 \else
11238 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11239 \fi%
11240 \hspace{\hvSet@floatCapSep pt}%
11241 \ifhv@fbox
11242 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11243 \else
11244 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11245 \fi
11246 \else
11247 \ifhv@fbox
11248 \fbox{\usebox{\hvObjectBox}}%
11249 \else
11250 \usebox{\hvObjectBox}%
11251 \fi
11252 \hspace{\hvSet@floatCapSep pt}%
11253 \ifhv@fbox
11254 \fbox{\usebox{\hvCaptionBox}}%
11255 \else
11256 \usebox{\hvCaptionBox}%
11257 \fi%
11258 \fi%
11259 \fi%
11260 \else% not RTL
11261 \ifx\hvSet@capVPos\hv@Center%
11262 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

11263     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11264     \fi%
11265     \hspace{\hvSet@floatCapSep pt}% capfloatsep
11266     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11267     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11268     \fi%
11269 \else%
11270 \ifx\hvSet@capVPos\hv@Top % caption at top
11271 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11272 \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11273 \fi
11274 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11275 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11276 \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
11277 \fi%
11278 \else% caption on bottom
11279 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11280 \else\usebox{\hvCaptionBox}
11281 \fi%
11282 \hspace{\hvSet@floatCapSep pt}%
11283 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11284 \else      \usebox{\hvObjectBox}
11285 \fi%
11286 \fi%
11287 \fi% end of RTL
11288 \fi%
11289 \else
11290 \ifx\hvSet@capPos\hv@Top
11291 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11292 \begin{minipage}{\wd\hvCaptionBox}
11293 \else
11294 \begin{minipage}{\wd\hvObjectBox}
11295 \fi
11296 \centering
11297 \ifhv@fbox
11298 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11299 \fbbox{\usebox{\hvObjectBox}}
11300 \else
11301 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11302 \usebox{\hvObjectBox}
11303 \fi%
11304 \end{minipage}
11305 \else
11306 \ifx\hvSet@capPos\hv@Bottom
11307 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11308 \begin{minipage}{\wd\hvCaptionBox}
11309 \else
11310 \begin{minipage}{\wd\hvObjectBox}
11311 \fi
11312 \centering

```



```

11313 \ifhv@fbox
11314 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11315 \fbox{\usebox{\hvCaptionBox}}
11316 \else
11317 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
11318 \usebox{\hvCaptionBox}
11319 \fi%
11320 \end{minipage}
11321 \else% the last option: put the caption on the right
11322 \if@RTL%
11323 \ifx\hvSet@capVPos\hv@Center%
11324 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11325 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11326 \fi%
11327 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11328 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11329 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
11330 \fi%
11331 \else%
11332 \ifx\hvSet@capVPos\hv@Top % caption at top
11333 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11334 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11335 \fi
11336 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11337 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11338 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11339 \fi%
11340 \else% caption on bottom
11341 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
11342 \else\usebox{\hvCaptionBox}
11343 \fi%
11344 \hspace{\hvSet@floatCapSep pt}%
11345 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
11346 \else \usebox{\hvObjectBox}
11347 \fi%
11348 \fi%
11349 \fi%
11350 \else% not RTL
11351 \ifx\hvSet@capVPos\hv@Center%
11352 \ifhv@fbox
11353 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11354 \else
11355 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11356 \fi%
11357 \hspace{\hvSet@floatCapSep pt}%
11358 \ifhv@fbox
11359 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11360 \else
11361 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11362 \fi%

```



```

11363 \else%
11364 \ifx\hvSet@capVPos\hv@Top
11365 \ifhv@fbox
11366 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11367 \else
11368 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11369 \fi%
11370 \hspace{\hvSet@floatCapSep pt}%
11371 \ifhv@fbox
11372 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11373 \else
11374 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11375 \fi
11376 \else
11377 \ifhv@fbox
11378 \fbox{\usebox{\hvObjectBox}}%
11379 \else
11380 \usebox{\hvObjectBox}%
11381 \fi
11382 \hspace{\hvSet@floatCapSep pt}%
11383 \ifhv@fbox
11384 \fbox{\usebox{\hvCaptionBox}}%
11385 \else
11386 \usebox{\hvCaptionBox}%
11387 \fi%
11388 \fi%
11389 \fi
11390 \fi% end of RTL
11391 \fi
11392 \fi
11393 \fi
11394 }% End savebox Object and caption
11395 %
11396 % now we rotate the object and caption, if needed
11397 %
11398 \ifx\hvSet@rotAngle\hv@Zero
11399 \usebox{\@tempboxa}
11400 \else
11401 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11402 \fi
11403 \ifhv@nonFloat
11404 \ifx\hvSet@objectPos\hv@Center
11405 \ifhv@nonFloat
11406 \hspace{\fill}
11407 \fi
11408 \fi
11409 \endgroup% End the nonfloat part
11410 \else
11411 \end{\hv@floatType}% End the floating environment
11412 \fi

```



```
11413 }
```

## 7.70 hyperref-xetex-bidi.def

```
11414 \ProvidesFile{hyperref-xetex-bidi.def}[2015/11/26 v0.9 bidi adaptations for hyperref package for
11415 \AtBeginDocument{%
11416 \def\contentsline#1#2#3#4{%
11417   \ifx\\#4\\%
11418     \csname l@#1\endcsname{#2}{#3}%
11419   \else
11420     \ifcase\Hy@linktoc % none
11421       \csname l@#1\endcsname{#2}{#3}%
11422     \or % section
11423       \csname l@#1\endcsname{%
11424         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11425       }{#3}%
11426     \or % page
11427       \csname l@#1\endcsname{#2}{#3}{%
11428         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11429       }%
11430     \else % all
11431       \csname l@#1\endcsname{%
11432         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
11433       }{#3}%
11434       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
11435     }%
11436   \fi
11437 \fi
11438 }
11439 \ifHy@hyperfootnotes
11440   \let\H@@footnotetext\@footnotetext
11441   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
11442   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
11443   \def\@xfootnotenext[#1]{%
11444     \begingroup
11445       \csname c@\@mpfn\endcsname #1\relax
11446       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11447     \endgroup
11448     \ifx\@footnotetext\@mpfootnotetext
11449       \expandafter\H@@mpfootnotetext
11450     \else
11451       \expandafter\H@@footnotetext
11452     \fi
11453   }%
11454   \def\@xRTLfootnotenext[#1]{%
11455     \begingroup
11456       \csname c@\@mpfn\endcsname #1\relax
11457       \unrestored@protected@xdef\@thefnmark{\thempfn}%
11458     \endgroup
11459     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
```



```

11460     \expandafter\HRTL@mpRTLfootnotetext
11461     \else
11462     \expandafter\HRTL@RTLfootnotetext
11463     \fi
11464 }%
11465 \def\@xLTRfootnotenext[#1]{%
11466 \begingroup
11467   \csname c@\mpfn\endcsname #1\relax
11468   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11469 \endgroup
11470 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
11471   \expandafter\HLTR@mpLTRfootnotetext
11472 \else
11473   \expandafter\HLTR@LTRfootnotetext
11474 \fi
11475 }%
11476 \def\@xfootnotemark[#1]{%
11477 \begingroup
11478   \c@footnote #1\relax
11479   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11480 \endgroup
11481 \H@@footnotemark
11482 }%
11483 \let\H@mpfootnotetext\mpfootnotetext
11484 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
11485 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
11486 \long\def\@mpfootnotetext#1{%
11487   \H@mpfootnotetext{%
11488     \ifHy@nesting
11489       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11490     \else
11491       \Hy@raisedlink{%
11492         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11493       }#1%
11494     \fi
11495   }%
11496 }%
11497 \long\def\@mpRTLfootnotetext#1{%
11498   \HRTL@mpRTLfootnotetext{%
11499     \ifHy@nesting
11500       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11501     \else
11502       \Hy@raisedlink{%
11503         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11504       }#1%
11505     \fi
11506   }%
11507 }%
11508 \long\def\@mpLTRfootnotetext#1{%
11509   \HLTR@mpLTRfootnotetext{%

```



```

11510     \ifHy@nesting
11511         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11512     \else
11513         \Hy@raisedlink{%
11514             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11515         }#1%
11516     \fi
11517 }%
11518 }%
11519 \long\def\@footnotetext#1{%
11520 \H@@footnotetext{%
11521     \ifHy@nesting
11522         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11523     \else
11524         \Hy@raisedlink{%
11525             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11526         }%
11527         \let\@currentHlabel\Hy@footnote@currentHlabel
11528         \let\@currentHref\Hy@footnote@currentHref
11529         \let\@currentlabelname\@empty
11530         #1%
11531     \fi
11532 }%
11533 }%
11534 \long\def\@RTLfootnotetext#1{%
11535 \HRTL@@RTLfootnotetext{%
11536     \ifHy@nesting
11537         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11538     \else
11539         \Hy@raisedlink{%
11540             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11541         }%
11542         \let\@currentHlabel\Hy@footnote@currentHlabel
11543         \let\@currentHref\Hy@footnote@currentHref
11544         \let\@currentlabelname\@empty
11545         #1%
11546     \fi
11547 }%
11548 }%
11549 \long\def\@LTRfootnotetext#1{%
11550 \HLTR@@LTRfootnotetext{%
11551     \ifHy@nesting
11552         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11553     \else
11554         \Hy@raisedlink{%
11555             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11556         }%
11557         \let\@currentHlabel\Hy@footnote@currentHlabel
11558         \let\@currentHref\Hy@footnote@currentHref
11559         \let\@currentlabelname\@empty

```



```

11560         #1%
11561         \fi
11562     }%
11563 }%
11564 \ifpackageloaded{tabularx}{%
11565 \let\HyOrg@TX@endtabularx\TX@endtabularx
11566 \def\Hy@tabularx@hook{%
11567 \let\@footnotetext\H@@footnotetext
11568 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11569 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11570 \let\@footnotemark\H@@footnotemark
11571 \let\@mpfootnotetext\H@@mpfootnotetext
11572 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
11573 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
11574 }%
11575 \begingroup
11576 \toks@\expandafter{\TX@endtabularx}%
11577 \xdef\Hy@gtemp{%
11578 \noexpand\Hy@tabularx@hook
11579 \the\toks@
11580 }%
11581 \endgroup
11582 \let\TX@endtabularx\Hy@gtemp
11583 }{}%
11584 \ifpackageloaded{longtable}{%
11585 \CheckCommand*{\LT@p@LTRftntext}[1]{%
11586 \edef\@tempa{%
11587 \the\LT@p@ftn
11588 \noexpand\LTRfootnotetext[\the\c@footnote]}%
11589 }%
11590 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11591 }%
11592 \long\def\LT@p@LTRftntext#1{%
11593 \edef\@tempa{%
11594 \the\LT@p@ftn
11595 \begingroup
11596 \noexpand\c@footnote=\the\c@footnote\relax
11597 \noexpand\protected@xdef\noexpand\@thefnmark{%
11598 \noexpand\thempfn
11599 }%
11600 \noexpand\Hy@LT@LTRfootnotetext{%
11601 \Hy@footnote@currentHref
11602 }%
11603 }%
11604 \global\LT@p@ftn\expandafter{%
11605 \@tempa{#1}%
11606 \endgroup
11607 }%
11608 }%
11609 \long\def\Hy@LT@LTRfootnotetext#1#2{%

```





```

11610 \HLTR@@LTRfootnotetext{%
11611 \ifHy@nesting
11612 \hyper@@anchor{#1}{#2}%
11613 \else
11614 \Hy@raisedlink{%
11615 \hyper@@anchor{#1}{\relax}%
11616 }%
11617 \def\@currentHref{#1}%
11618 \let\@currentlabelname\@empty
11619 #2%
11620 \fi
11621 }%
11622 }%
11623 \CheckCommand*\LT@p@RTLftntext}[1]{%
11624 \edef\@tempa{%
11625 \the\LT@p@ftn
11626 \noexpand\RTLfootnotetext[\the\c@footnote]%
11627 }%
11628 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11629 }%
11630 \long\def\LT@p@RTLftntext#1{%
11631 \edef\@tempa{%
11632 \the\LT@p@ftn
11633 \begingroup
11634 \noexpand\c@footnote=\the\c@footnote\relax
11635 \noexpand\protected@xdef\noexpand\@thefnmark{%
11636 \noexpand\thempfn
11637 }%
11638 \noexpand\Hy@LT@RTLfootnotetext{%
11639 \Hy@footnote@currentHref
11640 }%
11641 }%
11642 \global\LT@p@ftn\expandafter{%
11643 \@tempa{#1}%
11644 \endgroup
11645 }%
11646 }%
11647 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11648 \HRTL@@RTLfootnotetext{%
11649 \ifHy@nesting
11650 \hyper@@anchor{#1}{#2}%
11651 \else
11652 \Hy@raisedlink{%
11653 \hyper@@anchor{#1}{\relax}%
11654 }%
11655 \def\@currentHref{#1}%
11656 \let\@currentlabelname\@empty
11657 #2%
11658 \fi
11659 }%

```



```

11660 }%
11661 }{}%
11662 \@ifpackageloaded{bidipoem}{%
11663 \long\def\bidipoem@p@ftntext#1{%
11664 \edef\@tempxi{%
11665 \the\bidipoem@p@ftn
11666 \beginingroup
11667 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11668 \noexpand\protected@xdef\noexpand\@thefnmark{%
11669 \noexpand\thempfn
11670 }%
11671 \noexpand\Hy@bidipoem@footnotetext{%
11672 \Hy@footnote@currentHref
11673 }%
11674 }%
11675 \global\bidipoem@p@ftn\expandafter{%
11676 \@tempxi{#1}%
11677 \endgroup
11678 }%
11679 }%
11680 \long\def\Hy@bidipoem@footnotetext#1#2{%
11681 \H@@footnotetext{%
11682 \ifHy@nesting
11683 \hyper@@anchor{#1}{#2}%
11684 \else
11685 \Hy@raisedlink{%
11686 \hyper@@anchor{#1}{\relax}%
11687 }%
11688 \def\@currentHref{#1}%
11689 \let\@currentlabelname\@empty
11690 #2%
11691 \fi
11692 }%
11693 }%
11694 \long\def\bidipoem@p@LTRftntext#1{%
11695 \edef\@tempxi{%
11696 \the\bidipoem@p@ftn
11697 \beginingroup
11698 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11699 \noexpand\protected@xdef\noexpand\@thefnmark{%
11700 \noexpand\thempfn
11701 }%
11702 \noexpand\Hy@bidipoem@LTRfootnotetext{%
11703 \Hy@footnote@currentHref
11704 }%
11705 }%
11706 \global\bidipoem@p@ftn\expandafter{%
11707 \@tempxi{#1}%
11708 \endgroup
11709 }%

```



```

11710 }%
11711 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11712   \HLTR@@LTRfootnotetext{%
11713     \ifHy@nesting
11714       \hyper@@anchor{#1}{#2}%
11715     \else
11716       \Hy@raisedlink{%
11717         \hyper@@anchor{#1}{\relax}%
11718       }%
11719       \def\@currentHref{#1}%
11720       \let\@currentlabelname\@empty
11721       #2%
11722     \fi
11723   }%
11724 }%
11725 \long\def\bidipoem@p@RTLftntext#1{%
11726   \edef\@tempxi{%
11727     \the\bidipoem@p@ftn
11728     \begingroup
11729     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11730     \noexpand\protected@xdef\noexpand\@thefnmark{%
11731       \noexpand\thempfn
11732     }%
11733     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11734       \Hy@footnote@currentHref
11735     }%
11736   }%
11737   \global\bidipoem@p@ftn\expandafter{%
11738     \@tempxi{#1}%
11739   \endgroup
11740 }%
11741 }%
11742 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11743   \HRTL@@RTLfootnotetext{%
11744     \ifHy@nesting
11745       \hyper@@anchor{#1}{#2}%
11746     \else
11747       \Hy@raisedlink{%
11748         \hyper@@anchor{#1}{\relax}%
11749       }%
11750       \def\@currentHref{#1}%
11751       \let\@currentlabelname\@empty
11752       #2%
11753     \fi
11754   }%
11755 }%
11756 }{}%
11757 \let\HyOrg@maketitle\maketitle
11758 \def\maketitle{%
11759   \let\Hy@saved@footnotemark\@footnotemark

```



```

11760 \let\Hy@saved@footnotetext\@footnotetext
11761 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11762 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11763 \let\@footnotemark\H@@footnotemark
11764 \let\@footnotetext\H@@footnotetext
11765 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11766 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11767 \@ifnextchar[\Hy@maketitle@optarg{% ]
11768 \HyOrg@maketitle
11769 \Hy@maketitle@end
11770 }%
11771 }%
11772 \def\Hy@maketitle@optarg[#1]{%
11773 \HyOrg@maketitle[#1]}%
11774 \Hy@maketitle@end
11775 }%
11776 \def\Hy@maketitle@end{%
11777 \ifx\@footnotemark\H@@footnotemark
11778 \let\@footnotemark\Hy@saved@footnotemark
11779 \fi
11780 \ifx\@footnotetext\H@@footnotetext
11781 \let\@footnotetext\Hy@saved@footnotetext
11782 \fi
11783 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
11784 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11785 \fi
11786 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
11787 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11788 \fi
11789 }%
11790 \def\realfootnote{%
11791 \@ifnextchar[\@xfootnote{%
11792 \stepcounter{\@mpfn}%
11793 \protected@xdef\@thefnmark{\thempfn}%
11794 \H@@footnotemark\H@@footnotetext
11795 }%
11796 }%
11797 \fi
11798 \def\Hy@BeginAnnot#1{%
11799 \ifmmode\else\beginL\fi%
11800 \stepcounter{Hy@AnnotLevel}%
11801 \ifnum\value{Hy@AnnotLevel}=\@ne
11802 #1%
11803 \fi
11804 }
11805 \def\Hy@endAnnot{%
11806 \ifnum\value{Hy@AnnotLevel}=\@ne
11807 \Hy@endcolorlink
11808 \@pdfm@mark{eann}%
11809 \fi

```



```

11810 \addtocounter{Hy@AnnotLevel}\m@ne
11811 \ifmmode\else\endL\fi%
11812 }
11813 \def\hyper@link#1#2#3{%
11814 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\H
11815 }
11816 \def\hyper@linkfile#1#2#3{%
11817 \leavevmode
11818 \Hy@BeginAnnot{%
11819 \def\Hy@pstringF{#2}%
11820 \Hy@CleanupFile\Hy@pstringF
11821 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
11822 \Hy@pstringdef\Hy@pstringD{#3}%
11823 \Hy@MakeRemoteAction
11824 \@pdfm@mark{%
11825 bann<<%
11826 /Type/Annot%
11827 /Subtype/Link%
11828 \ifHy@pdfa /F 4\fi
11829 \Hy@setpdfborder
11830 \ifx\@filebordercolor\relax
11831 \else
11832 /C[\@filebordercolor]%
11833 \fi
11834 /A<<%
11835 /S/GoToR%
11836 /F(\Hy@pstringF)%
11837 /D%
11838 \ifx\#3\%
11839 [\Hy@href@page\@pdfremotestartview]%
11840 \else
11841 (\Hy@pstringD)%
11842 \fi
11843 \Hy@SetNewWindow
11844 \Hy@href@nextactionraw
11845 >>%
11846 >>%
11847 }%
11848 \Hy@colorlink\@filecolor
11849 }%
11850 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11851 \Hy@endAnnot
11852 }
11853 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
11854 \leavevmode
11855 \Hy@BeginAnnot{%
11856 \Hy@pstringdef\Hy@pstringF{#1}%
11857 \Hy@pstringdef\Hy@pstringP{#3}%
11858 \@pdfm@mark{%
11859 bann<<%

```



```

11860         /Type/Annot%
11861         /Subtype/Link%
11862         \ifHy@pdfa /F 4\fi
11863         \Hy@setpdfborder
11864         \ifx\@runbordercolor\relax
11865         \else
11866         /C[\@runbordercolor]%
11867         \fi
11868         /A<<%
11869         /F(\Hy@pstringF)%
11870         /S/Launch%
11871         \Hy@SetNewWindow
11872         \ifx\#3\%
11873         \else
11874         /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
11875         \fi
11876         \Hy@href@nextactionraw
11877         >>%
11878     >>%
11879 }%
11880 \Hy@colorlink\@runcolor
11881 }%
11882 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11883 \Hy@endAnnot
11884 }
11885 \def\hyper@linkurl#1#2{%
11886     \leavevmode
11887     \Hy@BeginAnnot{%
11888         \Hy@pstringdef\Hy@pstringURI{#2}%
11889         \@pdfm@mark{%
11890             bann<<%
11891             /Type/Annot%
11892             /Subtype/Link%
11893             \ifHy@pdfa /F 4\fi
11894             \Hy@setpdfborder
11895             \ifx\@urlbordercolor\relax
11896             \else
11897             /C[\@urlbordercolor]%
11898             \fi
11899             /A<<%
11900             /S/URI%
11901             /URI(\Hy@pstringURI)%
11902             \ifHy@href@ismap
11903             /IsMap true%
11904             \fi
11905             \Hy@href@nextactionraw
11906             >>%
11907         >>%
11908     }%
11909     \Hy@colorlink\@urlcolor

```



```

11910 }%
11911 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11912 \Hy@EndAnnot
11913 }
11914 \def\Acrobatmenu#1#2{%
11915 \Hy@Acrobatmenu{#1}{#2}{%
11916 \Hy@BeginAnnot{%
11917 \EdefEscapeName\Hy@temp@menu{#1}%
11918 \@pdfm@mark{%
11919 bann<%
11920 /Type/Annot%
11921 /Subtype/Link%
11922 \ifHy@pdfa /F 4\fi
11923 \Hy@setpdfborder
11924 \ifx\@menubordercolor\relax
11925 \else
11926 /C[\@menubordercolor]%
11927 \fi
11928 /A<%
11929 /S/Named%
11930 /N/\Hy@temp@menu
11931 \Hy@href@nextactionraw
11932 >>%
11933 >>%
11934 }%
11935 \Hy@colorlink\@menucolor
11936 }%
11937 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
11938 \Hy@EndAnnot
11939 }%
11940 }
11941 \def\hyper@natlinkstart#1{%
11942 \Hy@backout{#1}%
11943 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11944 \def\hyper@nat@current{#1}%
11945 }
11946 \def\hyper@natlinkend{%
11947 \if@RTL\endR\fi\hyper@linkend
11948 }
11949 \def\hyper@natlinkbreak#1#2{%
11950 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11951 }%
11952 }
11953 \pdfstringdefDisableCommands{%
11954 \let\LRE\@firstofone
11955 \let\LR\@firstofone
11956 \let\RLE\@firstofone
11957 \let\RL\@firstofone
11958 \def\XeTeX{Xe\TeX}
11959 \def\XeLaTeX{Xe\LaTeX}

```



```

11960 }
11961 \@ifpackageloaded{longtable}{%
11962   \begingroup
11963     \def\y{\LT@array}%
11964     \@ifundefined{scr@LT@array}{%
11965       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
11966     }{\def\y{\scr@LT@array}}%
11967     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11968       \expandafter\endgroup
11969       \expandafter\def\y[##1]##2{%
11970         \H@refstepcounter{#1}%
11971         \hyper@makecurrent{table}%
11972         \let\Hy@LT@currentHref\@currentHref
11973         #2\@sharp####4%
11974       }%
11975     }%
11976     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
11977   \begingroup
11978     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11979     \endgroup
11980     \def\LT@start{%
11981       #1%
11982       \ifvoid\LT@foot#2\fi
11983       \let\@currentHref\Hy@LT@currentHref
11984       \Hy@raisedlink{%
11985         \hyper@anchorstart{\@currentHref}\hyper@anchorend
11986       }%
11987       #3%
11988     }%
11989   }%
11990   \expandafter\x\LT@start\@nil
11991 }{}

```

## 7.71 leqno-xetex-bidi.def

```

11992 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11993 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
11994     \rlap{
11995       \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\l

```

## 7.72 letter-xetex-bidi.def

```

11996 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
11997 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
11998   \thispagestyle{firstpage}%
11999   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12000   \else % home address
12001     \thispagestyle{empty}%
12002     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12003       \fromaddress \*[2\parskip]%
12004       \@date \end{tabular}\par}%

```





```

12005 \fi
12006 \vspace{2\parskip}%
12007 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12008 \vspace{2\parskip}%
12009 #1\par\nobreak}
12010 \renewcommand\left@footnoterule{%
12011 \kern-\p@
12012 \hrule \@width .4\columnwidth
12013 \kern .6\p@}
12014 \renewcommand\right@footnoterule{%
12015 \kern-\p@
12016 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12017 \kern .6\p@}

```

## 7.73 lettrine-xetex-bidi.def

```

12018 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
12019 \def\@lettrine[#1]#2#3{%
12020 \setcounter{L@lines}{\theDefaultLines}%
12021 \setcounter{L@depth}{\theDefaultDepth}%
12022 \renewcommand*\L@hang{\DefaultLhang}%
12023 \renewcommand*\L@oversize{\DefaultLoversize}%
12024 \renewcommand*\L@raise{\DefaultLraise}%
12025 \renewcommand*\L@ante{\}%
12026 \setlength{\L@Findent}{\DefaultFindent}%
12027 \setlength{\L@Nindent}{\DefaultNindent}%
12028 \setlength{\L@slope}{\DefaultSlope}%
12029 \setlength{\L@novskip}{\DiscardVskip}%
12030 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12031 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12032 \if\DefaultOptionsFile\relax
12033 \else
12034 \begingroup
12035 \InputIfFileExists{\DefaultOptionsFile}%
12036 {}%
12037 {\PackageWarning{lettrine.sty}%
12038 {File \DefaultOptionsFile\space not found}%
12039 }%
12040 \def\color##1##{\l@color{##1}}%
12041 \let\l@color\@gobbletwo
12042 \def\textcolor##1##{\l@textcolor{##1}}%
12043 \def\l@textcolor##1##2##3{##3}%
12044 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12045 \gdef\l@LOKeys{%
12046 \else
12047 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12048 \fi
12049 \endgroup
12050 \def\KV@prefix{KV@L@}%
12051 \let\@tempc\relax

```



```

12052 \expandafter\KV@do\l@LOKeys,\relax,
12053 \sbox{\L@lbox}{\LettrineFont #2}%
12054 \setlength{\LettrineWidth}{\wd\L@lbox}%
12055 \def\KV@prefix{KV@L@}%
12056 \let\@tempc\relax
12057 \expandafter\KV@do\l@LOKeys,\relax,
12058 \fi
12059 \setkeys{L}{#1}%
12060 \ifL@image
12061 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12062 \else
12063 \sbox{\L@lbox}{\LettrineFont #2}%
12064 \fi
12065 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12066 \@tempdima=\baselineskip
12067 \ifnum\theL@lines=1
12068 \setlength{\L@first}{\ht\L@lbox}%
12069 \addtolength{\L@first}{-\ht\L@tbox}%
12070 \setlength{\L@lraise}{\z@}%
12071 \else
12072 \setlength{\L@first}{-\theL@lines\@tempdima}%
12073 \addtolength{\L@first}{\@tempdima}%
12074 \sbox{\@tempboxa}{\LettrineTextFont x}%
12075 \addtolength{\L@first}{-\ht\@tempboxa}%
12076 \setlength{\L@lraise}{-\L@raise\L@first}%
12077 \addtolength{\L@first}{\L@lraise}%
12078 \addtolength{\L@first}{\ht\L@lbox}%
12079 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12080 \addtolength{\L@lraise}{\@tempdima}%
12081 \fi
12082 \par
12083 \ifdim\L@first>\L@novskip
12084 \ifL@grid
12085 \@tempdima=\baselineskip
12086 \@tempdimb=\@tempdima
12087 \advance\@tempdimb by \L@novskip
12088 \@tempcnta=1
12089 \loop\ifdim\L@first>\@tempdimb
12090 \advance\@tempcnta by 1
12091 \advance\L@first by -\@tempdima
12092 \repeat
12093 \vskip\@tempcnta\baselineskip
12094 \else
12095 \vskip\L@first
12096 \fi
12097 \fi
12098 \setlength{\L@Pindent}{\wd\L@lbox}%
12099 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12100 \settowidth{\L@first}{\L@ante}%
12101 \addtolength{\L@Pindent}{\L@first}%

```



```

12102 \addtolength{\L@Pindent}{\L@Findent}%
12103 \setlength{\L@first}{\linewidth}%
12104 \addtolength{\L@first}{-\L@Pindent}%
12105 \addtolength{\L@Nindent}{\L@Pindent}%
12106 \setlength{\L@next}{\linewidth}%
12107 \addtolength{\L@next}{-\L@Nindent}%
12108 \addtolength{\L@Pindent}{\rightmargin}%
12109 \addtolength{\L@Nindent}{\rightmargin}%
12110 \setlength{\LettrineWidth}{\wd\L@lbox}%
12111 \setlength{\LettrineHeight}{\ht\L@lbox}%
12112 \setlength{\LettrineDepth}{\dp\L@lbox}%
12113 \addtocounter{L@lines}{1}%
12114 \addtocounter{L@lines}{\the\c@L@depth}%
12115 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
12116 \@tempcnta=\tw@
12117 \@whilenum \@tempcnta<\c@L@lines\do{%
12118   \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
12119     \addtolength{\L@Nindent}{\L@slope}%
12120     \addtolength{\L@next}{-\L@slope}%
12121     \advance\@tempcnta\@ne}%
12122 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
12123 \noindent
12124 \parshape=\L@parshape\relax
12125 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12126   \hskip \the\L@Findent}}%
12127 \usebox{\L@tbox}%
12128 }

```

## 7.74 listings-xetex-bidi.def

```

12129 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
12130 \lst@Key{captiondirection}{textdirection}{%
12131   \lstKV@SwitchCases{#1}%
12132   {textdirection&\\%
12133     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12134     LTR&\chardef\bidi@lst@caption@direction\z@%
12135   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12136 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12137   \ifundefined{bidi@lst@caption@direction}{\{}{%
12138     \ifnum\bidi@lst@caption@direction=\z@%
12139       #1%
12140     \else%
12141       \ifnum\bidi@lst@caption@direction=\@ne%
12142         #2%
12143       \fi%
12144     \fi%
12145   }}
12146 \long\def\@bidi@lst@makecaption#1#2{%
12147   \vskip\abovecaptionskip
12148   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%

```



```

12149 \sbox\@tempboxa{%
12150 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12151 #1: #2%
12152 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12153 }%
12154 \ifdim \wd\@tempboxa >\hsize
12155 #1: #2\par
12156 \else
12157 \global \@minipagefalse
12158 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12159 \fi
12160 \vskip\belowcaptionskip}%
12161 \def\lst@makecaption{\@bidi@lst@makecaption}
12162 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12163 \bidi@patchcmd{\lst@MakeCaption}{%
12164 \ifx #1%
12165 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12166 \expandafter\refstepcounter
12167 \fi {lstlisting}%
12168 }{%
12169 \ifx #1%
12170 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12171 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12172 \expandafter\refstepcounter
12173 \fi {lstlisting}%
12174 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
12175 }{}{}
12176 \bidi@patchcmd{\lst@MakeCaption}{%
12177 \addcontentsline{lol}{lstlisting}%
12178 {\protect\numberline{\thelstlisting}\lst@caption}%
12179 }{%
12180 \begingroup%
12181 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12182 \addcontentsline{lol}{lstlisting}%
12183 {\protect\numberline{\thelstlisting}\lst@caption}%
12184 \endgroup%
12185 }{}{}
12186 \AtBeginDocument{%
12187 \ifundefined{captionlabelfalse}{}{}%
12188 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
12189 \ifundefined{caption@startrue}{}{}%
12190 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
12191 }
12192 \AtBeginDocument{
12193 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
12194 \lst@ifnumberbychapter
12195 \gdef\thelstlisting%
12196 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
12197 \else
12198 \gdef\thelstlisting{\@arabic\c@lstlisting}

```



12199 \fi}

## 7.75 loadingorder-xetex-bidi.def

```
12200 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
12201 \bidi@isloaded{amsmath}
12202 \bidi@isloaded{amstext}
12203 \bidi@isloaded{amsthm}
12204 \bidi@isloaded{animate}
12205 \bidi@isloaded{breqn}
12206 \bidi@isloaded{cals}
12207 \bidi@isloaded{caption}
12208 \bidi@isloaded{crop}
12209 \bidi@isloaded{cuted}
12210 \bidi@isloaded{cutwin}
12211 \bidi@isloaded{color}
12212 \bidi@isloaded{dblfnote}
12213 \bidi@isloaded{xcolor}
12214 \bidi@isloaded{colortbl}
12215 \bidi@isloaded{float}
12216 \bidi@isloaded{floatrow}
12217 \bidi@isloaded{flowfram}
12218 \bidi@isloaded{framed}
12219 \bidi@isloaded{ftnright}
12220 \bidi@isloaded{xltextra}
12221 \bidi@isloaded{xunicode}
12222 \bidi@isloaded{wrapfig}
12223 \bidi@isloaded{graphicx}
12224 \bidi@isloaded{geometry}
12225 \bidi@isloaded{hvfloat}
12226 \bidi@isloaded{mdframed}
12227 \bidi@isloaded{midfloat}
12228 \bidi@isloaded{ntheorem}
12229 \bidi@isloaded{ntheorem-hyper}
12230 \bidi@isloaded{hyperref}
12231 \bidi@isloaded{fancybox}
12232 \bidi@isloaded{fancyhdr}
12233 \bidi@isloaded{fix2col}
12234 \bidi@isloaded{draftwatermark}
12235 \bidi@isloaded{empheq}
12236 \bidi@isloaded{overpic}
12237 \bidi@isloaded{pdfpages}
12238 \bidi@isloaded{listings}
12239 \bidi@isloaded{lettrine}
12240 \bidi@isloaded{media9}
12241 \bidi@isloaded{pstricks}
12242 \bidi@isloaded{pgf}
12243 \bidi@isloaded{picinpar}
12244 \bidi@isloaded{quotchap}
12245 \bidi@isloaded{tikz}
```



```

12246 \bidi@isloaded{titlesec}
12247 \bidi@isloaded{titletoc}
12248 \bidi@isloaded{array}
12249 \bidi@isloaded{soul}
12250 \bidi@isloaded{stabular}
12251 \bidi@isloaded{subfig}
12252 \bidi@isloaded{subfigure}
12253 \bidi@isloaded{supertabular}
12254 \bidi@isloaded{xtab}
12255 \bidi@isloaded{longtable}
12256 \bidi@isloaded{arydshln}
12257 \bidi@isloaded{multicol}
12258 \bidi@isloaded{multienum}
12259 \bidi@isloaded{minitoc}
12260 \bidi@isloaded{natbib}
12261 \bidi@isloaded{newfloat}
12262 \bidi@isloaded{ragged2e}
12263 \bidi@isloaded{rotating}
12264 \bidi@isloaded{tbls}
12265 \bidi@isloaded{tabulary}
12266 \bidi@isloaded{tocstyle}
12267 \bidi@isloaded{tocbibind}
12268 \bidi@isloaded{fontspec}
12269 \bidi@isloaded{arabxetex}
12270 \bidi@isloaded{polyglossia}
12271 \bidi@isloaded{fancyvrb}
12272 \AtBeginDocument{
12273   \if@bidi@amsmathloaded@ \else
12274     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
12275   \fi%
12276   \if@bidi@amstextloaded@ \else
12277     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
12278   \fi%
12279   \if@bidi@amsthmloaded@ \else
12280     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. PL
12281   \fi%
12282   \if@bidi@animateloaded@ \else
12283     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package. P
12284   \fi%
12285   \if@bidi@breqnloaded@ \else
12286     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Plea
12287   \fi%
12288   \if@bidi@calsloaded@ \else
12289     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
12290   \fi%
12291   \if@bidi@captionloaded@ \else
12292     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
12293   \fi%
12294   \if@bidi@croplloaded@ \else
12295     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea

```



```

12296 \fi%
12297 \if@bidi@colorloaded@else
12298 \@ifpackageloaded{hyperref}{\{%
12299 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
12300 \fi%
12301 \if@bidi@cutwinloaded@else
12302 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. PL
12303 \fi%
12304 \if@bidi@cutedloaded@else
12305 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
12306 \fi%
12307 \if@bidi@dblfnoteloaded@else
12308 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
12309 \fi%
12310 \if@bidi@xcolorloaded@else
12311 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. PL
12312 \fi%
12313 \if@bidi@colortblloaded@else
12314 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
12315 \fi%
12316 \if@bidi@floatloaded@else
12317 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
12318 \fi%
12319 \if@bidi@floatrowloaded@else
12320 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
12321 \fi%
12322 \if@bidi@flowframloaded@else
12323 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
12324 \fi%
12325 \if@bidi@framedloaded@else
12326 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. PL
12327 \fi%
12328 \if@bidi@ftnrightloaded@else
12329 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
12330 \fi%
12331 \if@bidi@xltxtalloaded@else
12332 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi package. F
12333 \fi%
12334 \if@bidi@xunicodeloaded@else
12335 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.
12336 \fi%
12337 \if@bidi@wrapfigloaded@else
12338 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. F
12339 \fi%
12340 \if@bidi@graphicxloaded@else
12341 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
12342 \fi%
12343 \if@bidi@geometryloaded@else
12344 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
12345 \fi%

```



```

12346 \if@bidi@hvfloatloaded@else
12347 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
12348 \fi%
12349 \if@bidi@mdframedloaded@else
12350 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
12351 \fi%
12352 \if@bidi@midfloatloaded@else
12353 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
12354 \fi%
12355 \if@bidi@ntheoremloaded@else
12356 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
12357 \fi%
12358 \if@bidi@hyperrefloaded@else
12359 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
12360 \fi%
12361 \if@bidi@fancyboxloaded@else
12362 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
12363 \fi%
12364 \if@bidi@fancyhdrloaded@else
12365 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
12366 \fi%
12367 \if@bidi@draftwatermarkloaded@else
12368 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
12369 \fi%
12370 \if@bidi@empheqloaded@else
12371 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. PL
12372 \fi%
12373 \if@bidi@overpicloaded@else
12374 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package. P
12375 \fi%
12376 \if@bidi@pdfpagesloaded@else
12377 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
12378 \fi%
12379 \if@bidi@lettrineloaded@else
12380 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
12381 \fi%
12382 \if@bidi@listingsloaded@else
12383 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package
12384 \fi%
12385 \csname if@bidi@media9loaded@endcsname\else
12386 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package. PL
12387 \fi%
12388 \if@bidi@pstricksloaded@else
12389 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
12390 \fi%
12391 \if@bidi@pgfloaded@else
12392 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
12393 \fi%
12394 \if@bidi@picinparloaded@else
12395 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.

```





```

12396 \fi%
12397 \if@bidi@quotchaploaded@else
12398 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package. Plea
12399 \fi%
12400 \if@bidi@tikzloaded@else
12401 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
12402 \fi%
12403 \if@bidi@titlesecloaded@else
12404 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
12405 \fi%
12406 \if@bidi@titletocloaded@else
12407 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
12408 \fi%
12409 \if@bidi@arrayloaded@else
12410 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
12411 \fi%
12412 \if@bidi@stabularloaded@else
12413 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
12414 \fi%
12415 \if@bidi@soulloaded@else
12416 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea
12417 \fi%
12418 \if@bidi@subfigloaded@else
12419 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. PL
12420 \fi%
12421 \if@bidi@subfigureloaded@else
12422 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
12423 \fi%
12424 \if@bidi@supertabularloaded@else
12425 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
12426 \fi%
12427 \if@bidi@xtabloaded@else
12428 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
12429 \fi%
12430 \if@bidi@longtableloaded@else
12431 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
12432 \fi%
12433 \if@bidi@arydshlnloaded@else
12434 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
12435 \fi%
12436 \if@bidi@multicolloaded@else
12437 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
12438 \fi%
12439 \if@bidi@multienumloaded@else
12440 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
12441 \fi%
12442 \if@bidi@minitocloaded@else
12443 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
12444 \fi%
12445 \if@bidi@natbibloaded@else

```



```

12446 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Pl
12447 \fi%
12448 \if@bidi@newfloatloaded@else
12449 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
12450 \fi%
12451 \csname if@bidi@ragged2loaded@endcsname\else
12452 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
12453 \fi%
12454 \if@bidi@rotatingloaded@else
12455 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
12456 \fi%
12457 \if@bidi@tblsloaded@else
12458 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Ple
12459 \fi%
12460 \if@bidi@tabularyloaded@else
12461 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
12462 \fi%
12463 \if@bidi@tocstyleloaded@else
12464 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
12465 \fi%
12466 \if@bidi@tocbibindloaded@else
12467 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
12468 \fi%
12469 \if@bidi@fontspecloaded@else
12470 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
12471 \fi%
12472 \if@bidi@arabxetexloaded@else
12473 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
12474 \fi%
12475 \if@bidi@polyglossialloaded@else
12476 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
12477 \fi%
12478 \if@bidi@fancyvrbloaded@else
12479 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
12480 \fi%
12481 }

```

## 7.76 longtable-xetex-bidi.def

```

12482 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
12483 \def\LT@array[#1]#2{%
12484 \refstepcounter{table}\stepcounter{LT@tables}%
12485 \if l#1%
12486 \if@RTLtab\LTleft\fill \Ltright\z@\else\LTleft\z@ \Ltright\fill\fi
12487 \else\if r#1%
12488 \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
12489 \else\if c#1%
12490 \LTleft\fill \Ltright\fill
12491 \fi\fi\fi
12492 \let\LT@mcol\multicolumn

```



```

12493 \let\LT@@tabarray\@tabarray
12494 \let\LT@@hl\hline
12495 \def\@tabarray{%
12496   \let\hline\LT@@hl
12497   \LT@@tabarray}%
12498 \let\\LT@tabularcr\let\tabularnewline\\%
12499 \def\newpage{\noalign{\break}}%
12500 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
12501 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
12502 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
12503 \@tempdima\ht\strutbox
12504 \let\@endpbox\LT@endpbox
12505 \ifx\extrarowheight\@undefined
12506   \let\@acol\@tabacol
12507   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
12508   \def\@startpbox{\vtop\LT@startpbox}%
12509   \let\@@startpbox\@startpbox
12510   \let\@@endpbox\@endpbox
12511   \let\LT@LL@FM@cr\@tabularcr
12512 \else
12513   \advance\@tempdima\extrarowheight
12514   \col@sep\tabcolsep
12515   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
12516 \fi
12517 \setbox\@arstrutbox\hbox{\vrule
12518   \@height \arraystretch \@tempdima
12519   \@depth \arraystretch \dp \strutbox
12520   \@width \z@}%
12521 \let\@sharp##\let\protect\relax
12522 \begingroup
12523   \mkpream{#2}%
12524   \xdef\LT@bchunk{%
12525     \global\advance\c@LT@chunks\@ne
12526     \global\LT@rows\z@\setbox\z@\vbox\bgroup
12527     \LT@setprevdepth
12528     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12529     \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
12530 \endgroup
12531 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12532 \LT@make@row
12533 \m@th\let\par\@empty
12534 \everycr{}\lineskip\z@baselineskip\z@
12535 \LT@bchunk}
12536 \def\LT@makecaption#1#2#3{%
12537   \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
12538     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12539     \ifdim\wd\@tempboxa>\hsize
12540       #1{#2: }#3%
12541     \else
12542       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%

```



```

12543 \fi
12544 \endgraf\vskip\baselineskip}%
12545 \hss}}
12546 \def\LT@startpbox#1{%
12547 \bgroup
12548 \let\@footnotetext\LT@p@ftntext
12549 \let\@LTRfootnotetext\LT@p@LTRftntext
12550 \let\@RTLfootnotetext\LT@p@RTLftntext
12551 \setlength\hsize{#1}%
12552 \@arrayparboxrestore
12553 \vrule \@height \ht\@arstrutbox \@width \z@}
12554 \def\LT@p@LTRftntext#1{%
12555 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
12556 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12557 \def\LT@p@RTLftntext#1{%
12558 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
12559 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

## 7.77 mdframed-xetex-bidi.def

```

12560 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
12561 \newif\if@bidi@mdf@RTL
12562 \def\mdf@lrbox#1{%
12563 \mdf@patchamsthm%patch amsthm
12564 \if@RTL\@bidi@mdf@RTLtrue\fi%
12565 \@RTLfalse%
12566 \setbox#1\vbox\bgroup%
12567 \color@begingroup%
12568 \if@bidi@mdf@RTL\@RTLtrue\fi%
12569 \mdf@horizontalmargin@equation%
12570 \columnwidth=\hsize%
12571 \textwidth=\hsize%
12572 \let\if@nobreak\iffalse%
12573 \let\if@noskipsec\iffalse%
12574 \let\par\@par%
12575 \let\-\@dischyph%
12576 \let'\@acci\let`\@accii\let\=@acciii%
12577 \parindent\z@ \parskip\z@skip%
12578 \linewidth\hsize%
12579 \@totalleftmargin\z@%
12580 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12581 \parfillskip\@flushglue \lineskip\normallineskip%
12582 \baselineskip\normalbaselineskip%
12583 %% \sloppy%
12584 \let\\\@normalcr%
12585 \mdf@par@local%New feature to restore parskip/parindent local in save box
12586 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12587 \@afterindentfalse%
12588 %\@afterheading%
12589 }

```



```

12590 \renewrobustcmd\mdfframetitleenv[1]{%
12591     \mdf@lrbox{\mdf@frametitlebox}%
12592     \mdf@frametitlealignment%
12593     \leavevmode{\color{\mdf@frametitlefontcolor}%
12594         \normalfont\mdf@frametitlefont{#1}
12595         \ifbool{mdf@ignorelastdescenders}%
12596             {%
12597                 \par\strut\par
12598                 \unskip\unskip\setbox0=\lastbox
12599                 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12600             }%
12601     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
12602     \endmdf@lrbox\relax%
12603     \mdf@ignorevbadness%
12604     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12605     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12606     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12607     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12608     \mdfframetitleboxtotalheight=\dimexpr
12609         \ht\mdf@frametitlebox
12610         +\dp\mdf@frametitlebox%
12611         +\mdf@frametitleaboveskip@length
12612         +\mdf@frametitlebelowskip@length
12613     \relax%
12614 }
12615
12616 \renewrobustcmd*\mdf@footnoteoutput{%
12617     \ifvoid\@mpfootins\else%
12618         \nobreak%
12619         \vskip\mdf@footnotedistance@length%
12620         \normalcolor%
12621         \bidi@mpfootnoterule%
12622         \unvbox\@mpfootins%
12623     \fi%
12624 }
12625
12626
12627 \renewrobustcmd*\mdf@footnoteinput{%
12628     \def\@mpfn{mpfootnote}%
12629     \def\thempfn{\thempfootnote}%
12630     \c@mpfootnote\z@%
12631     \let\@footnotetext\@mpfootnotetext%
12632     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12633     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12634 }

```

## 7.78 bidi-media9.sty

```

12635 \ProvidesExplPackage{bidi-media9}{2016/05/03}{0.2}
12636 {bidi fixes for media9 package for the XeTeX engine}

```



```

12637
12638 \keys_define:nn{media9/mbtn}{
12639   draft .code:n = {},
12640   final .code:n = {},
12641
12642   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
12643   tooltip .value_required:n = {true},
12644
12645   overface .code:n = {
12646     %\hbox_set:Nn\l_mix_poster_box{#1}
12647     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12648     \mix_pdfxform:n{\l_mix_poster_box}
12649     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
12650   },
12651   overface .value_required:n = {true},
12652
12653   downface .code:n = {
12654     %\hbox_set:Nn\l_mix_poster_box{#1}
12655     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
12656     \mix_pdfxform:n{\l_mix_poster_box}
12657     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
12658   },
12659   downface .value_required:n = {true},
12660
12661   3Dgotoview .code:n = {
12662     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
12663     \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
12664     \tl_trim_spaces:N\l_tmpa_tl
12665     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12666       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12667         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
12668         \regex_replace_once:nnN{[~:~]+:??}{\1}\l_tmpb_tl
12669         \tl_trim_spaces:N\l_tmpb_tl
12670         \tl_if_blank:VF\l_tmpb_tl{
12671           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
12672             \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
12673         }{
12674           \regex_match:nVTF{^~d+$}\l_tmpb_tl{
12675             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
12676         }{
12677           \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
12678           \regex_replace_once:nnN{\s*~}{\1}\l_tmpb_tl
12679           \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
12680         }
12681       }
12682     }
12683     \mix_pdfobj:nnn{}{dict}{
12684       /S/JavaScript/JS~(
12685         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
12686         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){

```



```

12687         annotRM['\l_tmpa_tl']=
12688         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12689     }
12690     annotRM['\l_tmpa_tl'].activated=true;
12691 )
12692 \tl_if_blank:VF\l_tmpb_tl{
12693     /Next~<<
12694     /S/GoTo3DView
12695     /TA~\tl_use:c{ann@\l_tmpa_tl}
12696     /V\l_mix_vidx_tl
12697     >>
12698 }
12699 }
12700 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12701 }
12702 }{
12703     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
12704     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12705         \tl_new:N\g_mix_refundefwarned_tl
12706         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
12707     }
12708 }
12709 },
12710 3Dgotoview .value_required:n = {true},
12711
12712 mediacommand .code:n = {
12713     \tl_set:Nx\l_tmpa_tl{#1}
12714     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl %extract ref
12715     \tl_trim_spaces:N\l_tmpa_tl
12716     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
12717         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
12718             \tl_set:Nx\l_tmpb_tl{#1}
12719             \regex_replace_once:nnN{([~:~]+):?}{\1}\l_tmpb_tl
12720             \tl_trim_spaces:N\l_tmpb_tl
12721             \regex_replace_all:nnN{^~{|\}$}{\1}\l_tmpb_tl
12722             \tl_set:Nx\l_mix_cmd_tl{
12723                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
12724             \tl_trim_spaces:N\l_mix_cmd_tl
12725             \tl_set:Nx\l_mix_arg_tl{
12726                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
12727             \tl_trim_spaces:N\l_mix_arg_tl
12728             \mix_pdfobj:nnn{}{dict}{
12729                 /S/JavaScript/JS~(
12730                     if (typeof(annotRM)=='undefined'){annotRM=new-Array();}
12731                     if (typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12732                         annotRM['\l_tmpa_tl']=
12733                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12734                     }
12735                     annotRM['\l_tmpa_tl'].activated=true;
12736                 )

```



```

12737         \tl_if_blank:VF\l_mix_cmd_tl{
12738             /Next~<<
12739             /S/RichMediaExecute
12740             /TA~\tl_use:c{ann@l_tmpa_tl}
12741             /TI~\tl_use:c{main@l_tmpa_tl}
12742             /CMD~<<
12743             /C~(\l_mix_cmd_tl)
12744             \tl_if_blank:VF\l_mix_arg_tl{
12745                 /A~[\l_mix_arg_tl]
12746             }
12747             >>
12748             >>
12749         }
12750     }
12751     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12752 }
12753 }{
12754     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12755     \cs_if_exist:NF\g_mix_refundefwarned_tl{
12756         \tl_new:N\g_mix_refundefwarned_tl
12757         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12758     }
12759 }
12760 },
12761 mediacommand .value_required:n = {true},
12762
12763 jsaction .code:n = {
12764     \tl_set:Nx\l_tmpa_tl{#1}
12765     \regex_match:nVTF{^[^:]+:.*$}\l_tmpa_tl{
12766         \regex_replace_once:nnN{([~:])+:??.*}{\1}\l_tmpa_tl %extract ref
12767         \tl_trim_spaces:N\l_tmpa_tl
12768     }{\tl_clear:N\l_tmpa_tl}
12769     \tl_set:Nx\l_tmpb_tl{#1}
12770     \tl_if_blank:VF\l_tmpa_tl{
12771         \tl_if_exist:cF{ann@l_tmpa_tl}{
12772             \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
12773             \cs_if_exist:NF\g_mix_refundefwarned_tl{
12774                 \tl_new:N\g_mix_refundefwarned_tl
12775                 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
12776             }
12777         }
12778         \regex_replace_once:nnN{[^:]+\:}{~}\l_tmpb_tl
12779     }
12780     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
12781     \tl_trim_spaces:N\l_tmpb_tl
12782     \tl_if_blank:VF\l_tmpb_tl{
12783         \mix_pdfobj:nnn{}{dict}{
12784             /S/JavaScript/JS~(
12785                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
12786         \bool_if:nT{

```





```

12787     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12788     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
12789   }{
12790     \mix_pdfobj:nnn{}{dict}{
12791       /S/JavaScript/JS~(
12792         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
12793         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
12794           annotRM['\l_tmpa_tl']=
12795             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
12796         }
12797         annotRM['\l_tmpa_tl'].activated=true;
12798       )
12799       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
12800     }
12801   }
12802   \bool_if:nT{
12803     \tl_if_exist_p:c{ann@\l_tmpa_tl}&&
12804     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}||
12805     !\tl_if_blank_p:V\l_tmpb_tl
12806   }{
12807     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
12808   }
12809 },
12810 jsaction .value_required:n = {true},
12811
12812 unknown .code:n = {
12813   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
12814 }
12815 }
12816
12817
12818 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
12819   \mix_urienid:
12820   \group_begin:
12821     \beginL
12822     \leavevmode
12823     %empty stream as appearance dummy
12824     \cs_if_exist:NF\g_mix_appearance_tl{
12825       \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
12826       \mix_pdfxform:n{\l_mix_poster_box}
12827       \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
12828     }
12829     \mix_reset:
12830     \mix_uribegin: %treat URI characters correctly
12831     \keys_set:nn{media9/user}{#1}
12832     \mix_urienid:
12833     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
12834     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
12835     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
12836     \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}

```



```

12837 \tl_gtrim_spaces:N\g_mix_flashvars_tl
12838
12839 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
12840
12841 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
12842 %\hbox_set:Nn\l_mix_poster_box{#2}
12843 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
12844 \mix_scale:n{\l_mix_poster_box}
12845 \bool_if:nT{
12846   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
12847   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
12848 }{
12849   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
12850 }
12851 \bool_if:nTF\g_mix_usrdraft_bool{
12852   \tl_if_empty:NF\g_mix_usrlabel_tl{
12853     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
12854   }
12855   \tl_if_blank:oTF{#2}{
12856     \mix_urbegin: %treat URI characters correctly
12857     \mix_draftbox:n{\tl_to_str:n{#3}}
12858     \mix_uriend:
12859   }{
12860     \hbox_to_wd:nn{\g_mix_wd_tl}{
12861       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
12862       \box_use:N\l_mix_poster_box\hss
12863     }
12864   }
12865 }{
12866   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
12867     %attach script that switches off play button overlay upon activation
12868     \mix_pdfobj:nnn{}{stream}{
12869       {}{
12870         var~ocgs=host.getOCGs(host.pageNum);
12871         for(var~i=0;i<ocgs.length;i++){
12872           if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
12873             ocgs[i].state=false;
12874           }
12875         }
12876       }
12877     }
12878     \mix_pdfobj:nnn{}{dict}{
12879       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
12880     }
12881     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
12882     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
12883     %enforce plain playbutton overlay for XeTeX
12884     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
12885   }
12886   %embed main asset

```



```

12887 \mix_uribegin:
12888 \mix_embedasset:n{#3}
12889 \bool_if:nTF{
12890 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
12891 }{
12892   \bool_gset_true:N\g_mix_iiid_bool
12893   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
12894 }{
12895   \str_case_x:nnF{\l_mix_base_tl}{
12896     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12897     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
12898     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12899     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12900     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
12901   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
12902 }
12903 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
12904 \mix_uriend:
12905 %secondary assets (added by addresource)
12906 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
12907 \seq_map_inline:Nn\g_mix_script_seq{
12908   \mix_embedasset:n{##1}
12909   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
12910 }
12911 %attach 3D calculation script
12912 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
12913   \mix_embedasset:n{3Dmenu.js}
12914   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
12915 }
12916 %create 3D views from file (option 3Dviews)
12917 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
12918   \tl_set:Nn\l_mix_level_tl{\c_minus_one}
12919   \int_zero:N\l_mix_viewcnt_int
12920   \int_zero:N\l_mix_lineno_int
12921
12922   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
12923   \ior_map_inline:Nn\l_mix_vfile_stream{
12924     \int_incr:N\l_mix_lineno_int
12925     \keys_set:nn{media9/views}{##1} %process input line
12926   }
12927   \ior_close:N\l_mix_vfile_stream
12928 }
12929 \bool_if:nT{ %create default 3D view if required
12930   \g_mix_iiid_bool &&
12931   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
12932 }{
12933   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
12934   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
12935   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
12936   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl

```



```

12937 \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
12938 \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
12939 \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
12940
12941 \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
12942 \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
12943 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
12944 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
12945
12946 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
12947 \bool_set_eq:NN\l_mix_iidortho_bool\g_mix_opt_iidortho_bool
12948 \tl_clear:N\l_mix_naarray_tl
12949
12950 \bool_if:NF\l_mix_ciiw_bool{
12951 \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
12952 \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
12953 }
12954
12955 \tl_clear:N\l_mix_naarray_tl
12956 \tl_clear:N\l_mix_saarray_tl
12957 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
12958
12959 \mix_view:n{Default}
12960 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
12961
12962 }
12963 \mix_pdfobj:nnn{}{dict}{
12964 /Type/RichMediaInstance
12965 /Subtype/\g_mix_mainassetsub_tl
12966 /Asset~\g_mix_mainasset_tl
12967 \bool_if:NF\g_mix_iid_bool{
12968 /Params~<<
12969 /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
12970 /Foreground
12971 }{
12972 /Background
12973 }
12974 \tl_if_blank:VF\g_mix_flashvars_tl{
12975 /FlashVars~(\g_mix_flashvars_tl)
12976 }
12977 >>
12978 }
12979 }
12980 \tl_if_empty:NF\g_mix_usrlabel_tl{
12981 \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
12982 }
12983 \mix_pdfobj:nnn{}{dict}{
12984 /Type/RichMediaConfiguration
12985 /Subtype/\g_mix_mainassetsub_tl
12986 /Instances~[\mix_pdflastobj:]

```



```

12987 }
12988 \mix_pdfobj:nnn(){dict}{
12989   /Type/RichMediaContent
12990   /Assets~<</Names~[\g_mix_assets_tl]>>
12991   /Configurations~[\mix_pdflastobj:]
12992   \bool_if:nT{
12993     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
12994   }{
12995     /Views~[\l_mix_iiidviewarray_tl]
12996   }
12997 }
12998 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
12999 \bool_if:nT{
13000   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13001 }{
13002   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13003 }
13004 %determine floating window size
13005 \bool_if:NT\g_mix_opt_windowed_bool{
13006   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13007 }
13008 \mix_pdfobj:nnn(){dict}{
13009   /Activation~<<
13010   /Condition\g_mix_act_tl
13011   \bool_if:nT{
13012     \g_mix_iiid_bool &&
13013     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13014   }{%seems to work only with 3D content
13015     /Animation~<<
13016     /Subtype\g_mix_playtpe_tl
13017     /PlayCount~\g_mix_playcnt_tl
13018     /Speed~\g_mix_playspd_tl
13019     >>
13020   }
13021   \bool_if:nT{
13022     \g_mix_iiid_bool && (
13023     \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13024     )
13025   }{/View~\l_mix_dfltview_tl}
13026   /Presentation~<<
13027   /Transparent~\g_mix_transp_tl
13028   \bool_if:NTF\g_mix_opt_windowed_bool{
13029     /Style/Windowed
13030   }/Window~<<
13031     /Width~<</Default~\tl_mix_fltd>>
13032     /Height~<</Default~\tl_mix_fltht>>
13033     /Position~<<
13034     /HOffset~0/VOffset~0
13035     \str_case:x:nnF{\g_mix_winpos_tl}{
13036       {tl}{VAlign/Near/HAlign/Near}

```



```

13037         {cl}{/VAlign/Center/HAlign/Near}
13038         {bl}{/VAlign/Far/HAlign/Near}
13039         {bc}{/VAlign/Far/HAlign/Center}
13040         {br}{/VAlign/Far/HAlign/Far}
13041         {cr}{/VAlign/Center/HAlign/Far}
13042         {tr}{/VAlign/Near/HAlign/Far}
13043         {tc}{/VAlign/Near/HAlign/Center}
13044     }{/HAlign/Center/VAlign/Center}
13045     >>
13046     >>
13047     }{
13048         /Style/Embedded
13049     }
13050     \bool_if:NTF\g_mix_iiid_bool{
13051         /Toolbar~\g_mix_tools_tl
13052         /NavigationPane~\g_mix_nav_tl
13053     }{
13054         /PassContextClick~\g_mix_contextclick_tl
13055     }
13056     >>
13057     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13058     >>
13059     /Deactivation~<</Condition\g_mix_deact_tl>>
13060 }
13061 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13062 \tl_if_empty:NF\g_mix_usrlabel_tl{
13063     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13064 }
13065 % #1:width, #2:height, #3:depth, #4:content (key-value)
13066 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13067     /Subtype/RichMedia
13068     /F~4\cs_if_exist_use:N\ocgxii@insert@OC
13069     /BS~<</W~0/S/S>>
13070 /Contents~(media~embedded-by-media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13071 /NM~(\g_mix_label_tl)
13072 /AP~<</N~\g_mix_appearance_tl>>
13073 /RichMediaSettings~\l_mix_settings_tl
13074 /RichMediaContent~\l_mix_content_tl
13075 }
13076 \tl_if_empty:NF\g_mix_usrlabel_tl{
13077     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13078     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13079         \noexpand\the\g_mix@page@int}
13080 }
13081 \mix_pdfobj:nnn{}{dict}{
13082     /S/JavaScript/JS~(
13083         try{
13084             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13085             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
13086                 annotRM['\g_mix_label_tl']=

```



```

13087         this.getAnnotRichMedia(this.pageNum,'g_mix_label_tl');
13088     }
13089     \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
13090         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
13091             var~ocgs=this.getOCGs(this.pageNum);
13092             for(var~i=0;i<ocgs.length;i++){
13093                 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13094                     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
13095                 }
13096             }
13097         }
13098         if(
13099             !annotRM['g_mix_label_tl'].activated&&(
13100                 app.viewerType=='Reader' ||
13101                 app.viewerType=='Exchange' ||
13102                 app.viewerType=='Exchange-Pro'
13103             )&&app.viewerVersion>=9
13104         ){
13105             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
13106         }
13107     }
13108 }catch(e){}
13109 this.dirty=false;
13110 )
13111 }
13112 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
13113     /Subtype/Widget
13114     /FT/Btn/Ff~65537/F~2
13115     /BS~<</W~0>>
13116     /T~(fd@g_mix_label_tl)
13117     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
13118 }
13119 \mix_appendtofields:n{\mix_pdflastann:}
13120 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
13121 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
13122     \hbox_to_wd:nn{\g_mix_wd_tl}{
13123         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
13124     }
13125 }{%insert play button overlay
13126     \mix_insert_btnocg: %create OCG
13127     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@g_mix_usrpbtn_tl @tl}
13128     %\hbox_set:Nn\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13129     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
13130     \box_move_down:nn{\g_mix_dp_tl}{
13131         \hbox_to_wd:nn{\g_mix_wd_tl}{
13132             \vbox_to_ht:nn{\g_mix_tt_tl}{
13133                 \vss
13134                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
13135                 \box_use:N\l_mix_pbtn_box
13136                 \ocgbase_oc_emc:

```



```

13137     }
13138   }
13139 }
13140 }
13141   \int_gincr:N\g_mix_rmcnt_int
13142 }
13143 \endL
13144 \group_end:
13145 }
13146 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
13147 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
13148
13149
13150
13151 \RenewDocumentCommand\mediabutton{0{ }m}{%#1 options, #2 normal button text
13152   \mix_uriend:
13153   \group_begin:
13154   \beginL
13155   \leavevmode
13156   %reset various variables
13157   \tl_gclear:N\g_mix_overbtn_tl
13158   \tl_gclear:N\g_mix_downbtn_tl
13159   \tl_gclear:N\g_mix_btnactions_tl
13160   \tl_gclear:N\g_mix_tooltip_tl
13161   %process options
13162   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
13163   \mix_uribegin: %treat URI characters correctly
13164   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
13165   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
13166   \mix_uriend:
13167   %normal button appearance
13168   \%hbox_set:Nn\l_mix_poster_box{#2}
13169   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13170   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
13171   \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
13172   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
13173   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
13174     \mix_pdfxform:n{\l_mix_poster_box}
13175     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
13176     \bool_if:nT{ %dummy Widget for ocgx2, AR seems to need it
13177 %     \cs_if_exist_p:N\ocgxii@insert@OC && !\tl_if_blank_p:V\ocgxii@insert@OC
13178       !\cs_if_exist:NTF\ocgxii@insert@OC{
13179         \tl_if_blank_p:V\ocgxii@insert@OC
13180       }{
13181         \c_true_bool
13182       }
13183     }{\mix_pdfannot:nnnn{\width}{\height}{\depth}{/Subtype/Widget/F~2}}
13184     %insert widget annotation
13185     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
13186       /Subtype/Widget

```





```

13187 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
13188 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
13189 /FT/Btn/Ff~65536\cs_if_exist_use:N\ocgxii@insert@OC
13190 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
13191 /AP~<<
13192 /N~\g_mix_normalbtn_tl
13193 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
13194 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
13195 >>
13196 /MK~<<
13197 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
13198 /I~\g_mix_normalbtn_tl
13199 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
13200 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
13201 >>
13202 /A~<<
13203 /S/JavaScript/JS~(app.focusRect=false;)
13204 %sequence of actions to perform
13205 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
13206 >>
13207 }
13208 \mix_appendtofields:n{\mix_pdflastann:}
13209 \hbox_to_wd:nn{\width}{
13210 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
13211 }
13212 \int_gincr:N\g_mix_mbtncnt_int
13213 }
13214 \endL
13215 \group_end:
13216 }
13217 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
13218 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
13219
13220
13221

```

## 7.79 memoir-xetex-bidi.def

```

13222 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
13223 \renewcommand{\keepthetitle}{%
13224 \@bsmtitleempty
13225 \global\let\thanks\relax
13226 \global\let\LTRthanks\relax
13227 \global\let\RTLthanks\relax
13228 \global\let\and\relax
13229 \global\let\andnext\relax
13230 \global\let\@thanks\@empty
13231 \global\let\@title\@empty
13232 \global\let\@author\@empty
13233 \global\let\@date\@empty}

```



```

13234 \renewcommand{\maketitle}{\par
13235   \begin{group}
13236     \@bsmarkseries
13237     \def\@makefnmark{\@textsuperscript{%
13238       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
13239     \long\def\@makefntext##1{\makethanksmark ##1}
13240     \if@twocolumn
13241       \ifnum \col@number=\@ne
13242         \@maketitle
13243       \else
13244         \twocolumn[\@maketitle]%
13245       \fi
13246     \else
13247       \ifdim\pagetotal>\z@
13248         \newpage
13249       \fi
13250       \global\@topnum\z@
13251       \@maketitle
13252     \fi
13253     \thispagestyle{title}\@thanks
13254   \end{group}
13255   \@bscontmark % \setcounter{footnote}{0}%
13256 }
13257 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
13258 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
13259 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
13260 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
13261 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
13262 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
13263 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
13264 \renewcommand*{\thesubsection}{%
13265   \thesection\@SepMark\@arabic\c@subsection}
13266 \renewcommand*{\thesubsubsection}{%
13267   \thesubsection\@SepMark\@arabic\c@subsubsection}
13268 \renewcommand*{\theparagraph}{%
13269   \thesubsubsection\@SepMark\@arabic\c@paragraph}
13270 \renewcommand*{\thesubparagraph}{%
13271   \theparagraph\@SepMark\@arabic\c@subparagraph}
13272 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
13273 \renewcommand{\theequation}{%
13274   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13275 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
13276 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
13277 \ifartopt
13278   \chapterstyle{article}
13279   \counterwithout{figure}{chapter}
13280   \counterwithout{table}{chapter}
13281   \counterwithout{footnote}{chapter}
13282   \counterwithout{equation}{chapter}
13283   \renewcommand{\chaptername}{\}

```



```

13284 \renewcommand{\maketitlehookb}{%
13285     \vskip -1.5\topsep\vskip -1.5\partopsep}
13286 \renewcommand{\maketitlehookc}{%
13287     \vskip -1.5\topsep\vskip -1.5\partopsep}
13288 \fi
13289 \long\def\@makecaption#1#2{\let\@memtempa\relax
13290 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
13291 \else \def\@memtempa{\vbox to\topskip{}}\fi
13292 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
13293 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
13294 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
13295 \let\footnote\@contfnote
13296 \let\footnotemark\@contfmark
13297 \ifdim\wd\@tempboxa<\linewidth \centering \fi
13298 \if@contcw
13299     \centering
13300     \parbox{\@contcwidth}{%
13301         \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
13302     \fi
13303 \ifdim\wd\@tempboxa<\linewidth
13304     \@contpre
13305     {\@contnfont #1\@contdelim}\@memtempa
13306     {\@contcshortstyle \@conttfont #2\@contfinal\par}
13307 \else
13308     \if@conthang
13309         \sbox\@tempboxa{\@contnfont #1\@contdelim}
13310         \@contpre%
13311         {\@contcstyle\hangindent=\wd\@tempboxa
13312         \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
13313     \else
13314         \if@contindent
13315             \@contpre%
13316             {\@contnfont #1\@contdelim}\@memtempa
13317             {\@contcstyle\hangindent=\@contindw
13318             \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
13319         \else
13320             \@contpre%
13321             {\@contnfont #1\@contdelim}\@memtempa
13322             {\@contcstyle \@conttfont #2\@contfinal\par}
13323         \fi
13324     \fi
13325 \fi
13326 \@contpost
13327 \if@contcw
13328     \par
13329 } % end of the \parbox
13330 \fi
13331 \vskip\belowcaptionskip}
13332 \ifpackageloaded{caption}{%
13333 \AtBeginPackage{caption}{

```



```

13334 \ClassWarningNoLine{memoir}{%
13335   You are using the caption package with the memoir \MessageBreak
13336   class. This may cause unexpected or inconsistent \MessageBreak
13337   results if you use any of memoir's captioning facilities}
13338
13339 \long\def\@makecaption##1##2{%
13340   \vskip\abovcaptionskip
13341   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
13342   \ifdim \wd\@tempboxa >\hsize
13343     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
13344   \else
13345     \global \@minipagefalse
13346     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13347   \fi
13348   \vskip\belowcaptionskip}
13349
13350 \def\caption{%
13351   \ifx\@capytype\@undefined
13352     \latexerror{\noexpand\caption outside float}\@ehd
13353     \expandafter\@gobble
13354   \else
13355     \refstepcounter\@capytype
13356     \expandafter\@firstofone
13357   \fi
13358   {\@dblarg{\@caption\@capytype}}}%
13359 }
13360
13361 \long\def\@caption##1[##2]##3{%
13362   \par
13363   \addcontentsline{\csname ext@##1\endcsname}{##1}%
13364     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
13365   \begingroup
13366     \@parboxrestore
13367     \if@minipage
13368       \setminipage
13369     \fi
13370     \normalsize
13371     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
13372   \endgroup}
13373 }{}
13374 \renewenvironment{thebibliography}[1]{%
13375   \bibsection
13376   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13377   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

## 7.8o midfloat-xetex-bidi.def

```

13378 \ProvidesFile{midfloat-xetex-bidi.def}[2016/05/10 v0.3 bidi adaptations for midfloat package for
13379 \def\RTL@outputdblcol{%
13380   \if@firstcolumn

```



```

13381 \global \@firstcolumnfalse
13382 \global\setbox\@leftcolumn\copy\@outputbox
13383 \splitmaxdepth\maxdimen
13384 \vbadness\maxdimen
13385 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13386 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13387 \toks@\expandafter{\topmark}%
13388 \xdef\@firstcoltopmark{\the\toks@}%
13389 \toks@\expandafter{\splitfirstmark}%
13390 \xdef\@firstcolfirstmark{\the\toks@}%
13391 \ifx\@firstcolfirstmark\@empty
13392 \global\let\@setmarks\relax
13393 \else
13394 \gdef\@setmarks{%
13395 \let\firstmark\@firstcolfirstmark
13396 \let\topmark\@firstcoltopmark}%
13397 \fi
13398 \global\c@colht\@colht\global\c@addvipersep\z@
13399 \ifnum\jua@sk>0
13400 \remove@strip\jua@sar
13401 \global\@colht\the\jua@pr
13402 \ifdim\right@cor>\z@
13403 \global\advance\@colht by\right@cor
13404 \fi
13405 \global\advance\@colht by\cor@height
13406 \global\cor@height=0pt
13407 \fi
13408 \global \setbox\@rightcolumn \vbox{%
13409 \else
13410 \ifdim\c@colht>\@colht
13411 \@tempdima\@colht
13412 \ifdim\@colht>\z@
13413 \global\setbox\@rightcolumn \vbox{%
13414 \unvbox\@rightcolumn
13415 \vbox to\@tempdima{%
13416 \vskip\c@addvipersep\unvbox\@outputbox}%
13417 \vskip\stripsep
13418 \vrule height\the\jua@ht width 0pt depth 0pt
13419 \vskip\stripsep
13420 }%
13421 \global\c@addvipersep\m@addvipersep
13422 \else
13423 \global\setbox\@rightcolumn \vbox{%
13424 \unvbox\@rightcolumn
13425 \vrule height\the\jua@ht width 0pt depth 0pt
13426 \vskip\stripsep
13427 }%
13428 \fi
13429 \ifnum\jua@sk>0
13430 \remove@strip\jua@sar

```



```

13431         \global\@colht\the\jua@pr
13432         \global\advance\@colht by -\ht\@rightcolumn
13433         \global\advance\@colht by\cor@height
13434         \global\cor@height=0pt
13435     \else
13436         \global\advance\c@colht by-\ht\@rightcolumn
13437         \global\@colht\c@colht
13438     \fi
13439 \else
13440 \global\@firstcolumntrue
13441 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13442     \unvbox\@rightcolumn
13443     \vskip\c@addvipersep
13444     \unvbox\@outputbox
13445     }%
13446 \setbox\@outputbox \vbox {%
13447     \hb@xt@\textwidth {%
13448         \hskip \columnwidth
13449         \hfil
13450         \vrule \@width\columnseprule
13451         \hfil
13452         \hb@xt@\columnwidth {%
13453             \box\@leftcolumn \hss}%
13454         \hskip-\textwidth
13455         \hb@xt@\columnwidth {%
13456             \box\@outputbox \hss}%
13457         \hskip\columnwidth
13458         \hskip\columnsep}%
13459     }%
13460 \@combinedblfloats
13461 \@setmarks
13462 \@outputpage
13463 \begingroup
13464     \@dblfloatplacement
13465     \@startdblcolumn
13466     \@whilesw\if@fcolmade \fi
13467     {\@outputpage
13468     \@startdblcolumn}%
13469 \endgroup
13470 \global\jua@sk=0\global\jua@sar={}%
13471 \global\cor@height\z@\global\c@addvipersep\z@
13472 \fi
13473 \fi
13474 }
13475
13476
13477 \def\LTR@outputdblcol{%
13478     \if@firstcolumn
13479         \global \@firstcolumnfalse
13480         \global\setbox\@leftcolumn\copy\@outputbox

```



```

13481 \splitmaxdepth\maxdimen
13482 \vbadness\maxdimen
13483 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13484 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13485 \toks@\expandafter{\topmark}%
13486 \xdef\@firstcoltopmark{\the\toks@}%
13487 \toks@\expandafter{\splitfirstmark}%
13488 \xdef\@firstcolfirstmark{\the\toks@}%
13489 \ifx\@firstcolfirstmark\@empty
13490 \global\let\@setmarks\relax
13491 \else
13492 \gdef\@setmarks{%
13493 \let\firstmark\@firstcolfirstmark
13494 \let\topmark\@firstcoltopmark}%
13495 \fi
13496 \global\c@colht\@colht\global\c@advvipersep\z@
13497 \ifnum\jua@sk>0
13498 \remove@strip\jua@sar
13499 \global\@colht\the\jua@pr
13500 \ifdim\right@cor>\z@
13501 \global\advance\@colht by\right@cor
13502 \fi
13503 \global\advance\@colht by\cor@height
13504 \global\cor@height=0pt
13505 \fi
13506 \global \setbox\@rightcolumn \vbox{%
13507 \else
13508 \ifdim\c@colht>\@colht
13509 \@tempdima\@colht
13510 \ifdim\@colht>\z@
13511 \global\setbox\@rightcolumn \vbox{%
13512 \unvbox\@rightcolumn
13513 \vbox to\@tempdima{%
13514 \vskip\c@advvipersep\unvbox\@outputbox}%
13515 \vskip\stripsep
13516 \vrule height\the\jua@ht width 0pt depth 0pt
13517 \vskip\stripsep
13518 }%
13519 \global\c@advvipersep\m@advvipersep
13520 \else
13521 \global\setbox\@rightcolumn \vbox{%
13522 \unvbox\@rightcolumn
13523 \vrule height\the\jua@ht width 0pt depth 0pt
13524 \vskip\stripsep
13525 }%
13526 \fi
13527 \ifnum\jua@sk>0
13528 \remove@strip\jua@sar
13529 \global\@colht\the\jua@pr
13530 \global\advance\@colht by -\ht\@rightcolumn

```



```

13531         \global\advance\@colht by\cor@height
13532         \global\cor@height=0pt
13533     \else
13534         \global\advance\c@colht by-\ht\@rightcolumn
13535         \global\@colht\c@colht
13536     \fi
13537 \else
13538     \global\@firstcolumntrue
13539     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
13540         \unvbox\@rightcolumn
13541         \vskip\c@addvipersep
13542         \unvbox\@outputbox
13543     }%
13544     \setbox\@outputbox \vbox {%
13545         \hb@xt@\textwidth {%
13546             \hb@xt@\columnwidth {%
13547                 \box\@leftcolumn \hss}%
13548             \hfil
13549             \vrule \width\columnseprule
13550             \hfil
13551             \hb@xt@\columnwidth {%
13552                 \box\@outputbox \hss}%
13553             }%
13554         }%
13555     \@combinedblfloats
13556     \@setmarks
13557     \@outputpage
13558     \beginingroup
13559         \@dblfloatplacement
13560         \@startdblcolumn
13561         \@whilesw\if@fcolmade \fi
13562         {\@outputpage
13563           \@startdblcolumn}%
13564     \endgroup
13565     \global\jua@sk=0\global\jua@sar={}%
13566     \global\cor@height\z@\global\c@addvipersep\z@
13567     \fi
13568 \fi
13569 }
13570
13571
13572 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
13573   \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v
13574     \hsize\textwidth
13575     \@parboxrestore
13576     \col@number \@ne
13577     \vrule height\topskip width0pt depth0pt
13578 }
13579
13580 \def\endstrip{%

```





```

13581 \egroup\egroup
13582 \if@firstcolumn
13583     \ifdim\pagetotal>\z@
13584         \vskip\stripsep
13585         \global\ht@strip\pagegoal
13586         \global\advance\ht@strip by-\pagetotal
13587         \global\advance\ht@strip by-\stripsep
13588         \global\advance\ht@strip by-\ht@viper
13589         \global\advance\ht@strip by-\stripsep
13590         \global\jua@ht=\ht@viper
13591     \else
13592         \global\ht@strip\z@
13593     \fi
13594     \ifdim\ht@strip>\z@
13595         \unvbox\@viper
13596         \vskip\stripsep
13597         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
13598         \global\advance\jua@sk by1
13599     \else
13600         \@latex@error{Strip needs more place!}\@ehc
13601         \if@vihproof
13602             \framebox[\columnwidth]{??? Strip ???}%
13603         \fi
13604     \fi
13605 \else
13606     \@latex@error{Strip is used only on left column!}\@ehc
13607     \if@vihproof
13608         \framebox[\columnwidth]{??? Strip ???}%
13609     \fi
13610 \fi
13611 }

```

## 7.81 minitoc-xetex-bidi.def

```

13612 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
13613 \def\@undottedtocline#1#2#3#4#5{%
13614     \ifnum #1>\c@tocdepth\relax \else
13615         \vskip \z@ plus.2\p@
13616         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
13617         \parindent #2\relax\@afterindenttrue
13618         \interlinepenalty\@M
13619         \leavevmode
13620         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}}%
13621         \hskip -\if@RTL\righskip\else\leftskip\fi
13622         #4\nobreak\hfill \nobreak
13623         \null\par}%
13624     \fi}
13625 \def\@Undottedtocline#1#2#3#4#5{%
13626     \ifnum #1>\c@tocdepth\relax \else
13627         \vskip \z@ \@plus.2\p@

```



```

13628 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg \
13629 \parindent #2\relax\@afterindenttrue
13630 \interlinepenalty\@M
13631 \leavevmode
13632 \@tempdima #3\relax
13633 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightski
13634 {\coffefont #4}\nobreak \nobreak\null
13635 \par}%
13636 \fi}
13637 \def\@Undottedtoclinep#1#2#3#4#5{%
13638 \ifnum #1>\c@tocdepth\relax \else
13639 \vskip \z@ \@plus.2\p@
13640 {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg \
13641 \parindent #2\relax\@afterindenttrue
13642 \interlinepenalty\@M
13643 \leavevmode
13644 \@tempdima #3\relax
13645 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightski
13646 {\#4}\nobreak \hfill \nobreak\null
13647 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
13648 \par}%
13649 \fi}

```

## 7.82 multicol-xetex-bidi.def

```

13650 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
13651 \def\page@sofar{%
13652 \process@cols\mult@rightbox
13653 {\ifvoid\count@
13654 \setbox\count@\hbox to\hsize}%
13655 \else
13656 \wd\count@\hsize
13657 \fi}%
13658 \count@\col@number \advance\count@\m@ne
13659 \mult@info\z@
13660 {Column spec: \the\full@width\space = indent
13661 + columns + sep =\MessageBreak
13662 \the\multicol@leftmargin\space
13663 + \the\col@number\space
13664 x \the\hsize\space
13665 + \the\count@\space
13666 x \the\columnsep
13667 }%
13668 \ifvmode\else\errmessage{Multicol Error}\fi
13669 \nointerlineskip
13670 \setbox\z@\hbox{p}\global\dimen\tw@dp\z@
13671 \moveright\multicol@leftmargin
13672 \hbox to\full@width{%
13673 \bidi@multicol@align@columns
13674 \rlap{\phantom p}%

```



```

13675 }%
13676 \prevdepth\z@
13677 \kern-\dimen\tw@
13678 \ifdim\dimen\tw@ > \mc@gridwarn
13679 \PackageWarning{multicol}%
13680 {Very deep columns!\MessageBreak
13681 Grid alignment might be broken}%
13682 \fi
13683 }
13684 \def\LTR@column@boxes{%
13685 \process@cols\mult@gfirstbox{%
13686 \ifdim\dp\count@>\dimen\tw@
13687 \global\dimen\tw@\dp\count@ \fi
13688 \mc@col@status@write
13689 \box\count@
13690 \hss{\columnseprulecolor\vrule
13691 \@width\columnseprule}\hss}%
13692 \ifdim\dp\mult@rightbox>\dimen\tw@
13693 \global\dimen\tw@\dp\mult@rightbox \fi
13694 \mc@lastcol@status@write
13695 \box\mult@rightbox
13696 }
13697
13698 \def\RTL@column@boxes{%
13699 \process@cols\mult@gfirstbox{%
13700 \hskip\hsize
13701 \hss{\columnseprulecolor\vrule
13702 \@width\columnseprule}\hss
13703 }%
13704 \hskip\hsize
13705 \process@cols\mult@gfirstbox{%
13706 \ifdim\dp\count@>\dimen\tw@
13707 \global\dimen\tw@\dp\count@ \fi
13708 \hskip-\hsize
13709 \mc@col@status@write
13710 \box\count@
13711 \hskip-\hsize
13712 \hskip-\columnsep
13713 }%
13714 \ifdim\dp\mult@rightbox>\dimen\tw@
13715 \global\dimen\tw@\dp\mult@rightbox \fi
13716 \hskip-\hsize
13717 \mc@lastcol@status@write
13718 \box\mult@rightbox
13719 \hskip-\hsize
13720 \hskip\full@width
13721 }
13722 \newcommand\RTLmulticolcolumns
13723 {\let\bidimulticol@align@columns
13724 \RTL@column@boxes}

```



```

13725 \newcommand\LTRmulticolcolumns
13726   {\let\bidicol@multicol@align@columns
13727     \LTR@column@boxes}
13728 \newcommand\bidicol@multicol@align@columns
13729   {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
13730 \def\multicols#1{\col@number#1\relax
13731   \ifnum\col@number<\tw@
13732     \PackageWarning{multicol}%
13733     {Using `\'number\col@number'
13734       columns doesn't seem a good idea.^^J
13735       I therefore use two columns instead}%
13736     \col@number\tw@ \fi
13737   \ifnum\col@number>10
13738     \PackageError{multicol}%
13739     {Too many columns}%
13740     {Current implementation doesn't
13741       support more than 10 columns.%
13742     \MessageBreak
13743     I therefore use 10 columns instead}%
13744     \col@number10 \fi
13745   \ifx\@footnotetext\mult@footnotetext\else
13746     \let\orig@footnotetext\@footnotetext
13747     \let\@footnotetext\mult@footnotetext
13748   \fi
13749   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
13750     \let\orig@LTRfootnotetext\@LTRfootnotetext
13751     \let\@LTRfootnotetext\mult@LTRfootnotetext
13752   \fi
13753   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
13754     \let\orig@RTLfootnotetext\@RTLfootnotetext
13755     \let\@RTLfootnotetext\mult@RTLfootnotetext
13756   \fi
13757   \@ifnextchar[\mult@cols{\mult@cols[]}]
13758 \long\def\mult@footnotetext#1{\begingroup
13759   \hsize\textwidth
13760   \columnwidth\textwidth
13761   \orig@footnotetext{#1}\endgroup}
13762 \long\def\mult@LTRfootnotetext#1{\begingroup
13763   \hsize\textwidth
13764   \columnwidth\textwidth
13765   \orig@LTRfootnotetext{#1}\endgroup}
13766 \long\def\mult@RTLfootnotetext#1{\begingroup
13767   \hsize\textwidth
13768   \columnwidth\textwidth
13769   \orig@RTLfootnotetext{#1}\endgroup}
13770 \def\right@footnoterule{%
13771   \kern-3\p@
13772   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
13773   \kern2.6\p@}
13774 \def\textwidth@footnoterule{\kern-3\p@

```



13775 \hrule \@width \textwidth \kern 2.6\p@}

## 7.83 multienum-xetex-bidi.def

```

13776 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package f
13777 \renewcommand{\itemx}[1]{\parbox[t]{
13778 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13779 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
13780 \renewcommand{\itemxx}[2]{\parbox[t]{
13781 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13782 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13783 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13784 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
13785 \renewcommand{\itemxxx}[3]{\parbox[t]{
13786 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13787 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13788 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13789 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{
13790 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
13791 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
13792 \renewcommand{\itemxxxx}[4]{\parbox[t]{
13793 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13794 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{
13795 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13796 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13797 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13798 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
13799 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13800 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
13801 \renewcommand{\itemxxxxx}[5]{\parbox[t]{
13802 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13803 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
13804 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13805 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
13806 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13807 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
13808 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13809 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
13810 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13811 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
13812 \renewcommand{\itemxox}[2]{\parbox[t]{
13813 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13814 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13815 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13816 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
13817 \renewcommand{\itemxox}[2]{\parbox[t]{
13818 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13819 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
13820 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13821 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}

```



```

13822 \renewcommand{\itemxox}[3]{\parbox[t]{%
13823 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13824 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
13825 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13826 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13827 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13828 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13829 \renewcommand{\itemxxox}[3]{\parbox[t]{%
13830 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13831 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13832 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13833 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
13834 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13835 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
13836 \renewcommand{\itemxxox}[3]{\parbox[t]{%
13837 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13838 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
13839 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13840 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
13841 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
13842 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 7.84 natbib-xetex-bidi.def

```

13843 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
13844 \renewenvironment{thebibliography}[1]{%
13845 \bibsection
13846 \parindent\z@
13847 \bibpreamble
13848 \bibfont
13849 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13850 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
13851 \ifNAT@openbib
13852 \renewcommand\newblock{\par}%
13853 \else
13854 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
13855 \fi
13856 \sloppy\clubpenalty4000\widowpenalty4000
13857 \sfcode`\.\@m
13858 \let\NAT@bibitem@first@sw\@firstoftwo
13859 \let\citeN\cite \let\shortcite\cite
13860 \let\citeasnoun\cite
13861 }{%
13862 \bibitem@fin
13863 \bibpostamble
13864 \def\@noitemerr{%
13865 \PackageWarning{natbib}{Empty `thebibliography' environment}%
13866 }%
13867 \endlist
13868 \bibcleanup

```



13869 }%

## 7.85 newfloat-xetex-bidi.def

```
13870 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
13871 \renewcommand*{newfloat@setwithin}[2]{%
13872   \ifcsname c@chapter\endcsname
13873     \@removefromreset{#1}{chapter}%
13874   \fi
13875   \@removefromreset{#1}{section}%
13876   \edef\@tempa{#2}%
13877   \ifx\@tempa\@empty
13878     \def\@tempa{none}%
13879   \fi
13880   \def\@tempb{none}%
13881   \ifx\@tempa\@tempb
13882     \ifcsname c@chapter\endcsname
13883       \@chapterlistsgap@off{#1}%
13884     \fi
13885     \newfloat@@setwithin{#1}{}{}%
13886   \else
13887     \def\@tempb{chapter}%
13888     \ifx\@tempa\@tempb
13889       \@addtoreset{#1}{chapter}%
13890       \@chapterlistsgap@on{#1}%
13891       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
13892     \else
13893       \def\@tempb{section}%
13894       \ifx\@tempa\@tempb
13895         \@addtoreset{#1}{section}%
13896         \ifcsname c@chapter\endcsname
13897           \@addtoreset{#1}{chapter}%
13898           \@chapterlistsgap@on{#1}%
13899         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
13900       \else
13901         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
13902       \fi
13903     \else
13904       \newfloat@Error{Invalid value `#2' for option `within'}%
13905     \fi
13906   \fi
13907 \fi}
```

## 7.86 ntheorem-xetex-bidi.def

```
13908 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
13909 \gdef\@thm#1#2#3{%
13910   \if@thmmarks
13911     \stepcounter{end\InTheoType ctr}%
13912   \fi
13913   \renewcommand{\InTheoType}{#1}%
```



```

13914 \if@thmmarks
13915     \stepcounter{curr#1ctr}%
13916     \setcounter{end#1ctr}{0}%
13917 \fi
13918 \refstepcounter{#2}%
13919 \theorem@prework
13920 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
13921 \ifvmode \advance\thm@topsepadd\partopsep\fi
13922 \trivlist
13923 \@topsep \theorempreskipamount
13924 \@topsepadd \thm@topsepadd % used by \endparenv
13925 \advance\linewidth -\theorem@indent
13926 \advance\@totalleftmargin \theorem@indent
13927 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13928 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 7.87 ntheorem-hyper-xetex-bidi.def

```

13929 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
13930 \gdef\@thm#1#2#3{%
13931     \if@thmmarks
13932         \stepcounter{end\InTheoType ctr}%
13933     \fi
13934     \renewcommand{\InTheoType}{#1}%
13935     \if@thmmarks
13936         \stepcounter{curr#1ctr}%
13937         \setcounter{end#1ctr}{0}%
13938     \fi
13939     \refstepcounter{#2}%
13940     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
13941     \ifvmode \advance\thm@topsepadd\partopsep\fi
13942     \trivlist
13943     \@topsep \theorempreskipamount
13944     \@topsepadd \thm@topsepadd % used by \@endparenv
13945     \advance\linewidth -\theorem@indent
13946     \advance\@totalleftmargin \theorem@indent
13947     \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
13948     \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 7.88 overpic-xetex-bidi.def

```

13949 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for XeLaTeX]
13950 \renewenvironment{overpic}[2] [] {%
13951     \sbox{\z@}{\includegraphics[#1]{#2}}%
13952     \settodepth{\@tempcnta}{\usebox{\z@}}%
13953     \settoheight{\@tempcntb}{\usebox{\z@}}%
13954     \advance\@tempcntb\@tempcnta%
13955     \settoheight{\@tempcnta}{\usebox{\z@}}%
13956     \setlength{\@tempdima}{\unitlength}%
13957     \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
13958 %

```





```

13959 \OVP@calc%
13960 %
13961 \begin{picture}(\@tempcnta,\@tempcntb)%
13962 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
13963 \ifGin@grid%
13964 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13965 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13966 \fi\fi%
13967 % reset the graphics parameter
13968 \let\Gin@outer@scalex\relax
13969 \let\Gin@outer@scaley\relax
13970 \let\Gin@angle\relax
13971 \let\Gin@ewidth\Gin@exclamation
13972 \let\Gin@eheight\Gin@ewidth
13973 \def\Gin@scalex{1}
13974 \let\Gin@scaley\Gin@exclamation
13975 }{%
13976 \if@RTL\ifGin@grid%
13977 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
13978 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
13979 \fi%
13980 \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
13981 \end{picture}%
13982 }%

```

## 7.89 pdfpages-xetex-bidi.def

```

13983 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
13984 \renewcommand*{\includepdf}[2][{}]{%
13985 \begingroup
13986 \@RTLfalse
13987 \let\AM@threadname\relax
13988 \AM@split@options{pdfpages}{#1}%
13989 \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
13990 \expandafter\setkeys\AM@temp
13991 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
13992 \let\AM@currentdocname\relax
13993 \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
13994 \def\AM@pagecount{0}%
13995 }{%
13996 \AM@findfile{#2}%
13997 \if\AM@threadname\relax
13998 \def\AM@threadname{\AM@currentdocname}%
13999 \fi
14000 }%
14001 \ifAM@survey
14002 \def\AM@pagetemp{}%
14003 \@tempcnta=0
14004 \def\foo{%
14005 \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%

```



```

14006         {\let\foo\relax}
14007         {\expandafter\ifx\expandafter\\AM@pagestemp\\
14008           \edef\AM@pagestemp{%
14009             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
14010         \else
14011           \edef\AM@pagestemp{\AM@pagestemp,%
14012             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
14013         \fi
14014         \advance\@tempcnta 1\relax
14015       }%
14016     \foo
14017   }%
14018   \foo
14019   \expandafter\ifx\expandafter\\AM@pagestemp\\
14020     \def\AM@pagestemp{1}%
14021   \fi
14022 \fi
14023 \ifAM@output
14024   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14025   \AM@output{#1}%
14026 \fi
14027 \AM@CheckAtEnd
14028 \endgroup
14029 \AM@ClearShipoutPicture
14030 }

```

## 7.90 pgfcorescopes.code-xetex-bidi.def

```

14031 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
14032 \def\pgfpicture{%
14033   \begingroup%
14034   \ifmmode\else\@RTLfalse\beginL\fi%
14035   \pgfpicturetrue%
14036   \global\advance\pgf@picture@serial@count by1\relax%
14037   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
14038   \let\pgf@nodecallback=\pgfutil@gobble%
14039   \pgf@picmaxx=-16000pt\relax%
14040   \pgf@picminx=16000pt\relax%
14041   \pgf@picmaxy=-16000pt\relax%
14042   \pgf@picminy=16000pt\relax%
14043   \pgf@relevantforpicturesizetrue%
14044   \pgf@resetpathsizes%
14045   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14046 \def\endpgfpicture{%
14047   \ifpgfrememberpicturepositiononpage%
14048     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14049   \fi%
14050   % ok, now let's position the box
14051   \ifdim\pgf@picmaxx=-16000pt\relax%
14052     % empty picture. make size 0.

```



```

14053         \global\pgf@picmaxx=0pt\relax%
14054         \global\pgf@picminx=0pt\relax%
14055         \global\pgf@picmaxy=0pt\relax%
14056         \global\pgf@picminy=0pt\relax%
14057     \fi%
14058     % Shift baseline outside:
14059     \pgf@relevantforpicturesizefalse%
14060     \pgf@process{\pgf@baseline}%
14061     \xdef\pgf@shift@baseline{\the\pgf@y}%
14062     %
14063     \pgf@process{\pgf@trimleft}%
14064     \global\advance\pgf@x by-\pgf@picminx
14065     % prepare \hskip\pgf@trimleft@final.
14066     % note that \pgf@trimleft@final is also queried
14067     % by the pgf image externalization.
14068     \xdef\pgf@trimleft@final{-\the\pgf@x}%
14069     %
14070     \pgf@process{\pgf@trimright}%
14071     \global\advance\pgf@x by-\pgf@picmaxx
14072     % prepare \hskip\pgf@trimright@final.
14073     % note that \pgf@trimright@final is also queried
14074     % by the pgf image externalization.
14075     \xdef\pgf@trimright@final{\the\pgf@x}%
14076     %
14077     \pgf@remember@layerlist@globally
14078     \endgroup%
14079     \hss%
14080     \egroup%
14081     \pgf@restore@layerlist@from@global
14082     \pgf@insertlayers%
14083     \endgroup%
14084     \pgfsys@discardpath%
14085     \endgroup%
14086     \pgfsys@endscope%
14087     \pgfsys@endpicture%
14088     \endgroup%
14089     \hss
14090 \egroup%
14091 \pgfsys@typesetpicturebox\pgfpic%
14092 \ifmode\else\endL\fi%
14093 \endgroup%
14094 }

```

## 7.91 picinpar-xetex-bidi.def

```

14095 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
14096 \long\def\@makewincaption#1#2{%
14097     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
14098     \ifdim\wd\@tempboxa>\picwd
14099         {\footnotesize{\bf #1:\enspace}{#2\par}}

```



```

14100 \else
14101 \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
14102 \fi}
14103 \def\endwindow{%
14104 \global\tcd=\tcdsav
14105 \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
14106 \vbadness=10000
14107 \splittopskip=0pt
14108 %
14109 % Typeset the lines above the window
14110 %
14111 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
14112 \tcn=\tcd
14113 \loop\advance\tcn -1
14114 \setbox\fslice=\vsplit\holder to\baselineskip
14115 \prune\fslice\linewidth
14116 \topheight=0pt
14117 \ifnum\dp\fslice>\dp\wstrutbox
14118 \advance\topheight-\dp\fslice
14119 \advance\topheight\dp\wstrutbox
14120 \advance\topheight\ilg\fi
14121 \hbox to\linewidth{\box\fslice}
14122 \vskip-\topheight
14123 \ifdim\ht\holder>0pt\repeat
14124 \fi
14125 %
14126 % Now we build the boxes beside the window
14127 %
14128 \global\topheight=\tcl\baselineskip
14129 \ifnum\cumpartcl>0\global\tcl=\cumtcl
14130 \global\topheight=\vpic
14131 \fi
14132 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
14133 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
14134 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
14135 \tcn=\tcl \na=0 \nb=0
14136 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
14137 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
14138 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
14139 \ifnum\na=0\ifnum\nb=0
14140 \setbox\waslice=\vbox to\vpic{\vss}
14141 \setbox\wbslice=\vbox to\vpic{\vss}
14142 \bl=1\br=1
14143 \vskip\ilg
14144 \fi\fi
14145 %
14146 % both sides
14147 %
14148 \ifnum\na>0 \ifnum\nb>0
14149 \loop\advance\nb -1

```



```

14150 \advance\na -1
14151 \if@RTL%
14152 \setbox\bslice=\vsplit\holder to\baselineskip
14153 \prune\bslice\rtside
14154 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14155 to\rtside{\box\bslice\hfil}}
14156 \setbox\aslice=\vsplit\holder to\baselineskip
14157 \prune\aslice\lftside
14158 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14159 to\lftside{\box\aslice\hfil}}
14160 \else%
14161 \setbox\aslice=\vsplit\holder to\baselineskip
14162 \prune\aslice\lftside
14163 \setbox\waslice=\vbox{\unvbox\waslice\hbox
14164 to\lftside{\box\aslice\hfil}}
14165 \setbox\bslice=\vsplit\holder to\baselineskip
14166 \prune\bslice\rtside
14167 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14168 to\rtside{\box\bslice\hfil}}
14169 \fi%
14170 \ifnum\nb>0\repeat
14171 \fi\fi
14172 %
14173 % only text on the left side
14174 %
14175 \ifnum\na>0
14176     \loop\advance\na -1
14177     \setbox\aslice=\vsplit\holder to\baselineskip
14178     \prune\aslice\lftside
14179     \setbox\waslice=\vbox{\unvbox\waslice\hbox
14180 to\lftside{\box\aslice\hfil}}
14181     \ifdim\ht\holder>0pt\repeat
14182 \fi
14183 %
14184 % only text on the right side
14185 %
14186 \ifnum\nb>0
14187     \loop\advance\nb -1
14188     \setbox\bslice=\vsplit\holder to\baselineskip
14189     \prune\bslice\rtside
14190     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
14191 to\rtside{\box\bslice\hfil}}
14192     \ifdim\ht\holder>0pt\repeat
14193 \fi
14194 %
14195 % fixing the dimensions of the window part
14196 %
14197 \ifnum\bl=0\topheight=\ht\wbslice
14198 \else\ifnum\br=0\topheight=\ht\waslice
14199     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice

```



```

14200         \else\topheight=\ht\wbslice\fi\fi\fi
14201 %
14202 % ship out the window material to the main vertical list
14203 %
14204 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
14205 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
14206 \fi\fi\fi
14207 \setbox>windowbox=\vbox{\hbox to\linewidth{%
14208 \ifnum\bl>0\box\waslice\hfill\fi%
14209 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
14210 \vfill\unvbox\picbox%
14211 \ifnum\picwd>0\vfill\fi%
14212 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
14213 \unvbox>windowbox%
14214 \loop
14215 \setbox\bslice=\vsplit\rawtext to\baselineskip
14216 \prune\bslice\linewidth
14217 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
14218 \unvbox\wbslice
14219 \ifdim\ht\rawtext>0pt
14220 \repeat
14221 }% FINITO

```

## 7.92 plain-xetex-bidi.def

```

14222 \def\TeXeTOn{\TeXeTstate=1 }
14223 \def\TeXeTOff{\TeXeTstate=0 }
14224 \TeXeTOn
14225 \def\usebox#1{\leavevmode\copy #1\relax}
14226 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox{
14227 \let\bidi@o@everypar=\everypar
14228 \newtoks\bidi@n@everypar
14229 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
14230 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
14231 \let\everypar=\bidi@n@everypar
14232 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
14233 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
14234 \protected\def\hboxR{\hbox\bgroup
14235 \everyhbox{%
14236 \aftergroup\egroup
14237 \everyhbox{}}%
14238 \beginR
14239 \bgroup
14240 \aftergroup\endR
14241 \aftergroup\egroup
14242 }\hbox}
14243 \protected\def\hboxL{\hbox\bgroup
14244 \everyhbox{%
14245 \aftergroup\egroup
14246 \everyhbox{}}%

```



```

14247 \beginL
14248 \bgroup
14249 \aftergroup\endL
14250 \aftergroup\egroup
14251 }\hbox}
14252 \protected\def\ vboxR{\ vbox\bgroup
14253 \everyvbox{%
14254 \aftergroup\egroup
14255 \everyvbox{}}%
14256 \@RTLtrue
14257 \bgroup
14258 \aftergroup\egroup
14259 }\vbox}
14260 \protected\def\ vboxL{\ vbox\bgroup
14261 \everyvbox{%
14262 \aftergroup\egroup
14263 \everyvbox{}}%
14264 \@RTLfalse
14265 \bgroup
14266 \aftergroup\egroup
14267 }\vbox}
14268 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
14269 \def\endLTR{\par}
14270 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
14271 \def\endRTL{\par}
14272 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
14273 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
14274 \let\unsetRTL=\setLTR
14275 \let\unsetLTR=\setRTL
14276 \let\LR=\LRE
14277 \let\RL=\RLE
14278 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
14279 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
14280 \let\@ensure@RL=\@ensure@RTL
14281 \let\@ensure@LR=\@ensure@LTR
14282 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
14283 \let\@ensure@maindir=\@ensure@dir
14284 \def\@RTL{RTL}
14285 \def\@LTR{LTR}
14286 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
14287 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
14288 \let\@TeX\TeX
14289 \def\TeX{\@ensure@LTR{\@TeX}}
14290 \long\def\ bidi@reflect@box#1{%
14291 \leavevmode
14292 \setbox\z@\hbox{{#1}}%
14293 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
14294 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
14295 }
14296 \def\XeTeX\LR{\leavevmode$\smash{\hbox{X\lower.5ex

```



```

14297 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
14298 \let\setRL=\setRTL
14299 \let\setLR=\setLTR
14300 \let\unsetRL=\setLTR
14301 \let\bidisaved@eqno=\eqno
14302 \let\bidisaved@leqno=\leqno
14303 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
14304 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
14305 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14306 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
14307 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

### 7.93 pstricks-xetex-bidi.def

```

14308 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package for
14309 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
14310 \def\endpspicture{%
14311 \ifshowgrid\ifnum\showgridp@s>0
14312 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
14313 \pst@killglue
14314 % \global\pst@shift=\pst@shift% in fact of the following endgroup
14315 \endgroup
14316 \egroup
14317 \ifdim\wd\pst@hbox=\z@\else
14318 %\@pstrickserr{Extraneous space in the pspicture environment}%
14319 %\Type \space <return> \space to proceed.}%
14320 \fi
14321 \ht\pst@hbox=\pst@dimd
14322 \dp\pst@hbox=-\pst@dimb
14323 \setbox\pst@hbox=\hbox{%
14324 \kern-\pst@dimd
14325 % Orig version -----
14326 %\ifx\pst@tempa\@empty\else
14327 %\advance\pst@dimd-\pst@dimb
14328 %\pst@dimd=\pst@tempa\pst@dimd
14329 %\advance\pst@dimd\pst@dimb
14330 %\lower\pst@dimd
14331 %\fi
14332 %----- end Orig
14333 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
14334 \advance\pst@dimd-\pst@dimb
14335 \pst@dimd=0.5\pst@dimd
14336 \else\pst@dimd-\pst@shift\fi
14337 \advance\pst@dimd\pst@dimb
14338 \lower\pst@dimd
14339 \box\pst@hbox
14340 \kern\pst@dimc}%
14341 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
14342 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
14343 \fboxsep=0pt

```





```

14344 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
14345 \ifmmode\else\endL\fi
14346 \endgroup%
14347 \psset[pstricks]{shift=0}% reset value
14348 }

```

## 7.94 quotchap-xetex-bidi.def

```

14349 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
14350 \renewcommand{\qauthor}[1]{%
14351   \par\smallskip
14352   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
14353 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
14354   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
14355     {\chapnumfont
14356       \ifnum \c@secnumdepth >\m@ne%
14357       \if@mainmatter\thechapter%
14358       \fi\fi
14359       \par\nobreak}%
14360     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em}
14361     \nobreak\chapterheadendvskip}}
14362 \renewcommand*{\@iprintcites}{%
14363   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
14364   \global\let\@printcites\relax}

```

## 7.95 ragged2e-xetex-bidi.def

```

14365 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
14366 \renewcommand{\Centering}{%
14367   \ifx\\ \@raggedtwoe@savedcr
14368     \let\\ \@centercr
14369   \fi
14370   \let\@gnewline\@raggedtwoe@gnewline
14371   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
14372   \@rightskip\CenteringRightskip
14373   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14374   \parfillskip\CenteringParfillskip
14375   \parindent\CenteringParindent
14376   \@raggedtwoe@spaceskiptrue
14377   \@raggedtwoe@everyselectfont
14378 }
14379 \renewcommand{\RaggedLeft}{%
14380   \ifx\\ \@raggedtwoe@savedcr
14381     \let\\ \@centercr
14382   \fi
14383   \let\@gnewline\@raggedtwoe@gnewline
14384   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
14385   \@rightskip\RaggedLeftRightskip
14386   \if@RTL\leftskip\else\rightskip\fi\@rightskip
14387   \parfillskip\RaggedLeftParfillskip
14388   \parindent\RaggedLeftParindent

```



```

14389 \@raggedtwo@spaceskiptrue
14390 \@raggedtwo@everyselectfont
14391 }
14392 \renewcommand{\RaggedRight}{%
14393 \ifx\\@raggedtwo@savedcr
14394 \let\\@centercr
14395 \fi
14396 \let\@newline\@raggedtwo@gnewline
14397 \ifRTL\rightright\else\leftskip\fi\RaggedRightLeftskip
14398 \@rightskip\RaggedRightRightskip
14399 \ifRTL\leftskip\else\rightskip\fi\@rightskip
14400 \parfillskip\RaggedRightParfillskip
14401 \parindent\RaggedRightParindent
14402 \@raggedtwo@spaceskiptrue
14403 \@raggedtwo@everyselectfont
14404 }
14405 \renewcommand{\justifying}{%
14406 \let\\@raggedtwo@savedcr
14407 \let\@newline\@raggedtwo@saved@gnewline
14408 \ifRTL\rightright\else\leftskip\fi\z@
14409 \@rightskip\z@
14410 \ifRTL\leftskip\else\rightskip\fi\@rightskip
14411 \parfillskip\JustifyingParfillskip
14412 \parindent\JustifyingParindent
14413 \@raggedtwo@spaceskipfalse
14414 \@raggedtwo@everyselectfont
14415 }
14416 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{%
14417 \CheckCommand*{\@arrayparboxrestore}{%
14418 \let\if@nbreak\iffalse
14419 \let\if@noskipsec\iffalse
14420 \let\par\@par
14421 \let\-\@dischph
14422 \let'\@acci\let\`@accii\let\=\@acciii
14423 \parindent\z@ \parskip\z@skip
14424 \everypar{}%
14425 \linewidth\hsize
14426 \@totalleftmargin\z@
14427 \ifRTL\rightright\else\leftskip\fi\z@skip \ifRTL\leftskip\else\rightskip\fi\z@skip \@right
14428 \parfillskip\@flushglue \lineskip\normallineskip
14429 \baselineskip\normalbaselineskip
14430 \sloppy}%
14431 \renewcommand{\@arrayparboxrestore}{%
14432 \let\if@nbreak\iffalse
14433 \let\if@noskipsec\iffalse
14434 \let\par\@par
14435 \let\-\@dischph
14436 \let'\@acci\let\`@accii\let\=\@acciii
14437 \parskip\z@skip
14438 \everypar{}%

```



```

14439 \linewidth\hsize
14440 \@totalleftmargin\z@
14441 \RaggedRight
14442 \lineskip\normallineskip
14443 \baselineskip\normalbaselineskip
14444 \sloppy}%
14445 \let\@raggedtwoe@raggedrightboxes@opt\relax
14446 }
14447 \let\origin@RaggedLeft=\RaggedLeft
14448 \let\origin@RaggedRight=\RaggedRight
14449 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
14450 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 7.96 rapport1-xetex-bidi.def

```

14451 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
14452 \renewenvironment{theindex}{%
14453 \if@twocolumn
14454 \@restonecolfalse
14455 \else
14456 \@restonecoltrue
14457 \fi
14458 \columnseprule \z@
14459 \columnsep 35\p@
14460 \twocolumn[\@makeschapterhead{\indexname}]{%
14461 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14462 \thispagestyle{plain}\parindent\z@
14463 \parskip\z@ \@plus .3\p@\relax
14464 \let\item\@idxitem
14465 }{%
14466 \if@restonecol\onecolumn\else\clearpage\fi}
14467 \renewcommand*{\head@style}{%
14468 \interlinepenalty \@M
14469 \hyphenpenalty=\@M \exhyphenpenalty=\@M
14470 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14471 \if@titlepage
14472 \renewenvironment{abstract}{%
14473 \titlepage
14474 \null\vfil
14475 \section*{\SectFont\abstractname}%
14476 \noindent\ignorespaces}
14477 {\par\vfil\null\endtitlepage}
14478 \else
14479 \renewenvironment{abstract}{%
14480 \if@twocolumn
14481 \section*{\abstractname}%
14482 \else
14483 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
14484 \section*{\small\SectFont\abstractname}%
14485 \noindent\ignorespaces

```



```

14486     \fi}
14487     {\if@twocolumn\else\par\egroup\fi}
14488 \fi
14489 \renewcommand*\@regtocline[3]{%
14490   \ifnum #1>\c@tocdepth
14491   \else
14492     \vskip\z@ \@plus.2\p@
14493     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14494      \if@RTL\rightskip\else\leftskip\fi\unitindent
14495      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
14496      \parfillskip\z@
14497      \@tempdima\unitindent
14498      \parindent\z@
14499      \leavevmode
14500      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
14501      \hskip 1em \nobreak{\slshape #3}\par
14502    }%
14503   \fi}
14504 \if@oldtoc
14505 \renewcommand*\l@part[2]{%
14506   \ifnum \c@tocdepth >-2\relax
14507     \addpenalty{-\@highpenalty}%
14508     \addvspace{2.25em \@plus\p@}%
14509     \begingroup
14510       \setlength\@tempdima{3em}%
14511       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14512       \parfillskip -\@pnumwidth
14513       {\leavevmode
14514        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14515        \nobreak
14516        \global\@nobreaktrue
14517        \everypar{\global\@nobreakfalse\everypar{}}%
14518      \endgroup
14519     \fi}
14520 \else
14521 \renewcommand*\l@part{%
14522   \ifnum \c@tocdepth >-2\relax
14523     \addpenalty{-\@highpenalty}%
14524     \addvspace{2.25em \@plus \p@}%
14525     \@regtocline{0}%
14526   \fi}
14527 \fi
14528 \if@oldtoc
14529 \renewcommand*\l@chapter[2]{%
14530   \addpenalty{-\@highpenalty}%
14531   \vskip 1.0em \@plus\p@
14532   \setlength\@tempdima{1.5em}%
14533   \begingroup
14534   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14535   \parfillskip -\@pnumwidth

```



```

14536 \leavevmode \bfseries
14537 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14538 \hskip -\if@RTL\rightskip\else\leftskip\fi
14539 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14540 \penalty\@highpenalty
14541 \endgroup}
14542 \else
14543 \renewcommand*\l@chapter{\@regtocline{0}}
14544 \fi
14545 \renewcommand*\left@footnoterule{%
14546 \kern-3\p@
14547 \kern.5\baselineskip
14548 \hrule\@width\unitindent
14549 \kern.4\baselineskip
14550 }
14551 \renewcommand*\right@footnoterule{%
14552 \kern-3\p@
14553 \kern.5\baselineskip
14554 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14555 \kern.4\baselineskip}
14556 \renewenvironment{thebibliography}[1]
14557 { \chapter*{\bibname}%
14558 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14559 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14560 \list{\@biblabel{\@arabic\c@enumiv}}%
14561 {\settowidth\labelwidth{\@biblabel{#1}}%
14562 \leftmargin\labelwidth
14563 \advance\leftmargin\labelsep
14564 \@openbib@code
14565 \usecounter{enumiv}%
14566 \let\p@enumiv\@empty
14567 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14568 \sloppy\clubpenalty4000\widowpenalty4000%
14569 \sfcode`. \m}
14570 {\def\@noitemerr
14571 {\@latex@warning{Empty `thebibliography' environment}}}%
14572 \endlist}
14573 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14574 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14575 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14576 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14577 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14578 \renewcommand*\theequation{%
14579 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14580 \renewcommand*\thefigure{%
14581 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14582 \renewcommand*\thetable{%
14583 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14584 \if@titlepage
14585 \renewcommand*\TitleFont{\rmfamily}

```



```

14586 \renewcommand*\maketitle{%
14587   \begin{titlepage}%
14588     \let\footnotesize\small
14589     \let\right@footnoterule\relax
14590     \let\left@footnoterule\relax
14591     \let\textwidth@footnoterule\relax
14592     \let \footnote \thanks
14593     \long\def\@makefnmark##1{\parindent\z@
14594       \def\labelitemi{\textendash}\@revlabeltrue
14595       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14596     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14597     \if@compatibility\setcounter{page}{0}\fi
14598     \null\vfil
14599     \vskip 60\p@
14600     \begin{center}%
14601       \TitleFont
14602       {\LARGE \def\{\}\penalty -\@M}
14603       \if@allcaps
14604         \expandafter\uc@nothanks\@title\thanks\relax
14605       \else
14606         \@title
14607       \fi\par}%
14608     \vskip 3em%
14609     {\large
14610     \lineskip .75em \parindent\z@
14611     \begin{tabular}[t]{c}%
14612       \if@allcaps
14613         \expandafter\uc@author\@author\and\relax
14614       \else
14615         \@author
14616       \fi
14617     \end{tabular}\par}%
14618     \vskip 1.5em%
14619     {\large
14620     \if@allcaps
14621       \uppercase\expandafter{\@date}%
14622     \else
14623       \@date
14624     \fi\par}%
14625     \end{center}\par
14626     \@thanks
14627     \vfil\null
14628   \end{titlepage}%
14629   \setcounter{footnote}{0}%
14630   \global\let\thanks\relax
14631   \global\let\maketitle\relax
14632   \global\let\@thanks\@empty
14633   \global\let\@author\@empty
14634   \global\let\@title\@empty
14635   \global\let\@date\@empty

```



```

14636 \global\let\title\relax
14637 \global\let\author\relax
14638 \global\let\date\relax
14639 \global\let\and\relax
14640 }
14641 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
14642 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14643 \futurelet\@tempa\uc@ax}
14644 \def\uc@ax{%
14645 \ifx\@tempa\relax
14646 \else
14647 \\\andname \\\expandafter\uc@authornothanks
14648 \fi}
14649 \def\uc@tx{\ifx\@tempa\relax
14650 \else \expandafter\uc@ty \fi}
14651 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14652 \else
14653 \renewcommand*\maketitle{\par
14654 \begingroup
14655 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14656 \def\@makefnmark{\rlap{%
14657 \textsuperscript{\normalfont\@thefnmark}}}%
14658 \long\def\@makefntext{\@xmakefntext{%
14659 \textsuperscript{\normalfont\@thefnmark}}}%
14660 \if@twocolumn
14661 \ifnum \col@number=\@ne
14662 \@maketitle
14663 \else
14664 \twocolumn[\@maketitle]%
14665 \fi
14666 \else
14667 \newpage
14668 \global\@topnum\z@
14669 \@maketitle
14670 \fi
14671 \thispagestyle{plain}\@thanks
14672 \endgroup
14673 \setcounter{footnote}{0}%
14674 \global\let\thanks\relax
14675 \global\let\maketitle\relax
14676 \global\let\@maketitle\relax
14677 \global\let\@thanks\@empty
14678 \global\let\@author\@empty
14679 \global\let\@title\@empty
14680 \global\let\@date\@empty
14681 \global\let\title\relax
14682 \global\let\author\relax
14683 \global\let\date\relax
14684 \global\let\and\relax
14685 }

```



```

14686 \def\@maketitle{%
14687   \newpage
14688   \null
14689   \vskip 2em%
14690   \begin{center}%
14691     \let \footnote \thanks
14692     {\LARGE \TitleFont \@title \par}%
14693     \vskip 1.5em%
14694     {\large \TitleFont
14695       \lineskip .5em%
14696       \begin{tabular}[t]{c}%
14697         \@author
14698         \end{tabular}\par}%
14699     \vskip 1em%
14700     {\large \TitleFont \@date}%
14701   \end{center}%
14702   \par
14703   \vskip 1.5em}
14704 \fi

```

## 7.97 rapport3-xetex-bidi.def

```

14705 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
14706 \renewenvironment{theindex}{%
14707   \if@twocolumn
14708     \@restonecolfalse
14709   \else
14710     \@restonecoltrue
14711   \fi
14712   \columnseprule \z@
14713   \columnsep 35\p@
14714   \twocolumn[\@makeschapterhead{\indexname}]{%
14715     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
14716   \thispagestyle{plain}\parindent\z@
14717   \parskip\z@ \@plus .3\p@\relax
14718   \let\item\@idxitem
14719   }{%
14720   \if@restonecol\onecolumn\else\clearpage\fi}
14721 \if@titlepage
14722 \renewcommand*\TitleFont{\rmfamily}
14723 \renewcommand*\maketitle{%
14724   \begin{titlepage}%
14725     \let\footnotesize\small
14726     \let\right@footnoterule\relax
14727     \let\left@footnoterule\relax
14728     \let\textwidth@footnoterule\relax
14729     \let \footnote \thanks
14730     \let \LTRfootnote \LTRthanks
14731     \let \RTLfootnote \RTLthanks
14732     \long\def\@makefnctext##1{\parindent\z@

```





```

14733         \def\labelitemi{\textendash}\@revlabeltrue
14734         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
14735     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14736     \if@compatibility\setcounter{page}{0}\fi
14737     \null\vfil
14738     \vskip 60\p@
14739     \begin{center}%
14740         \TitleFont
14741         {\LARGE \def\\{\penalty -\@M}
14742         \if@allcaps
14743             \expandafter\uc@nothanks\@title\thanks\relax
14744         \else
14745             \@title
14746         \fi\par}%
14747     \vskip 3em%
14748     {\large
14749     \lineskip .75em \parindent\z@
14750     \begin{tabular}[t]{c}%
14751         \if@allcaps
14752             \expandafter\uc@authornothanks\@author\and\relax
14753         \else
14754             \@author
14755         \fi
14756     \end{tabular}\par}%
14757     \vskip 1.5em%
14758     {\large
14759     \if@allcaps
14760         \uppercase\expandafter{\@date}%
14761     \else
14762         \@date
14763     \fi\par}%
14764     \end{center}\par
14765     \@thanks
14766     \vfil\null
14767 \end{titlepage}%
14768 \setcounter{footnote}{0}%
14769 \global\let\thanks\relax
14770 \global\let\LTRthanks\relax
14771 \global\let\RTLthanks\relax
14772 \global\let\maketitle\relax
14773 \global\let\@thanks\@empty
14774 \global\let\@author\@empty
14775 \global\let\@title\@empty
14776 \global\let\@date\@empty
14777 \global\let\title\relax
14778 \global\let\author\relax
14779 \global\let\date\relax
14780 \global\let\and\relax
14781 }
14782 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```



```

14783 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
14784     \futurelet\@tempa\uc@ax}
14785 \def\uc@ax{%
14786     \ifx\@tempa\relax
14787     \else
14788         \\\andname \\\expandafter\uc@authornothanks
14789     \fi}
14790 \def\uc@tx{\ifx\@tempa\relax
14791     \else \expandafter\uc@ty \fi}
14792 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
14793 \else
14794 \renewcommand*\maketitle{\par
14795     \begingroup
14796     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14797     \def\@makefnmark{\rlap{%
14798         \@textsuperscript{\normalfont\@thefnmark}}}%
14799     \long\def\@makefntext{\@xmakefntext{%
14800         \@textsuperscript{\normalfont\@thefnmark}}}%
14801     \if@twocolumn
14802         \ifnum \col@number=\@ne
14803             \@maketitle
14804         \else
14805             \twocolumn[\@maketitle]%
14806         \fi
14807     \else
14808         \newpage
14809         \global\@topnum\z@
14810         \@maketitle
14811     \fi
14812     \thispagestyle{plain}\@thanks
14813 \endgroup
14814 \setcounter{footnote}{0}%
14815 \global\let\thanks\relax
14816 \global\let\LTRthanks\relax
14817 \global\let\RTLthanks\relax
14818 \global\let\maketitle\relax
14819 \global\let\@maketitle\relax
14820 \global\let\@thanks\@empty
14821 \global\let\@author\@empty
14822 \global\let\@title\@empty
14823 \global\let\@date\@empty
14824 \global\let\title\relax
14825 \global\let\author\relax
14826 \global\let\date\relax
14827 \global\let\and\relax
14828 }
14829 \def\@maketitle{%
14830     \newpage
14831     \null
14832     \vskip 2em%

```



```

14833 \if@titlecentered
14834   \begin{center}%
14835     \let \footnote \thanks
14836     \let \LTRfootnote \LTRthanks
14837     \let \RTLfootnote \RTLthanks
14838     {\LARGE \TitleFont \@title \par}%
14839     \vskip 1.5em%
14840     {\large \TitleFont
14841       \lineskip .5em%
14842       \begin{tabular}[t]{c}%
14843         \@author
14844       \end{tabular}\par}%
14845     \vskip 1em%
14846     {\large \TitleFont \@date}%
14847   \end{center}%
14848   \else
14849     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
14850     {\large \TitleFont \lineskip .5em \tabcolsep\z@
14851       \def\and{%% \begin{tabular} has already started
14852         \end{tabular}\hskip 1em plus .17fil
14853         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
14854         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
14855       \vskip 1em {\large \TitleFont \@date}
14856   \fi
14857   \par
14858   \vskip 1.5em}
14859 \fi
14860 \renewcommand*\@regtocline[3]{%
14861   \ifnum #1>\c@tocdepth
14862   \else
14863     \vskip\z@\@plus.2\p@
14864     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
14865       \if@RTL\righskip\else\leftskip\fi\unitindent
14866       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
14867       \parfillskip\z@
14868       \@tempdima\unitindent
14869       \parindent\z@
14870       \leavevmode
14871       \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
14872       \hskip 1em \nobreak{\slshape #3}\par
14873     }%
14874   \fi}
14875 \if@oldtoc
14876 \renewcommand*\l@part[2]{%
14877   \ifnum \c@tocdepth >-2\relax
14878     \addpenalty{-\@highpenalty}%
14879     \addvspace{2.25em \@plus\p@}%
14880     \begingroup
14881       \setlength\@tempdima{3em}%
14882       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth

```



```

14883     \parfillskip -\@pnumwidth
14884     {\leavevmode
14885       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14886       \nobreak
14887       \global\@nobreaktrue
14888       \everypar{\global\@nobreakfalse\everypar{}}%
14889     \endgroup
14890   \fi}
14891 \else
14892   \renewcommand*\l@part{%
14893     \ifnum \c@tocdepth >-2\relax
14894       \addpenalty{-\@highpenalty}%
14895       \addvspace{2.25em \@plus \p@}%
14896       \@regtocline{0}%
14897     \fi}
14898 \fi
14899 \if@oldtoc
14900 \renewcommand*\l@chapter[2]{%
14901   \addpenalty{-\@highpenalty}%
14902   \vskip 1.0em \@plus \p@
14903   \setlength\@tempdima{1.5em}%
14904   \begingroup
14905     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14906     \parfillskip -\@pnumwidth
14907     \leavevmode \bfseries
14908     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14909     \hskip -\if@RTL\rightskip\else\leftskip\fi
14910     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14911     \penalty\@highpenalty
14912   \endgroup}
14913 \else
14914   \renewcommand*\l@chapter{\@regtocline{0}}
14915 \fi
14916 \renewcommand*\head@style{%
14917   \interlinepenalty \@M
14918   \hyphenpenalty=\@M \exhyphenpenalty=\@M
14919   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
14920 \if@titlepage
14921   \renewenvironment{abstract}{%
14922     \titlepage
14923     \null\vfil
14924     \section*{\SectFont\abstractname}%
14925     \noindent\ignorespaces}
14926   {\par\vfil\null\endtitlepage}
14927 \else
14928   \renewenvironment{abstract}{%
14929     \if@twocolumn
14930       \section*{\abstractname}%
14931     \else
14932       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

14933      \section*{\small\SectFont\abstractname}%
14934      \noindent\ignorespaces
14935      \fi}
14936      {\if@twocolumn\else\par\egroup\fi}
14937 \fi
14938 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14939 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14940 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
14941 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14942 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
14943 \renewcommand*\thefigure{%
14944   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
14945 \renewcommand*\thetable{%
14946   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
14947 \renewcommand*\theequation{%
14948   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
14949 \renewenvironment{thebibliography}[1]
14950   {\chapter*{\bibname}%
14951    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14952    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14953    \list{\@biblabel{\@arabic\c@enumiv}}%
14954      {\settowidth\labelwidth{\@biblabel{#1}}%
14955       \leftmargin\labelwidth
14956       \advance\leftmargin\labelsep
14957       \@openbib@code
14958       \usecounter{enumiv}%
14959       \let\p@enumiv\@empty
14960       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
14961    \sloppy\clubpenalty4000\widowpenalty4000%
14962    \sfcode`.\@m}
14963    {\def\@noitemerr
14964     {\@latex@warning{Empty `thebibliography' environment}}%
14965     \endlist}
14966 \renewcommand*\left@footnoterule{%
14967   \kern-3\p@
14968   \kern.5\baselineskip
14969   \hrule\@width\unitindent
14970   \kern.4\baselineskip
14971 }
14972 \renewcommand*\right@footnoterule{%
14973   \kern-3\p@
14974   \kern.5\baselineskip
14975   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
14976   \kern.4\baselineskip}
14977 \renewcommand*\head@style{%
14978   \interlinepenalty \@M
14979   \hyphenpenalty=\@M \exhyphenpenalty=\@M
14980   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



## 7.98 refrep-xetex-bidi.def

```

14981 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX
14982 \if@titlepage
14983   \renewcommand\maketitle{\begin{titlepage}%
14984     \let\footnotesize\small
14985     \let\right@footnoterule\relax
14986     \let\left@footnoterule\relax
14987     \let\textwidth@footnoterule\relax
14988     \let\footnote\thanks
14989     \let\LTRfootnote\LTRthanks
14990     \let\RTLfootnote\RTLthanks
14991     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14992     \def\@makefnmark%
14993       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14994     \long\def\@makefntext##1{%
14995       \@setpar{\@par
14996         \@tempdima = \hspace
14997         \advance\@tempdima -1em
14998         \parshape \@ne 1em \@tempdima}%
14999       \par\parindent 1em \noindent
15000       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\,##1}
15001 \null\vfil
15002 \vskip 60\p@
15003 \begin{center}%
15004   {\LARGE \@title \par}%
15005   \vskip 3em%
15006   {\large
15007     \lineskip .75em%
15008     \begin{tabular}[t]{c}%
15009       \@author
15010       \end{tabular}\par}%
15011     \vskip 1.5em%
15012     {\large \@date \par}%           % Set date in \large size.
15013 \end{center}\par
15014 \@thanks
15015 \vfil\null
15016 \end{titlepage}%
15017 \setcounter{footnote}{0}%
15018 \global\let\thanks\relax
15019 \global\let\LTRthanks\relax
15020 \global\let\RTLthanks\relax
15021 \global\let\maketitle\relax
15022 \global\let\@thanks\@empty
15023 \global\let\@author\@empty
15024 \global\let\@date\@empty
15025 \global\let\@title\@empty
15026 \global\let\title\relax
15027 \global\let\author\relax
15028 \global\let\date\relax

```



```

15029 \global\let\and\relax
15030 }
15031 \else
15032 \renewcommand\maketitle{\par
15033 \begingroup
15034 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15035 \def\@makefnmark%
15036 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15037 \long\def\@makefntext##1{%
15038 \setpar{\@par
15039 \@tempdima = \hsize
15040 \advance\@tempdima -1em
15041 \parshape \@ne 1em \@tempdima}%
15042 \par\parindent 1em \noindent
15043 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
15044 \if@twocolumn
15045 \ifnum \col@number=\@ne
15046 \maketitle
15047 \else
15048 \twocolumn[\maketitle]%
15049 \fi
15050 \else
15051 \newpage
15052 \global\@topnum\z@ % Prevents figures from going at top of page.
15053 \maketitle
15054 \fi
15055 \thispagestyle{empty}\@thanks
15056 \endgroup
15057 \setcounter{footnote}{0}%
15058 \global\let\thanks\relax
15059 \global\let\LTRthanks\relax
15060 \global\let\RTLthanks\relax
15061 \global\let\maketitle\relax
15062 \global\let\@maketitle\relax
15063 \global\let\@thanks\@empty
15064 \global\let\@author\@empty
15065 \global\let\@date\@empty
15066 \global\let\@title\@empty
15067 \global\let\title\relax
15068 \global\let\author\relax
15069 \global\let\date\relax
15070 \global\let\and\relax
15071 }
15072 \def\@maketitle{%
15073 \newpage
15074 \null
15075 \longthickrule\vskip1.5em%
15076 \let \footnote \thanks
15077 \let \LTRfootnote \LTRthanks
15078 \let \RTLfootnote \RTLthanks

```



```

15079 {\secshape \parskip\z@ \parindent\z@
15080 \Large\bfseries \@title \par}%
15081 \vskip1.5em\longthickrule\vskip1.5em%
15082 {\normalsize
15083 \lineskip .5em%
15084 \begin{flushright}%
15085 {\slshape\@author\par}
15086 \vskip 1em%
15087 {\@date}%
15088 \end{flushright}\par}%
15089 \vskip 1.5em}
15090 \fi
15091 \renewcommand*\l@part[2]{%
15092 \ifnum \c@tocdepth >-2\relax
15093 \addpenalty{-\@highpenalty}%
15094 \addvspace{2.25em \@plus\p@}%
15095 \begingroup
15096 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15097 \parfillskip -\@pnumwidth
15098 {\leavevmode
15099 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
15100 \nobreak
15101 \global\@nbreaktrue
15102 \everypar{\global\@nbreakfalse\everypar{}}%
15103 \endgroup
15104 \fi}
15105 \renewcommand*\l@chapter[2]{%
15106 \ifnum \c@tocdepth >\m@ne
15107 \addpenalty{-\@highpenalty}%
15108 \vskip 1.0em \@plus\p@
15109 \setlength\@tempdima{1.5em}%
15110 \begingroup
15111 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15112 \parfillskip -\@pnumwidth
15113 \leavevmode \bfseries
15114 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15115 \hskip -\if@RTL\rightskip\else\leftskip\fi
15116 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
15117 \penalty\@highpenalty
15118 \endgroup
15119 \fi}
15120 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
15121 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
15122 \hyphenpenalty=2000}
15123 \renewcommand\left@footnoterule{%
15124 \kern-3\p@
15125 \hrule\@width.4\columnwidth
15126 \kern 2.6\p@}
15127 \renewcommand\right@footnoterule{%
15128 \kern-3\p@

```





```

15129 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15130 \kern2.6\p@}
15131 \renewcommand\theequation
15132 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15133 \renewcommand\thefigure
15134 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15135 \renewcommand\thetable%
15136 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15137 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15138 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15139 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
15140 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15141 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15142 \renewenvironment{thebibliography}[1]
15143 {\chapter*{\bibname
15144 \mkboth{\bibname}{\bibname}}%
15145 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15146 \list{\@biblabel{\@arabic\c@enumiv}}%
15147 {\settowidth\labelwidth{\@biblabel{#1}}%
15148 \leftmargin\labelwidth
15149 \advance\leftmargin\labelsep
15150 \@openbib@code
15151 \usecounter{enumiv}%
15152 \let\p@enumiv\@empty
15153 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15154 \sloppy
15155 \clubpenalty4000
15156 \@clubpenalty \clubpenalty
15157 \widowpenalty4000%
15158 \sfcode`\.=\@m}
15159 {\def\@noitemerr
15160 {\@latex@warning{Empty `thebibliography' environment}}%
15161 \endlist}

```

## 7.99 report-xetex-bidi.def

```

15162 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
15163 \renewenvironment{theindex}
15164 {\if@twocolumn
15165 \@restonecolfalse
15166 \else
15167 \@restonecoltrue
15168 \fi
15169 \columnseprule \z@
15170 \columnsep 35\p@
15171 \twocolumn[\@makeschapterhead{\indexname}]%
15172 \mkboth{\MakeUppercase\indexname}%
15173 {\MakeUppercase\indexname}%
15174 \thispagestyle{plain}\parindent\z@
15175 \parskip\z@ \@plus .3\p@\relax

```



```

15176             \let\item\@idxitem}
15177             {\if@restonecol\onecolumn\else\clearpage\fi}
15178 \if@titlepage
15179 \renewcommand\maketitle{\begin{titlepage}%
15180 \let\footnotesize\small
15181 \let\right@footnoterule\relax
15182 \let\left@footnoterule\relax
15183 \let\textwidth@footnoterule\relax
15184 \let \footnote \thanks
15185 \let \LTRfootnote \LTRthanks
15186 \let \RTLfootnote \RTLthanks
15187 \null\vfil
15188 \vskip 60\p@
15189 \begin{center}%
15190     {\LARGE \@title \par}%
15191     \vskip 3em%
15192     {\large
15193       \lineskip .75em%
15194       \begin{tabular}[t]{c}%
15195         \@author
15196       \end{tabular}\par}%
15197       \vskip 1.5em%
15198       {\large \@date \par}%           % Set date in \large size.
15199 \end{center}\par
15200 \@thanks
15201 \vfil\null
15202 \end{titlepage}%
15203 \setcounter{footnote}{0}%
15204 \global\let\thanks\relax
15205 \global\let\LTRthanks\relax
15206 \global\let\RTLthanks\relax
15207 \global\let\maketitle\relax
15208 \global\let\@thanks\@empty
15209 \global\let\@author\@empty
15210 \global\let\@date\@empty
15211 \global\let\@title\@empty
15212 \global\let\title\relax
15213 \global\let\author\relax
15214 \global\let\date\relax
15215 \global\let\and\relax
15216 }
15217 \else
15218 \renewcommand\maketitle{\par
15219 \begingroup
15220 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15221 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15222 \long\def\@makefntext##1{\parindent 1em\noindent
15223   \hb@xt@1.8em{%
15224     \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15225 \if@twocolumn

```



```

15226     \ifnum \col@number=\@ne
15227         \@maketitle
15228     \else
15229         \twocolumn[\@maketitle]%
15230     \fi
15231 \else
15232     \newpage
15233     \global\let\topnum\z@    % Prevents figures from going at top of page.
15234     \@maketitle
15235 \fi
15236 \thispagestyle{plain}\@thanks
15237 \endgroup
15238 \setcounter{footnote}{0}%
15239 \global\let\thanks\relax
15240 \global\let\LTRthanks\relax
15241 \global\let\RTLthanks\relax
15242 \global\let\maketitle\relax
15243 \global\let\@maketitle\relax
15244 \global\let\@thanks\@empty
15245 \global\let\@author\@empty
15246 \global\let\@date\@empty
15247 \global\let\@title\@empty
15248 \global\let\title\relax
15249 \global\let\author\relax
15250 \global\let\date\relax
15251 \global\let\and\relax
15252 }
15253 \def\@maketitle{%
15254     \newpage
15255     \null
15256     \vskip 2em%
15257     \begin{center}%
15258         \let \footnote \thanks
15259         \let \LTRfootnote \LTRthanks
15260         \let \RTLfootnote \RTLthanks
15261         {\LARGE \@title \par}%
15262         \vskip 1.5em%
15263         {\large
15264             \lineskip .5em%
15265             \begin{tabular}[t]{c}%
15266                 \@author
15267             \end{tabular}\par}%
15268         \vskip 1em%
15269         {\large \@date}%
15270     \end{center}%
15271     \par
15272     \vskip 1.5em}
15273 \fi
15274 \renewcommand*\l@part[2]{%
15275     \ifnum \c@tocdepth >-2\relax

```



```

15276 \addpenalty{-\@highpenalty}%
15277 \addvspace{2.25em \@plus\p@}%
15278 \setlength\@tempdima{3em}%
15279 \begingroup
15280 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15281 \parfillskip -\@pnumwidth
15282 {\leavevmode
15283 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15284 \nobreak
15285 \global\@nbreaktrue
15286 \everypar{\global\@nbreakfalse\everypar{}}%
15287 \endgroup
15288 \fi}
15289 \renewcommand*\l@chapter[2]{%
15290 \ifnum \c@tocdepth >\m@ne
15291 \addpenalty{-\@highpenalty}%
15292 \vskip 1.0em \@plus\p@
15293 \setlength\@tempdima{1.5em}%
15294 \begingroup
15295 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15296 \parfillskip -\@pnumwidth
15297 \leavevmode \bfseries
15298 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15299 \hskip -\if@RTL\rightskip\else\leftskip\fi
15300 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15301 \penalty\@highpenalty
15302 \endgroup
15303 \fi}
15304 \renewcommand\left@footnoterule{%
15305 \kern-3\p@
15306 \hrule\@width.4\columnwidth
15307 \kern2.6\p@}
15308 \renewcommand\right@footnoterule{%
15309 \kern-3\p@
15310 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15311 \kern2.6\p@}
15312 \renewcommand\theequation
15313 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
15314 \renewcommand \thefigure
15315 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
15316 \renewcommand \thetable
15317 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
15318 \renewcommand \thechapter {\@arabic\c@chapter}
15319 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
15320 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
15321 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
15322 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
15323 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
15324 \def\@makechapterhead#1{%
15325 \vspace*{50\p@}%

```



```

15326 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15327 \ifnum \c@secnumdepth >\m@ne
15328 \huge\bfseries \@chapapp\space \thechapter
15329 \par\nobreak
15330 \vskip 20\p@
15331 \fi
15332 \interlinepenalty\@M
15333 \Huge \bfseries #1\par\nobreak
15334 \vskip 40\p@
15335 }}
15336 \def\@makeschapterhead#1{%
15337 \vspace*{50\p@}%
15338 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15339 \normalfont
15340 \interlinepenalty\@M
15341 \Huge \bfseries #1\par\nobreak
15342 \vskip 40\p@
15343 }}
15344 \renewenvironment{thebibliography}[1]
15345 {\chapter*{\bibname}%
15346 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15347 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15348 \list{\@biblabel{\@arabic\c@enumiv}}%
15349 {\settowidth\labelwidth{\@biblabel{#1}}%
15350 \leftmargin\labelwidth
15351 \advance\leftmargin\labelsep
15352 \@openbib@code
15353 \usecounter{enumiv}%
15354 \let\p@enumiv\@empty
15355 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15356 \sloppy
15357 \clubpenalty4000
15358 \@clubpenalty \clubpenalty
15359 \widowpenalty4000%
15360 \sfcode`..\@m}
15361 {\def\@noitemerr
15362 {\@latex@warning{Empty `thebibliography' environment}}}%
15363 \endlist}

```

## 7.100 rotating-xetex-bidi.def

```

15364 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
15365 \def\end@rotfloat{%
15366 \end{minipage}\end{lrbox}%
15367 \stepcounter{r@tfl@t}%
15368 \rot@label{RF\ther@tfl@t}%
15369 \rot@pageref{RF\ther@tfl@t}{\R@page}%
15370 \edef\@tempa{Adding sideways \@capytype\space on page \R@page\space}
15371 \rot@mess@toks\expandafter{\@tempa}
15372 \wd\rot@float@box\z@

```



```

15373 \ht\rot@float@box\z@
15374 \dp\rot@float@box\z@
15375 \vboxL to \textheight{%
15376 \setkeys{Grot}{units=360}%
15377 \if@rot@twoside
15378 \else
15379 \let\R@@page\rot@LR
15380 \fi
15381 \ifthenelse{\isodd{\R@@page}}{%
15382 \if@rot@twoside
15383 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15384 \fi
15385 \vfill
15386 @@line{%
15387 \hskip\rotFPtop
15388 \rotatebox{90}{\box\rot@float@box}%
15389 \hskip\rotFPbot
15390 }%
15391 }{%
15392 \if@rot@twoside
15393 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15394 \fi
15395 @@line{%
15396 \hskip\rotFPbot
15397 \rotatebox{-90}{\box\rot@float@box}%
15398 \hskip\rotFPtop
15399 }%
15400 \vfill
15401 }%
15402 \rot@message{\the\rot@mess@toks}
15403 }%
15404 \end@float
15405 }
15406 \let\endsidewaysfigure\end@rotfloat
15407 \let\endsidewaysstable\end@rotfloat
15408 \def\end@rotdblfloat{%
15409 \end{minipage}\end{lrbox}%
15410 \stepcounter{r@tfl@t}%
15411 \rot@label{RF\ther@tfl@t}%
15412 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
15413 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
15414 \rot@mess@toks\expandafter{\@tempa}
15415 \@tempdima\ht\rot@float@box
15416 \advance\@tempdima by \dp\rot@float@box
15417 \wd\rot@float@box\z@
15418 \ht\rot@float@box\z@
15419 \dp\rot@float@box\z@
15420 \vboxL to \textheight{%
15421 \setkeys{Grot}{units=360}%
15422 \if@rot@twoside

```



```

15423 \else
15424 \let\R@@page\rot@LR
15425 \fi
15426 \ifthenelse{\isodd{\R@@page}}{%
15427 \ifrot@messages
15428 \ifrot@twoside
15429 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
15430 \fi
15431 \fi
15432 \vfill
15433 @@line{%
15434 \hskip\rotFPtop
15435 \rotatebox{90}{\box\rot@float@box}%
15436 \hskip\rotFPbot
15437 }%
15438 }{%
15439 \ifrot@messages
15440 \ifrot@twoside
15441 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
15442 \fi
15443 \fi%
15444 @@line{%
15445 \hskip\rotFPbot
15446 \rotatebox{-90}{\box\rot@float@box}%
15447 \hskip\rotFPtop
15448 }%
15449 \vfill
15450 }%
15451 \rot@message{\the\rot@mess@toks}%
15452 }%
15453 \end@dblfloat
15454 }
15455 \def\turn#1{%
15456 \Grot@setangle{#1}%
15457 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15458 \def\endturn{%
15459 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15460 \unskip\color@endbox
15461 \Grot@x\z@
15462 \Grot@y\z@
15463 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15464 }
15465 \def\rotate#1{%
15466 \Grot@setangle{#1}%
15467 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15468 \def\endrotate{%
15469 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15470 \unskip\color@endbox
15471 \Grot@x\z@
15472 \Grot@y\z@

```



```

15473 \wd0\z@\dp0\z@\ht0\z@
15474 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15475 }
15476 \def\turnbox#1#2{%
15477 \Grot@setangle{#1}%
15478 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
15479 \Grot@x\z@\Grot@y\z@
15480 \wd0\z@\dp0\z@\ht0\z@
15481 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15482 }
15483 \def\sideways{%
15484 \Grot@setangle{90}%
15485 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
15486 \def\endsideways{%
15487 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
15488 \unskip\color@endbox
15489 \Grot@x\z@
15490 \Grot@y\z@
15491 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
15492 }

```

### 7.101 scrartcl-xetex-bidi.def

```

15493 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for Xe
15494 \newcommand{\scr@saved@LTRfootnotetext}{}
15495 \newcommand{\scr@saved@RTLfootnotetext}{}
15496 \let\scr@saved@footnotetext\@footnotetext
15497 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15498 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15499 \renewcommand{\@footnotetext}[1]{%
15500 \scr@saved@footnotetext{#1}%
15501 \csname FN@mfp@prepare\endcsname
15502 }
15503 \renewcommand{\@LTRfootnotetext}[1]{%
15504 \scr@saved@LTRfootnotetext{#1}%
15505 \csname FN@mfp@prepare\endcsname
15506 }
15507 \renewcommand{\@RTLfootnotetext}[1]{%
15508 \scr@saved@RTLfootnotetext{#1}%
15509 \csname FN@mfp@prepare\endcsname
15510 }
15511 \renewcommand\deffootnote[4][1]{%
15512 \long\def\@makefn#1{%
15513 \setlength{\@tempdimc}{#3}%
15514 \def\@tempa{#1}\ifx\@tempa\@empty
15515 \setpar{\@par
15516 \@tempdima = \hsize
15517 \addtolength{\@tempdima}{-#2}%
15518 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
15519 \else

```





```

15520 \addtolength{\@tempdimc}{#2}%
15521 \addtolength{\@tempdimc}{-#1}%
15522 \@setpar{\@par
15523 \@tempdima = \hsize
15524 \addtolength{\@tempdima}{-#1}%
15525 \@tempdimb = \hsize
15526 \addtolength{\@tempdimb}{-#2}%
15527 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15528 }%
15529 \fi
15530 \par
15531 \parindent\@tempdimc\noindent
15532 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15533 }%
15534 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15535 }
15536 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15537 \renewcommand*\left@footnoterule{%
15538 \normalsize\ftn@rule@test@values
15539 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15540 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15541 {\usekomafont{footnoterule}{%
15542 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15543 \kern 2.6\p@}
15544 \renewcommand*\right@footnoterule{%
15545 \normalsize\ftn@rule@test@values
15546 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
15547 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15548 {\usekomafont{footnoterule}{%
15549 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15550 \kern 2.6\p@}
15551 \renewcommand*\maketitle[1][1]{%
15552 \if@titlepage
15553 \begin{titlepage}
15554 \setcounter{page}{%
15555 #1%
15556 }%
15557 \let\footnotesize\small
15558 \let\right@footnoterule\relax
15559 \let\left@footnoterule\relax
15560 \let\textwidth\footnoterule\relax
15561 \let\footnote\thanks
15562 \let\LTRfootnote\LTRthanks
15563 \let\RTLfootnote\RTLthanks
15564 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15565 \let\@oldmakefnmark\@makefnmark
15566 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15567 \ifx\@extratitle\@empty \else
15568 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15569 \thispagestyle{empty}%

```



```

15570 \fi
15571 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par\updaterelative
15572 \ifx\@titlehead\@empty \else
15573 \begin{minipage}[t]{\textwidth}%
15574 \@titlehead
15575 \end{minipage}\par
15576 \fi
15577 \null\vfill
15578 \begin{center}
15579 \ifx\@subject\@empty \else
15580 {\subject@font \@subject \par}%
15581 \vskip 3em
15582 \fi
15583 {\titlefont\huge \@title\par}%
15584 \vskip 1em
15585 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15586 \vskip 2em
15587 {\Large \lineskip 0.75em
15588 \begin{tabular}[t]{c}
15589 \@author
15590 \end{tabular}\par
15591 }%
15592 \vskip 1.5em
15593 {\Large \@date \par}%
15594 \vskip \z@ \@plus3fill
15595 {\Large \@publishers \par}%
15596 \vskip 3em
15597 \end{center}\par
15598 \@thanks
15599 \vfill\null
15600 \if@twoside\next@tpage
15601 \begin{minipage}[t]{\textwidth}
15602 \@uppertitleback
15603 \end{minipage}\par
15604 \vfill
15605 \begin{minipage}[b]{\textwidth}
15606 \@lowertitleback
15607 \end{minipage}
15608 \fi
15609 \ifx\@dedication\@empty \else
15610 \next@tpage\null\vfill
15611 {\centering \Large \@dedication \par}%
15612 \vskip \z@ \@plus3fill
15613 \if@twoside \next@tpage\cleardoubleemptypage \fi
15614 \fi
15615 \end{titlepage}
15616 \else
15617 \par
15618 \@tempcnta=%
15619 #1%

```



```

15620 \relax\ifnum\@tempcnta=1\else
15621 \ClassWarning{\KOMAClassName}{%
15622 Optional argument of \string\maketitle\space ignored
15623 at\MessageBreak
15624 notitlepage-mode%
15625 }%
15626 \fi
15627 \begingroup
15628 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15629 \let\@oldmakefnmark\@makefnmark
15630 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
15631 \if@twocolumn
15632 \ifnum \col@number=\@one
15633 \@maketitle
15634 \else
15635 \twocolumn[\@maketitle]%
15636 \fi
15637 \else
15638 \newpage
15639 \global\@topnum\z@
15640 \@maketitle
15641 \fi
15642 \thispagestyle{\titlepagestyle}\@thanks
15643 \endgroup
15644 \fi
15645 \setcounter{footnote}{0}%
15646 \let\thanks\relax
15647 \let\LTRthanks\relax
15648 \let\RTLthanks\relax
15649 \let\maketitle\relax
15650 \let\@maketitle\relax
15651 \global\let\@thanks\@empty
15652 \global\let\@author\@empty
15653 \global\let\@date\@empty
15654 \global\let\@title\@empty
15655 \global\let\@subtitle\@empty
15656 \global\let\@extratitle\@empty
15657 \global\let\@titlehead\@empty
15658 \global\let\@subject\@empty
15659 \global\let\@publishers\@empty
15660 \global\let\@uppertitleback\@empty
15661 \global\let\@lowertitleback\@empty
15662 \global\let\@dedication\@empty
15663 \global\let\author\relax
15664 \global\let\title\relax
15665 \global\let\extratitle\relax
15666 \global\let\titlehead\relax
15667 \global\let\subject\relax
15668 \global\let\publishers\relax
15669 \global\let\uppertitleback\relax

```



```

15670 \global\let\lowertitleback\relax
15671 \global\let\dedication\relax
15672 \global\let\date\relax
15673 \global\let\and\relax
15674 }%
15675 \renewcommand*{\@maketitle}{%
15676 \clearpage
15677 \let\footnote\thanks
15678 \let\LTRfootnote\LTRthanks
15679 \let\RTLfootnote\RTLthanks
15680 \ifx\@extratitle\@empty \else
15681 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15682 \fi
15683 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15684 \ifx\@titlehead\@empty \else
15685 \begin{minipage}[t]{\textwidth}
15686 \@titlehead
15687 \end{minipage}\par
15688 \fi
15689 \null
15690 \vskip 2em%
15691 \begin{center}%
15692 \ifx\@subject\@empty \else
15693 {\subject@font \@subject \par}
15694 \vskip 1.5em
15695 \fi
15696 {\titlefont\huge \@title \par}%
15697 \vskip .5em
15698 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15699 \vskip 1em
15700 {\Large
15701 \lineskip .5em%
15702 \begin{tabular}[t]{c}
15703 \@author
15704 \end{tabular}\par
15705 }%
15706 \vskip 1em%
15707 {\Large \@date \par}%
15708 \vskip \z@ \@plus 1em
15709 {\Large \@publishers \par}
15710 \ifx\@dedication\@empty \else
15711 \vskip 2em
15712 {\Large \@dedication \par}
15713 \fi
15714 \end{center}%
15715 \par
15716 \vskip 2em
15717 }%
15718 \renewcommand*{\l@part[2]}{%
15719 \ifnum \c@tocdepth >\m@ne\relax

```



```

15720 \addpenalty{\@secpenalty}%
15721 \addvspace{2.25em \@plus\p@}%
15722 \setlength{\@tempdima}{2em}%
15723 \if@tocleft
15724     \ifx\toc@l@number\@empty\else
15725         \setlength{\@tempdima}{0\toc@l@number}%
15726     \fi
15727 \fi
15728 \begingroup
15729     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15730     \parfillskip -\@pnumwidth
15731     \leavevmode
15732     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15733     \hskip -\if@RTL\rightskip\else\leftskip\fi
15734     {\usekomafont{partentry}{#1\nobreak
15735         \usekomafont{partentrypagenumber}{\hfil\nobreak
15736             \hb@xt@\@pnumwidth{\hss#2}}}\par
15737     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15738     \endgroup
15739     \penalty20010
15740 \else
15741     \if@compatibility
15742         \global\@nobreaktrue
15743         \everypar{\global\@nobreakfalse\everypar{}}%
15744     \else
15745         \penalty\@highpenalty
15746     \fi
15747 \endgroup
15748 \fi
15749 \fi
15750 }
15751 \renewcommand*{\l@section[2]}{%
15752     \ifnum \c@tocdepth >\z@
15753         \ifnum \lastpenalty<20009
15754             \addpenalty{\@secpenalty}%
15755         \fi
15756         \addvspace{1.0em \@plus\p@}%
15757         \setlength{\@tempdima}{1.5em}%
15758         \if@tocleft
15759             \ifx\toc@l@number\@empty\else
15760                 \setlength{\@tempdima}{0\toc@l@number}%
15761             \fi
15762         \fi
15763     \begingroup
15764         \raggedsectionentry
15765         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15766         \parfillskip -\@pnumwidth
15767         \interlinepenalty\@M
15768         \leavevmode
15769         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk

```



```

15770      {\usekomafont{sectionentry}{#1\nobreak
15771        \usekomafont{sectionentrypagenumber}{%
15772          \hfill\nobreak
15773          \hb@xt@{\pnumwidth{\hss#2}}}{\par
15774        \endgroup
15775        \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15776          \penalty20008
15777        \fi
15778      \fi
15779    }
15780    \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15781    \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
15782    \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15783    \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15784    \renewcommand*{\thesubsubsection}{%
15785      \thesubsection\@SepMark\@arabic\c@subsubsection
15786    }
15787    \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15788    \renewcommand*{\thesubparagraph}{%
15789      \theparagraph\@SepMark\@arabic\c@subparagraph
15790    }
15791    \renewenvironment{thebibliography}[1]{%
15792      \if@bib@break@
15793        \bib@beginhook
15794      \else
15795        \bib@heading
15796        \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15797          \noindent\bibpreamble\par\nobreak
15798        \fi\fi
15799        \bib@beginhook
15800        \bib@before@hook
15801      \fi
15802      \renewcommand{\BreakBibliography}[1]{%
15803        \@bib@break
15804        \end{thebibliography}%
15805        \begingroup ##1\endgroup
15806        \begin{thebibliography}{#1}
15807      }%
15808      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15809      \list{}
15810        \@biblabel{\@arabic\c@enumiv}%
15811      }{%
15812        \settowidth\labelwidth{\@biblabel{#1}}%
15813        \leftmargin\labelwidth
15814        \advance\leftmargin\labelsep
15815        \@openbib@code
15816        \if@bib@break@
15817          \edef\@tempa{%
15818            \noexpand\usecounter{enumiv}%
15819            \noexpand\setcounter{enumiv}{\the\c@enumiv}%

```



```

15820     }\@tempa
15821     \no@bib@break
15822     \else
15823         \usecounter{enumiv}%
15824     \fi
15825     \let\p@enumiv\@empty
15826     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15827 }%
15828 \sloppy\clubpenalty4000 \widowpenalty4000
15829 \sfcode`\.=\@m
15830 }{f%
15831 \if@bib@break@
15832     \def\@noitemerr{%
15833         \@latex@warning{%
15834             \string\BreakBibliography\space at begin of `thebibliography'
15835             environment\MessageBreak
15836             or following \string\BreakBibliography}%
15837     }%
15838 \else
15839     \def\@noitemerr{%
15840         \@latex@warning{%
15841             Empty `thebibliography' environment or
15842             \string\BreakBibliography\MessageBreak
15843             before end of `thebibliography' environment}%
15844     }%
15845 \fi
15846 \endlist
15847 \if@bib@break@
15848 \else
15849     \bib@after@hook
15850     \let\bib@before@hook\@empty
15851     \let\bib@after@hook\@empty
15852 \fi
15853 \bib@endhook
15854 }
15855 \renewcommand*\left@footnoterule{%
15856     \kern-3\p@
15857     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15858     \hrule\@width.4\columnwidth
15859     \kern 2.6\p@}
15860 \renewcommand*\right@footnoterule{%
15861     \kern-3\p@
15862     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15863     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15864     \kern2.6\p@}
15865 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15866 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15867 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15868 \renewcommand\marginline[1]{%
15869     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}

```



```

15870 }
15871 \renewcommand{\@@makecaption}[3]{%
15872   \cap@margin
15873   \ifonelinecaptions
15874     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15875     \let\scr@tmp@footnotetext=\@footnotetext
15876     \let\@footnotetext=\@gobble
15877     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15878     \let\@LTRfootnotetext=\@gobble
15879     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15880     \let\@RTLfootnotetext=\@gobble
15881     \sbox\@tempboxa{%
15882       {\capfont{\strut\ignorespaces
15883         #1{\caplabelfont{#2\captionformat}}}%
15884         #3\unskip\strut}}%
15885     }%
15886     \let\@footnotetext=\scr@tmp@footnotetext
15887     \let\scr@tmp@footnotetext=\undefined
15888     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15889     \let\scr@tmp@LTRfootnotetext=\undefined
15890     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15891     \let\scr@tmp@RTLfootnotetext=\undefined
15892     \setcounter{footnote}{\@tempcntb}%
15893     \setcounter{mpfootnote}{\@tempcnta}%
15894   \else
15895     \sbox\@tempboxa{\hspace*{2\cap@width}}%
15896   \fi
15897   \begingroup%
15898     \setlength{\@tempdima}{\cap@width}%
15899     \ifdim \wd\@tempboxa >\@tempdima
15900       \hbxt@\hsize{%
15901         \setbox\@tempboxa\vbox{\hsize=\cap@width
15902           \ifdofullc@p
15903             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15904               #1{\caplabelfont{#2\captionformat}}}}}%
15905             {#3\unskip\strut\par}}}%
15906         \else%
15907           \ifdim\cap@indent<\z@
15908             {\capfont{\strut\ignorespaces
15909               #1{\caplabelfont{#2\captionformat\par}}}%
15910             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15911           \else%
15912             \if@capbreak
15913               {\capfont{\strut\ignorespaces
15914                 #1{\caplabelfont{#2\captionformat\par}}}%
15915               \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15916             \else
15917               {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}}%
15918                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15919                   {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%

```





```

15920         \fi
15921     \fi
15922     \fi
15923 }%
15924 \setlength{\@tempdima}{\ht\@tempboxa}%
15925 \addtolength{\@tempdima}{\dp\@tempboxa}%
15926 \addtolength{\@tempdima}{-\ht\strutbox}%
15927 \ht\@tempboxa\ht\strutbox
15928 \dp\@tempboxa\@tempdima
15929 \strut\cap@left
15930 \box\@tempboxa
15931 \cap@right\strut
15932 }%
15933 \else
15934 \global \@minipagefalse
15935 \sbox\@tempboxa{%
15936     {\capfont{\scr@smashdp{\strut\ignorespaces
15937         #1{\caplabelfont{#2\captionformat}}}}}%
15938     #3}}%
15939 }%
15940 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15941 \fi
15942 \endgroup
15943 }
15944 \renewcommand{\@makecaption}[2]{%
15945     \if@captionabove
15946         \vskip\belowcaptionskip
15947     \else
15948         \vskip\abovecaptionskip
15949     \fi
15950     \@makecaption\@firstofone{#1}{#2}%
15951     \if@captionabove
15952         \vskip\abovecaptionskip
15953     \else
15954         \vskip\belowcaptionskip
15955     \fi
15956 }
15957 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15958     \@ifpackageloaded{caption2}{\@komalongtablefalse
15959         \scr@caption@before@longtable@warning{caption2}%
15960     }{}%
15961     \if@komalongtable
15962         \renewcommand{\LT@makecaption}[3]{%
15963             \noalign{%
15964                 \if@captionabove
15965                     \vskip\belowcaptionskip
15966                 \else
15967                     \vskip\abovecaptionskip
15968                 \fi
15969             }%

```



```

15970 \LT@mcol\LT@cols c{%
15971 \hbox to\z@{\hss\parbox[t]{linewidth{%
15972 \@@makecaption{#1}{#2}{#3}%
15973 \endgraf
15974 \if@captionabove
15975 \vskip\abovecaptionskip
15976 \else
15977 \vskip\belowcaptionskip
15978 \fi
15979 }%
15980 \hss
15981 }%
15982 }%
15983 }%
15984 \renewcommand*{\scr@LT@array}{}%
15985 \let\scr@LT@array=\LT@array
15986 \renewcommand*{\LT@array}{%
15987 \let\scr@caption=\LT@caption
15988 \def\captionabove{\noalign{\global\@captionabovetrue}%
15989 \scr@caption}%
15990 \def\captionbelow{\noalign{\global\@captionabovetrue}%
15991 \scr@caption}%
15992 \if@tablecaptionabove
15993 \let\LT@caption=\captionabove
15994 \else
15995 \let\LT@caption=\captionbelow
15996 \fi
15997 \scr@LT@array
15998 }%
15999 \ClassInfo{\KOMAClassName}{%
16000 longtable captions redefined%
16001 }%
16002 \fi
16003 }

```

## 7.102 scrbook-xetex-bidi.def

```

16004 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
16005 \newcommand{\scr@saved@LTRfootnotetext}{}
16006 \newcommand{\scr@saved@RTLfootnotetext}{}
16007 \let\scr@saved@footnotetext\@footnotetext
16008 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16009 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16010 \renewcommand{\@footnotetext}[1]{%
16011 \scr@saved@footnotetext{#1}%
16012 \csname FN@mf@prepare\endcsname
16013 }
16014 \renewcommand{\@LTRfootnotetext}[1]{%
16015 \scr@saved@LTRfootnotetext{#1}%
16016 \csname FN@mf@prepare\endcsname

```



```

16017 }
16018 \renewcommand{\@RTLfootnotetext}[1]{%
16019   \scr@saved@RTLfootnotetext{#1}%
16020   \csname FN@mf@prepare\endcsname
16021 }
16022 \renewcommand\deffootnote[4][1]{%
16023   \long\def\@makefnmark##1{%
16024     \setlength{\@tempdimc}{#3}%
16025     \def\@tempa{#1}\ifx\@tempa\@empty
16026       \setpar{\@par
16027         \@tempdima = \hsize
16028         \addtolength{\@tempdima}{-#2}%
16029         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16030       \else
16031         \addtolength{\@tempdimc}{#2}%
16032         \addtolength{\@tempdimc}{-#1}%
16033         \setpar{\@par
16034           \@tempdima = \hsize
16035           \addtolength{\@tempdima}{-#1}%
16036           \@tempdimb = \hsize
16037           \addtolength{\@tempdimb}{-#2}%
16038           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16039         }%
16040       \fi
16041       \par
16042       \parindent\@tempdimc\noindent
16043       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16044     }%
16045     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16046   }
16047   \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16048   \renewcommand*\left@footnoterule{%
16049     \normalsize\ftn@rule@test@values
16050     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16051     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16052     {\usekomafont{footnoterule}{%
16053       \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16054     \kern 2.6\p@}
16055   \renewcommand*\right@footnoterule{%
16056     \normalsize\ftn@rule@test@values
16057     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16058     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16059     {\usekomafont{footnoterule}{%
16060       \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16061       \kern 2.6\p@}
16062     }
16063   \renewcommand*\maketitle[1][1]{%
16064     \if@titlepage
16065       \begin{titlepage}
16066         \setcounter{page}{%

```



```

16067 }%
16068 \let\footnotesize\small
16069 \let\right@footnoterule\relax
16070 \let\left@footnoterule\relax
16071 \let\textwidth@footnoterule\relax
16072 \let\footnote\thanks
16073 \let\LTRfootnote\LTRthanks
16074 \let\RTLfootnote\RTLthanks
16075 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16076 \let\@oldmakefnmark\@makefnmark
16077 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16078 \ifx\@extratitle\@empty \else
16079 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16080 \thispagestyle{empty}%
16081 \fi
16082 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16083 \ifx\@titlehead\@empty \else
16084 \begin{minipage}[t]{\textwidth}%
16085 \@titlehead
16086 \end{minipage}\par
16087 \fi
16088 \null\vfill
16089 \begin{center}
16090 \ifx\@subject\@empty \else
16091 {\subject@font \@subject \par}%
16092 \vskip 3em
16093 \fi
16094 {\titlefont\huge \@title\par}%
16095 \vskip 1em
16096 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16097 \vskip 2em
16098 {\Large \lineskip 0.75em
16099 \begin{tabular}[t]{c}
16100 \@author
16101 \end{tabular}}\par
16102 }%
16103 \vskip 1.5em
16104 {\Large \@date \par}%
16105 \vskip \z@ \@plus3fill
16106 {\Large \@publishers \par}%
16107 \vskip 3em
16108 \end{center}\par
16109 \@thanks
16110 \vfill\null
16111 \if@twoside\next@tpage
16112 \begin{minipage}[t]{\textwidth}
16113 \@uppertitleback
16114 \end{minipage}\par
16115 \vfill
16116 \begin{minipage}[b]{\textwidth}

```



```

16117         \@lowertitleback
16118     \end{minipage}
16119 \fi
16120 \ifx\@dedication\@empty \else
16121     \next@tpage\null\vfill
16122     {\centering \Large \@dedication \par}%
16123     \vskip \z@ \@plus3fill
16124     \if@twoside \next@tpage\cleardoubleemptypage \fi
16125 \fi
16126 \end{titlepage}
16127 \else
16128     \par
16129     \@tempcnta=%
16130     #1%
16131     \relax\ifnum\@tempcnta=1\else
16132         \ClassWarning{\KOMAClassName}{%
16133             Optional argument of \string\maketitle\space ignored
16134             at\MessageBreak
16135             notitlepage-mode%
16136         }%
16137     \fi
16138     \begingroup
16139         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16140         \let\@oldmakefnmark\@makefnmark
16141         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16142         \if@twocolumn
16143             \ifnum \col@number=\@one
16144                 \@maketitle
16145             \else
16146                 \twocolumn[\@maketitle]%
16147             \fi
16148         \else
16149             \newpage
16150             \global\@topnum\z@
16151             \@maketitle
16152         \fi
16153         \thispagestyle{\titlepagestyle}\@thanks
16154     \endgroup
16155 \fi
16156 \setcounter{footnote}{0}%
16157 \let\thanks\relax
16158 \let\LTRthanks\relax
16159 \let\RTLthanks\relax
16160 \let\maketitle\relax
16161 \let\@maketitle\relax
16162 \global\let\@thanks\@empty
16163 \global\let\@author\@empty
16164 \global\let\@date\@empty
16165 \global\let\@title\@empty
16166 \global\let\@subtitle\@empty

```



```

16167 \global\let\@extratitle\@empty
16168 \global\let\@titlehead\@empty
16169 \global\let\@subject\@empty
16170 \global\let\@publishers\@empty
16171 \global\let\@uppertitleback\@empty
16172 \global\let\@lowertitleback\@empty
16173 \global\let\@dedication\@empty
16174 \global\let\author\relax
16175 \global\let\title\relax
16176 \global\let\extratitle\relax
16177 \global\let\titlehead\relax
16178 \global\let\subject\relax
16179 \global\let\publishers\relax
16180 \global\let\uppertitleback\relax
16181 \global\let\lowertitleback\relax
16182 \global\let\dedication\relax
16183 \global\let\date\relax
16184 \global\let\and\relax
16185 }%
16186 \renewcommand*{\@maketitle}{%
16187 \clearpage
16188 \let\footnote\thanks
16189 \let\LTRfootnote\LTRthanks
16190 \let\RTLfootnote\RTLthanks
16191 \ifx\@extratitle\@empty \else
16192 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16193 \fi
16194 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16195 \ifx\@titlehead\@empty \else
16196 \begin{minipage}[t]{\textwidth}
16197 \@titlehead
16198 \end{minipage}\par
16199 \fi
16200 \null
16201 \vskip 2em%
16202 \begin{center}%
16203 \ifx\@subject\@empty \else
16204 {\subject@font \@subject \par}
16205 \vskip 1.5em
16206 \fi
16207 {\titlefont\huge \@title \par}%
16208 \vskip .5em
16209 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16210 \vskip 1em
16211 {\Large
16212 \lineskip .5em%
16213 \begin{tabular}[t]{c}
16214 \@author
16215 \end{tabular}\par
16216 }%

```



```

16217 \vskip 1em%
16218 {\Large \@date \par}%
16219 \vskip \z@ \@plus 1em
16220 {\Large \@publishers \par}
16221 \ifx\@dedication\@empty \else
16222 \vskip 2em
16223 {\Large \@dedication \par}
16224 \fi
16225 \end{center}%
16226 \par
16227 \vskip 2em
16228 }%
16229 \renewcommand*\l@part[2]{%
16230 \ifnum \c@tocdepth >-2\relax
16231 \addpenalty{-\@highpenalty}%
16232 \addvspace{2.25em \@plus\p@}%
16233 \setlength{\@tempdima}{2em}%
16234 \if@tocleft
16235 \ifx\toc@l@number\@empty\else
16236 \setlength{\@tempdima}{0\toc@l@number}%
16237 \fi
16238 \fi
16239 \begingroup
16240 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16241 \parfillskip -\@pnumwidth
16242 \leavevmode
16243 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16244 \hskip -\if@RTL\rightskip\else\leftskip\fi
16245 {\usekomafont{partentry}{#1\nobreak
16246 \usekomafont{partentrypagenumber}{\hfil\nobreak
16247 \hb@xt@\@pnumwidth{\hss#2}}}\par
16248 \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
16249 \endgroup
16250 \penalty20010
16251 \else
16252 \penalty\@highpenalty
16253 \endgroup
16254 \fi
16255 \fi
16256 }\renewcommand*\l@part[2]{%
16257 \ifnum \c@tocdepth >-2\relax
16258 \addpenalty{-\@highpenalty}%
16259 \addvspace{2.25em \@plus\p@}%
16260 \setlength{\@tempdima}{2em}%
16261 \if@tocleft
16262 \ifx\toc@l@number\@empty\else
16263 \setlength{\@tempdima}{0\toc@l@number}%
16264 \fi
16265 \fi
16266 \begingroup

```



```

16267 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16268 \parfillskip -\@pnumwidth
16269 \leavevmode
16270 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16271 \hskip -\if@RTL\rightskip\else\leftskip\fi
16272 {\usekomafont{partentry}{#1\nobreak
16273 \usekomafont{partentrypagenumber}{\hfil\nobreak
16274 \hb@xt@\@pnumwidth{\hss#2}}}\par
16275 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16276 \endgroup
16277 \penalty20010
16278 \else
16279 \penalty\@highpenalty
16280 \endgroup
16281 \fi
16282 \fi
16283 }
16284 \renewcommand*\l@chapter[2]{%
16285 \ifnum \c@tocdepth >\m@ne
16286 \ifnum \lastpenalty<20010
16287 \addpenalty{-\@highpenalty}%
16288 \fi
16289 \vskip 1.0em \@plus\p@
16290 \setlength\@tempdima{1.5em}%
16291 \if@tocleft
16292 \ifx\toc@l@number\@empty\else
16293 \setlength\@tempdima{0\toc@l@number}%
16294 \fi
16295 \fi
16296 \begingroup
16297 \raggedchapterentry
16298 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16299 \parfillskip -\@pnumwidth
16300 \interlinepenalty\@M
16301 \leavevmode
16302 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16303 {\usekomafont{chapterentry}{#1\nobreak
16304 \usekomafont{chapterentrypagenumber}{%
16305 \hfill\nobreak
16306 \hb@xt@\@pnumwidth{\hss#2}}}\par
16307 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16308 \endgroup
16309 \penalty20009
16310 \else
16311 \penalty\@highpenalty
16312 \endgroup
16313 \fi
16314 \fi
16315 }
16316 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}

```





```

16317 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16318 \renewcommand*\thesection{%
16319   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16320     \if@mainmatter\thechapter\@SepMark\fi
16321   \else
16322     \thechapter\@SepMark%
16323   \fi
16324   \@arabic\c@section
16325 }
16326 \renewcommand*\thesubsection{\the\thesection\@SepMark\@arabic\c@subsection}
16327 \renewcommand*\thesubsubsection{%
16328   \thesubsection\@SepMark\@arabic\c@subsubsection
16329 }
16330 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16331 \renewcommand*\thesubparagraph{%
16332   \theparagraph\@SepMark\@arabic\c@subparagraph
16333 }
16334 \renewcommand*\thefigure{%
16335   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16336     \if@mainmatter\thechapter\@SepMark\fi
16337   \else
16338     \thechapter\@SepMark%
16339   \fi
16340   \@arabic\c@figure
16341 }
16342 \renewcommand*\thetable{%
16343   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16344     \if@mainmatter\thechapter\@SepMark\fi
16345   \else
16346     \thechapter\@SepMark%
16347   \fi
16348   \@arabic\c@table
16349 }
16350 \renewcommand*\theequation{%
16351   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
16352     \if@mainmatter\thechapter\@SepMark\fi
16353   \else
16354     \thechapter\@SepMark%
16355   \fi
16356   \@arabic\c@equation
16357 }
16358 \renewenvironment{thebibliography}[1]{%
16359   \if@bib@break@
16360     \bib@beginhook
16361   \else
16362     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16363       \setchapterpreamble{\bibpreamble}%
16364     \fi\fi
16365     \bib@heading
16366     \bib@beginhook

```



```

16367 \bib@before@hook
16368 \fi
16369 \renewcommand{\BreakBibliography}[1]{%
16370 \@bib@break
16371 \end{thebibliography}%
16372 \begingroup ##1\endgroup
16373 \begin{thebibliography}{#1}
16374 }%
16375 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16376 \list{%
16377 \@biblabel{\@arabic\c@enumiv}%
16378 }{%
16379 \settowidth\labelwidth{\@biblabel{#1}}%
16380 \leftmargin\labelwidth
16381 \advance\leftmargin\labelsep
16382 \@openbib@code
16383 \if@bib@break@
16384 \edef\@tempa{%
16385 \noexpand\usecounter{enumiv}%
16386 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16387 }\@tempa
16388 \no@bib@break
16389 \else
16390 \usecounter{enumiv}%
16391 \fi
16392 \let\p@enumiv\@empty
16393 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16394 }%
16395 \sloppy\clubpenalty4000 \widowpenalty4000
16396 \sfcode`\.\=@m
16397 }{%
16398 \if@bib@break@
16399 \def\@noitemerr{%
16400 \@latex@warning{%
16401 \string\BreakBibliography\space at begin of `thebibliography'
16402 environment\MessageBreak
16403 or following \string\BreakBibliography}%
16404 }%
16405 \else
16406 \def\@noitemerr{%
16407 \@latex@warning{%
16408 Empty `thebibliography' environment or
16409 \string\BreakBibliography\MessageBreak
16410 before end of `thebibliography' environment}%
16411 }%
16412 \fi
16413 \endlist
16414 \if@bib@break@
16415 \else
16416 \bib@after@hook

```



```

16417 \let\bib@before@hook\@empty
16418 \let\bib@after@hook\@empty
16419 \fi
16420 \bib@endhook
16421 }
16422 \renewcommand*\left@footnoterule{%
16423 \kern-3\p@
16424 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16425 \hrule\@width.4\columnwidth
16426 \kern 2.6\p@}
16427 \renewcommand*\right@footnoterule{%
16428 \kern-3\p@
16429 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16430 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16431 \kern2.6\p@}
16432 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16433 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16434 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16435 \renewcommand\marginline[1]{%
16436 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16437 }
16438 \renewcommand{\@makecaption}[3]{%
16439 \cap@margin
16440 \ifonelinecaptions
16441 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16442 \let\scr@tmp@footnotetext=\@footnotetext
16443 \let\@footnotetext=\@gobble
16444 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16445 \let\@LTRfootnotetext=\@gobble
16446 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16447 \let\@RTLfootnotetext=\@gobble
16448 \sbox\@tempboxa{%
16449 {\capfont{\strut\ignorespaces
16450 #1{\caplabelfont{#2\captionformat}}}%
16451 #3\unskip\strut}}%
16452 }%
16453 \let\@footnotetext=\scr@tmp@footnotetext
16454 \let\scr@tmp@footnotetext=\undefined
16455 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16456 \let\scr@tmp@LTRfootnotetext=\undefined
16457 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16458 \let\scr@tmp@RTLfootnotetext=\undefined
16459 \setcounter{footnote}{\@tempcntb}%
16460 \setcounter{mpfootnote}{\@tempcnta}%
16461 \else
16462 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16463 \fi
16464 \begingroup%
16465 \setlength{\@tempdima}{\cap@width}%
16466 \ifdim \wd\@tempboxa >\@tempdima

```



```

16467 \hb@xt@\hsize{%
16468 \setbox\@tempboxa\vbox{\hsize=\cap@width
16469 \ifdofullc@p
16470 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16471 #1{\caplabelfont{#2\captionformat}}}}}%
16472 {#3\unskip\strut\par}}}%
16473 \else%
16474 \ifdim\cap@indent<\z@
16475 {\capfont{\strut\ignorespaces
16476 #1{\caplabelfont{#2\captionformat\par}}}%
16477 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16478 \else%
16479 \if@capbreak
16480 {\capfont{\strut\ignorespaces
16481 #1{\caplabelfont{#2\captionformat\par}}}%
16482 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16483 \else
16484 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16485 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16486 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16487 \fi
16488 \fi
16489 \fi
16490 }%
16491 \setlength{\@tempdima}{\ht\@tempboxa}%
16492 \addtolength{\@tempdima}{\dp\@tempboxa}%
16493 \addtolength{\@tempdima}{-\ht\strutbox}%
16494 \ht\@tempboxa\ht\strutbox
16495 \dp\@tempboxa\@tempdima
16496 \strut\cap@left
16497 \box\@tempboxa
16498 \cap@right\strut
16499 }%
16500 \else
16501 \global \@minipagefalse
16502 \sbox\@tempboxa{%
16503 {\capfont{\scr@smashdp{\strut\ignorespaces
16504 #1{\caplabelfont{#2\captionformat}}}}}%
16505 #3}}%
16506 }%
16507 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
16508 \fi
16509 \endgroup
16510 }
16511 \renewcommand{\@makecaption}[2]{%
16512 \if@captionabove
16513 \vskip\belowcaptionskip
16514 \else
16515 \vskip\abovecaptionskip
16516 \fi

```



```

16517 \@@makecaption\@firstofone{#1}{#2}%
16518 \if@captionabove
16519   \vskip\abovecaptionskip
16520 \else
16521   \vskip\belowcaptionskip
16522 \fi
16523 }
16524 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16525   \@ifpackageloaded{caption2}{\@komalongtablefalse
16526     \scr@caption@before@longtable@warning{caption2}%
16527   }{}%
16528   \if@komalongtable
16529     \renewcommand{\LT@makecaption}[3]{%
16530       \noalign{%
16531         \if@captionabove
16532           \vskip\belowcaptionskip
16533         \else
16534           \vskip\abovecaptionskip
16535         \fi
16536       }%
16537       \LT@mcol\LT@cols c{%
16538         \hbox to\z@{\hss\parbox[t]{linewidth{%
16539           \@@makecaption{#1}{#2}{#3}%
16540         }\endgraf
16541         \if@captionabove
16542           \vskip\abovecaptionskip
16543         \else
16544           \vskip\belowcaptionskip
16545         \fi
16546       }%
16547       \hss
16548     }%
16549   }%
16550 }%
16551 \renewcommand*{\scr@LT@array}{}%
16552 \let\scr@LT@array=\LT@array
16553 \renewcommand*{\LT@array}{%
16554   \let\scr@caption=\LT@caption
16555   \def\captionabove{\noalign{\global\@captionabovetrue}%
16556     \scr@caption}%
16557   \def\captionbelow{\noalign{\global\@captionabovetrue}%
16558     \scr@caption}%
16559   \if@tablecaptionabove
16560     \let\LT@caption=\captionabove
16561   \else
16562     \let\LT@caption=\captionbelow
16563   \fi
16564   \scr@LT@array
16565 }%
16566 \ClassInfo{KOMAClassName}%

```



```

16567     longtable captions redefined%
16568   }%
16569 \fi
16570 }

```

## 7.103 scrlettr-xetex-bidi.def

```

16571 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for Xe
16572 \renewcommand\deffootnote[4] [] {%
16573   \long\def\@makefnmark##1{%
16574     \edef\@tempa{#1}\ifx\@tempa\@empty
16575       \setpar{\@par
16576         \@tempdima = \hsize
16577         \addtolength{\@tempdima}{-#2}
16578         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16579     \else
16580       \setpar{\@par
16581         \@tempdima = \hsize
16582         \addtolength{\@tempdima}{-#1}
16583         \@tempdimb = \hsize
16584         \addtolength{\@tempdimb}{-#2}
16585         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16586       \fi
16587       \par
16588       \parindent #3\noindent
16589       \hbox to \z@{\hss\@makefnmark}##1}
16590   \def\@makefnmark{\hbox{#4}}
16591 }
16592 \deffootnote[1em]{1.5em}{1em}
16593 {\textsuperscript{\thefootnotemark}}
16594 \def\left@footnoterule{\kern-1\p@
16595   \hrule width 0.4\columnwidth
16596   \kern .6\p@}
16597 \def\right@footnoterule{%
16598   \kern-1\p@
16599   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16600   \kern .6\p@}
16601 \def\@datefield{\@reffalse
16602   \ifx\varyourref\@empty \else \@reftrue \fi
16603   \ifx\varyourmail\@empty \else \@reftrue \fi
16604   \ifx\varmyref\@empty \else \@reftrue \fi
16605   \ifx\varcustomer\@empty \else \@reftrue \fi
16606   \ifx\varinvoice\@empty \else \@reftrue \fi
16607   \ifx\varrefitemi\@empty \else \@reftrue \fi
16608   \ifx\varrefitemii\@empty \else \@reftrue \fi
16609   \ifx\varrefitemiii\@empty \else \@reftrue \fi
16610   \vskip -\parskip
16611   \vskip \refvskip
16612   \if@ref
16613     \ifx\varyourref\@empty \else

```



```

16614 \settowidth{\sc@temp}{\vyourref}
16615 \setbox0\hbox{\scriptsize \sf \yourrefname}
16616 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16617 \parbox[t]{\sc@@temp}{\noindent \box0\par \vyourref}\hfill
16618 \fi
16619 \ifx\vyourmail\@empty \else
16620 \settowidth{\sc@temp}{\vyourmail}
16621 \setbox0\hbox{\scriptsize \sf \yourmailname}
16622 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16623 \parbox[t]{\sc@@temp}{\noindent \box0\par \vyourmail}\hfill
16624 \fi
16625 \ifx\varmyref\@empty \else
16626 \settowidth{\sc@temp}{\varmyref}
16627 \setbox0\hbox{\scriptsize \sf \myrefname}
16628 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16629 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
16630 \fi
16631 \ifx\varcustomer\@empty \else
16632 \settowidth{\sc@temp}{\varcustomer}
16633 \setbox0\hbox{\scriptsize \sf \customername}
16634 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16635 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
16636 \fi
16637 \ifx\varinvoice\@empty \else
16638 \settowidth{\sc@temp}{\varinvoice}
16639 \setbox0\hbox{\scriptsize \sf \invoicename}
16640 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16641 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
16642 \fi
16643 \ifx\varrefitemi\@empty \else
16644 \settowidth{\sc@temp}{\varrefitemi}
16645 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
16646 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16647 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
16648 \fi
16649 \ifx\varrefitemii\@empty \else
16650 \settowidth{\sc@temp}{\varrefitemii}
16651 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
16652 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16653 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
16654 \fi
16655 \ifx\varrefitemiii\@empty \else
16656 \settowidth{\sc@temp}{\varrefitemiii}
16657 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
16658 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16659 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
16660 \fi
16661 \ifx\@date\@empty \else
16662 \settowidth{\sc@temp}{\@date}
16663 \setbox0\hbox{\scriptsize \sf \datename}

```



```

16664 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
16665 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
16666 \fi
16667 \par
16668 \vspace{2.5\baselineskip}
16669 \else
16670 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
16671 \vspace{1.5\baselineskip}
16672 \fi}
16673 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
16674 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
16675 -\sigindent \hspace{\sigindent}}%
16676 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
16677 \fromsig\strut}\par
16678 \vspace{1.5\baselineskip}}

```

## 7.104 scrreprt-xetex-bidi.def

```

16679 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
16680 \newcommand{\scr@saved@LTRfootnotetext}{}
16681 \newcommand{\scr@saved@RTLfootnotetext}{}
16682 \let\scr@saved@footnotetext\@footnotetext
16683 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16684 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16685 \renewcommand{\@footnotetext}[1]{%
16686 \scr@saved@footnotetext{#1}%
16687 \csname FN@mfp@prepare\endcsname
16688 }
16689 \renewcommand{\@LTRfootnotetext}[1]{%
16690 \scr@saved@LTRfootnotetext{#1}%
16691 \csname FN@mfp@prepare\endcsname
16692 }
16693 \renewcommand{\@RTLfootnotetext}[1]{%
16694 \scr@saved@RTLfootnotetext{#1}%
16695 \csname FN@mfp@prepare\endcsname
16696 }
16697 \renewcommand\deffootnote[4][1]{%
16698 \long\def\@makefntext##1{%
16699 \setlength{\@tempdimc}{#3}%
16700 \def\@tempa{#1}\ifx\@tempa\@empty
16701 \setpar{\@par
16702 \@tempdima = \hsize
16703 \addtolength{\@tempdima}{-#2}%
16704 \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16705 \else
16706 \addtolength{\@tempdimc}{#2}%
16707 \addtolength{\@tempdimc}{-#1}%
16708 \setpar{\@par
16709 \@tempdima = \hsize
16710 \addtolength{\@tempdima}{-#1}%

```





```

16711         \@tempdimb = \hsize
16712         \addtolength{\@tempdimb}{-#2}%
16713         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
16714         }%
16715     \fi
16716     \par
16717     \parindent\@tempdimc\noindent
16718     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16719 }%
16720 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16721 }
16722 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16723 \renewcommand*\left@footnoterule{%
16724     \normalsize\ftn@rule@test@values
16725     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16726     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16727     {\usekomafont{footnoterule}{%
16728         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16729     \kern 2.6\p@}
16730 \renewcommand*\right@footnoterule{%
16731     \normalsize\ftn@rule@test@values
16732     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
16733     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16734     {\usekomafont{footnoterule}{%
16735         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
16736         \kern 2.6\p@}
16737 \renewcommand*\maketitle[1][1]{%
16738     \if@titlepage
16739         \begin{titlepage}
16740             \setcounter{page}{%
16741                 #1%
16742             }%
16743             \let\footnotesize\small
16744             \let\right@footnoterule\relax
16745             \let\left@footnoterule\relax
16746             \let\textwidth@footnoterule\relax
16747             \let\footnote\thanks
16748             \let\LTRfootnote\LTRthanks
16749             \let\RTLfootnote\RTLthanks
16750             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16751             \let\@oldmakefnmark\@makefnmark
16752             \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16753             \ifx\@extratitle\@empty \else
16754                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16755                 \thispagestyle{empty}%
16756             \fi
16757             \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
16758             \ifx\@titlehead\@empty \else
16759                 \begin{minipage}[t]{\textwidth}%
16760                     \@titlehead

```



```

16761         \end{minipage}\par
16762     \fi
16763     \null\vfill
16764     \begin{center}
16765         \ifx\@subject\@empty \else
16766             {\subject@font \@subject \par}%
16767             \vskip 3em
16768         \fi
16769         {\titlefont\huge \@title\par}%
16770         \vskip 1em
16771         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16772         \vskip 2em
16773         {\Large \lineskip 0.75em
16774             \begin{tabular}[t]{c}
16775                 \@author
16776             \end{tabular}\par
16777         }%
16778         \vskip 1.5em
16779         {\Large \@date \par}%
16780         \vskip \z@ \@plus3fill
16781         {\Large \@publishers \par}%
16782         \vskip 3em
16783     \end{center}\par
16784     \@thanks
16785     \vfill\null
16786     \if@twoside\next@tpage
16787         \begin{minipage}[t]{\textwidth}
16788             \@uppertitleback
16789         \end{minipage}\par
16790         \vfill
16791         \begin{minipage}[b]{\textwidth}
16792             \@lowertitleback
16793         \end{minipage}
16794     \fi
16795     \ifx\@dedication\@empty \else
16796         \next@tpage\null\vfill
16797         {\centering \Large \@dedication \par}%
16798         \vskip \z@ \@plus3fill
16799         \if@twoside \next@tpage\cleardoubleemptypage \fi
16800     \fi
16801     \end{titlepage}
16802 \else
16803     \par
16804     \@tempcnta=%
16805     #1%
16806     \relax\ifnum\@tempcnta=1\else
16807         \ClassWarning{KOMAClassName}{%
16808             Optional argument of \string\maketitle\space ignored
16809             at\MessageBreak
16810             notitlepage-mode%

```



```

16811     }%
16812 \fi
16813 \beginingroup
16814   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16815   \let\@oldmakefnmark\@makefnmark
16816   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16817   \if@twocolumn
16818     \ifnum \col@number=\@one
16819       \@maketitle
16820     \else
16821       \twocolumn[\@maketitle]%
16822     \fi
16823   \else
16824     \newpage
16825     \global\@topnum\z@
16826     \@maketitle
16827   \fi
16828   \thispagestyle{\titlepagestyle}\@thanks
16829 \endgroup
16830 \fi
16831 \setcounter{footnote}{0}%
16832 \let\thanks\relax
16833 \let\LTRthanks\relax
16834 \let\RTLthanks\relax
16835 \let\maketitle\relax
16836 \let\@maketitle\relax
16837 \global\let\@thanks\@empty
16838 \global\let\@author\@empty
16839 \global\let\@date\@empty
16840 \global\let\@title\@empty
16841 \global\let\@subtitle\@empty
16842 \global\let\@extratitle\@empty
16843 \global\let\@titlehead\@empty
16844 \global\let\@subject\@empty
16845 \global\let\@publishers\@empty
16846 \global\let\@uppertitleback\@empty
16847 \global\let\@lowertitleback\@empty
16848 \global\let\@dedication\@empty
16849 \global\let\author\relax
16850 \global\let\title\relax
16851 \global\let\extratitle\relax
16852 \global\let\titlehead\relax
16853 \global\let\subject\relax
16854 \global\let\publishers\relax
16855 \global\let\uppertitleback\relax
16856 \global\let\lowertitleback\relax
16857 \global\let\dedication\relax
16858 \global\let\date\relax
16859 \global\let\and\relax
16860 }%

```



```

16861 \renewcommand*{\@maketitle}{%
16862   \clearpage
16863   \let\footnote\thanks
16864   \let\LTRfootnote\LTRthanks
16865   \let\RTLfootnote\RTLthanks
16866   \ifx\@extratitle\@empty \else
16867     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16868   \fi
16869   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16870   \ifx\@titlehead\@empty \else
16871     \begin{minipage}[t]{\textwidth}
16872       \@titlehead
16873     \end{minipage}\par
16874   \fi
16875   \null
16876   \vskip 2em%
16877   \begin{center}%
16878     \ifx\@subject\@empty \else
16879       {\subject@font \@subject \par}
16880       \vskip 1.5em
16881     \fi
16882     {\titlefont\huge \@title \par}%
16883     \vskip .5em
16884     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16885     \vskip 1em
16886     {\Large
16887       \lineskip .5em%
16888       \begin{tabular}[t]{c}
16889         \@author
16890       \end{tabular}\par
16891     }%
16892     \vskip 1em%
16893     {\Large \@date \par}%
16894     \vskip \z@ \@plus 1em
16895     {\Large \@publishers \par}
16896     \ifx\@dedication\@empty \else
16897       \vskip 2em
16898       {\Large \@dedication \par}
16899     \fi
16900   \end{center}%
16901   \par
16902   \vskip 2em
16903 }%
16904 \renewcommand*{\l@part[2]}{%
16905   \ifnum \c@tocdepth >-2\relax
16906     \addpenalty{-\@highpenalty}%
16907     \addvspace{2.25em \@plus\p@}%
16908     \setlength{\@tempdima}{2em}%
16909     \if@tocleft
16910       \ifx\toc@l@number\@empty\else

```



```

16911         \setlength\@tempdima{0\toc@l@number}%
16912     \fi
16913 \fi
16914 \begingroup
16915     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16916     \parfillskip -\@pnumwidth
16917     \leavevmode
16918     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16919     \hskip -\if@RTL\rightskip\else\leftskip\fi
16920     {\usekomafont{partentry}{#1\nobreak
16921         \usekomafont{partentrypagenumber}{\hfil\nobreak
16922         \hb@xt@\@pnumwidth{\hss#2}}}\par
16923     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16924     \endgroup
16925     \penalty20010
16926     \else
16927         \penalty\@highpenalty
16928     \endgroup
16929 \fi
16930 \fi
16931 }
16932 \renewcommand*\l@chapter[2]{%
16933     \ifnum \c@tocdepth >\m@ne
16934         \ifnum \lastpenalty<20010
16935             \addpenalty{-\@highpenalty}%
16936         \fi
16937         \vskip 1.0em \@plus\p@
16938         \setlength\@tempdima{1.5em}%
16939         \if@tocleft
16940             \ifx\toc@l@number\empty\else
16941                 \setlength\@tempdima{0\toc@l@number}%
16942             \fi
16943         \fi
16944         \begingroup
16945             \raggedchapterentry
16946         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16947         \parfillskip -\@pnumwidth
16948         \interlinepenalty\@M
16949         \leavevmode
16950         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
16951         {\usekomafont{chapterentry}{#1\nobreak
16952             \usekomafont{chapterentrypagenumber}{%
16953                 \hfill\nobreak
16954                 \hb@xt@\@pnumwidth{\hss#2}}}\par
16955         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
16956         \endgroup
16957         \penalty20009
16958         \else
16959             \penalty\@highpenalty
16960         \endgroup

```



```

16961 \fi
16962 \fi
16963 }
16964 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16965 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16966 \renewcommand*\thesection{%
16967 \thechapter\@SepMark%
16968 \@arabic\c@section
16969 }
16970 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16971 \renewcommand*\thesubsubsection{%
16972 \thesubsection\@SepMark\@arabic\c@subsubsection
16973 }
16974 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16975 \renewcommand*\thesubparagraph{%
16976 \theparagraph\@SepMark\@arabic\c@subparagraph
16977 }
16978 \renewcommand*\thefigure{%
16979 \thechapter\@SepMark%
16980 \@arabic\c@figure
16981 }
16982 \renewcommand*\thetable{%
16983 \thechapter\@SepMark%
16984 \@arabic\c@table
16985 }
16986 \renewcommand*\theequation{%
16987 \thechapter\@SepMark%
16988 \@arabic\c@equation
16989 }
16990 \renewenvironment{thebibliography}[1]{%
16991 \if@bib@break@
16992 \bib@beginhook
16993 \else
16994 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16995 \setchapterpreamble{\bibpreamble}%
16996 \fi\fi
16997 \bib@heading
16998 \bib@beginhook
16999 \bib@before@hook
17000 \fi
17001 \renewcommand{\BreakBibliography}[1]{%
17002 \@bib@break
17003 \end{thebibliography}%
17004 \begingroup ##1\endgroup
17005 \begin{thebibliography}{#1}
17006 }%
17007 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17008 \list{%
17009 \@biblabel{\@arabic\c@enumiv}%
17010 }{%

```



```

17011 \settowidth\labelwidth{\@biblabel{#1}}%
17012 \leftmargin\labelwidth
17013 \advance\leftmargin\labelsep
17014 \@openbib@code
17015 \if@bib@break@
17016 \edef\@tempa{%
17017 \noexpand\usecounter{enumiv}}%
17018 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17019 }\@tempa
17020 \no@bib@break
17021 \else
17022 \usecounter{enumiv}%
17023 \fi
17024 \let\p@enumiv\@empty
17025 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17026 }%
17027 \sloppy\clubpenalty4000 \widowpenalty4000
17028 \sfcode`\.=\@m
17029 }{%
17030 \if@bib@break@
17031 \def\@noitemerr{%
17032 \@latex@warning{%
17033 \string\BreakBibliography\space at begin of `thebibliography'
17034 environment\MessageBreak
17035 or following \string\BreakBibliography}%
17036 }%
17037 \else
17038 \def\@noitemerr{%
17039 \@latex@warning{%
17040 Empty `thebibliography' environment or
17041 \string\BreakBibliography\MessageBreak
17042 before end of `thebibliography' environment}%
17043 }%
17044 \fi
17045 \endlist
17046 \if@bib@break@
17047 \else
17048 \bib@after@hook
17049 \let\bib@before@hook\@empty
17050 \let\bib@after@hook\@empty
17051 \fi
17052 \bib@endhook
17053 }
17054 \renewcommand*\left@footnoterule{%
17055 \kern-3\p@
17056 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17057 \hrule\@width.4\columnwidth
17058 \kern 2.6\p@}
17059 \renewcommand*\right@footnoterule{%
17060 \kern-3\p@

```



```

17061 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17062 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17063 \kern2.6\p@}
17064 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17065 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17066 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17067 \renewcommand\marginline[1]{%
17068 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17069 }
17070 \renewcommand{\@makecaption}[3]{%
17071 \cap@margin
17072 \ifonelinecaptions
17073 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17074 \let\scr@tmp@footnotetext=\@footnotetext
17075 \let\@footnotetext=\@gobble
17076 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17077 \let\@LTRfootnotetext=\@gobble
17078 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17079 \let\@RTLfootnotetext=\@gobble
17080 \sbox\@tempboxa{%
17081 {\capfont{\strut\ignorespaces
17082 #1{\caplabelfont{#2\captionformat}}}%
17083 #3\unskip\strut}}%
17084 }%
17085 \let\@footnotetext=\scr@tmp@footnotetext
17086 \let\scr@tmp@footnotetext=\undefined
17087 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17088 \let\scr@tmp@LTRfootnotetext=\undefined
17089 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17090 \let\scr@tmp@RTLfootnotetext=\undefined
17091 \setcounter{footnote}{\@tempcntb}%
17092 \setcounter{mpfootnote}{\@tempcnta}%
17093 \else
17094 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17095 \fi
17096 \begingroup%
17097 \setlength{\@tempdima}{\cap@width}%
17098 \ifdim \wd\@tempboxa >\@tempdima
17099 \hb@xt@\hsize{%
17100 \setbox\@tempboxa\vbox{\hsize=\cap@width
17101 \ifdofullc@p
17102 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17103 #1{\caplabelfont{#2\captionformat}}}%
17104 #3\unskip\strut\par}}}%
17105 \else%
17106 \ifdim\cap@indent<\z@
17107 {\capfont{\strut\ignorespaces
17108 #1{\caplabelfont{#2\captionformat\par}}}%
17109 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17110 \else%

```





```

17111         \if@capbreak
17112             {\capfont{\strut\ignorespaces
17113                 #1{\caplabelfont{#2\captionformat\par}}}%
17114                 \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17115         \else
17116             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17117                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17118                 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
17119                 \fi
17120             \fi
17121         \fi
17122     }%
17123     \setlength{\@tempdima}{\ht\@tempboxa}%
17124     \addtolength{\@tempdima}{\dp\@tempboxa}%
17125     \addtolength{\@tempdima}{-\ht\strutbox}%
17126     \ht\@tempboxa\ht\strutbox
17127     \dp\@tempboxa\@tempdima
17128     \strut\cap@left
17129     \box\@tempboxa
17130     \cap@right\strut
17131 }%
17132 \else
17133     \global \@minipagefalse
17134     \sbox\@tempboxa{%
17135         {\capfont{\scr@smashdp{\strut\ignorespaces
17136             #1{\caplabelfont{#2\captionformat}}}%
17137             #3}}%
17138     }%
17139     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17140     \fi
17141 \endgroup
17142 }
17143 \renewcommand{\@makecaption}[2]{%
17144     \if@captionabove
17145         \vskip\belowcaptionskip
17146     \else
17147         \vskip\abovecaptionskip
17148     \fi
17149     \@@makecaption\@firstofone{#1}{#2}%
17150     \if@captionabove
17151         \vskip\abovecaptionskip
17152     \else
17153         \vskip\belowcaptionskip
17154     \fi
17155 }
17156 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17157     \@ifpackageloaded{caption2}{\@komalongtablefalse
17158         \scr@caption@before@longtable@warning{caption2}%
17159     }{}%
17160     \if@komalongtable

```



```

17161 \renewcommand{\LT@makecaption}[3]{%
17162     \noalign{%
17163         \if@captionabove
17164             \vskip\belowcaptionskip
17165         \else
17166             \vskip\abovecaptionskip
17167         \fi
17168     }%
17169     \LT@mcol\LT@cols c{%
17170         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17171             @@makecaption{#1}{#2}{#3}%
17172             \endgraf
17173             \if@captionabove
17174                 \vskip\abovecaptionskip
17175             \else
17176                 \vskip\belowcaptionskip
17177             \fi
17178         }%
17179         \hss
17180     }%
17181 }%
17182 }%
17183 \renewcommand*{\scr@LT@array}{}%
17184 \let\scr@LT@array=\LT@array
17185 \renewcommand*{\LT@array}{%
17186     \let\scr@caption=\LT@caption
17187     \def\captionabove{\noalign{\global\@captionabovetrue}%
17188         \scr@caption}%
17189     \def\captionbelow{\noalign{\global\@captionabovefalse}%
17190         \scr@caption}%
17191     \if@tablecaptionabove
17192         \let\LT@caption=\captionabove
17193     \else
17194         \let\LT@caption=\captionbelow
17195     \fi
17196     \scr@LT@array
17197 }%
17198 \ClassInfo{\KOMAClassName}{%
17199     longtable captions redefined%
17200 }%
17201 \fi
17202 }

```

## 7.105 sidecap-xetex-bidi.def

```

17203 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for X
17204 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
17205     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
17206 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
17207 \renewcommand*{\SC@justify@caption}{\if@RTL%

```



```

17208 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
17209 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 7.106 soul-xetex-bidi.def

```

17210 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX et
17211 \long\def\SOUL@start#1{%
17212 \let\bidi@RTL@everypar\@empty
17213 \let\<\SOUL@lowerthan
17214 \let\>\empty
17215 \def\soulomit{\noexpand\soulomit}%
17216 \gdef\SOUL@eventuallyxhyphen##1{%
17217 \let\SOUL@soeventuallyskip\relax
17218 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
17219 \@minus\fontdimen4\font
17220 \SOUL@ignorespacesfalse
17221 \leavevmode
17222 \SOUL@preamble
17223 \SOUL@lasttoken={}%
17224 \SOUL@word={}%
17225 \SOUL@minus\z@
17226 \SOUL@comma\z@
17227 \SOUL@apo\z@
17228 \SOUL@grave\z@
17229 \SOUL@do{#1}%
17230 \SOUL@postamble
17231 }}
17232 \def\SOUL@ulunderline#1{%
17233 \setbox\z@\hbox{#1}%
17234 \dimen@=\wd\z@
17235 \dimen@i=\SOUL@uloverlap
17236 \advance\dimen@2\dimen@i
17237 \if@RTL
17238 \unhcopy\z@
17239 \llap{%
17240 \null
17241 \kern-\dimen@i
17242 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17243 }%
17244 \else
17245 \rlap{%
17246 \null
17247 \kern-\dimen@i
17248 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
17249 }%
17250 \unhcopy\z@
17251 \fi
17252 }}
17253 \def\bidi@SOUL@ulleaders{%
17254 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\rela

```



```

17255 }
17256 \def\SOUL@uleveryspace#1{%
17257     \if@RTL
17258         #1%
17259         \bidi@SOUL@ulleaders
17260         \hskip\spaceskip
17261     \else
17262         \SOUL@ulcolor{%
17263             #1%
17264             \SOUL@ulleaders
17265             \hskip\spaceskip
17266         }%
17267     \fi
17268     \null
17269 }

```

## 7.107 stabular-xetex-bidi.def

```

17270 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
17271 \def\@stabular{\if@RTL\@RTLtabtrue\fi
17272     \leavevmode \bgroup \if@RTLtab\beginR \fi
17273     \let\@acol\@tabacol
17274     \let\@classz\@tabclassz
17275     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
17276 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17277     \egroup \if@RTLtab\endR\fi\egroup
17278     \@RTLtabfalse}
17279 \expandafter \let \csname endstabular*\endcsname = \endstabular
17280 \def\@sarray[#1]#2{%
17281     \bgroup
17282     \setbox\@arstrutbox\hbox{%
17283         \vrule \@height\arraystretch\ht\strutbox
17284         \@depth\arraystretch \dp\strutbox
17285         \@width\z@}%
17286     \@mkpream{#2}%
17287     \edef\@preamble{%
17288         \ialign \noexpand\@halignto
17289             \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17290     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17291     \let\tabularnewline\\%
17292     \let\@sharp##%
17293     \set@typeset@protect
17294     \lineskip\z@skip\baselineskip\z@skip
17295     \if@RTLtab\hbox\bgroup\beginR\if #1\vtop \else \vbox \fi\bgroup\fi
17296     \@preamble}

```

## 7.108 subfigure-xetex-bidi.def

```

17297 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
17298 \AtBeginDocument{%
17299 \let\p@subfigure=\thefigure

```



```

17300 \let\p@subtable=\thetable%
17301 }

```

## 7.109 tabs-xetex-bidi.def

```

17302 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
17303 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
17304         \@RTLtabfalse}
17305
17306 \expandafter\let\csname endtabular*\endcsname=\endtabular
17307
17308 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
17309     \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
17310     \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
17311
17312 \def\@array[#1]#2{% remember global variables to allow recursion:
17313     \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
17314         \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
17315     \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
17316     \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
17317     \else \let\@tarlinesep\tablinesep \fi
17318     \divide\@tarlinesep\tw@ % half sep is applied to height & depth
17319     \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
17320     \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
17321     \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
17322         \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
17323         \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
17324     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
17325         \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
17326     \let\protect\noexpand
17327     \edef\@preamble{\ialign \noexpand\@halignto \bgroup
17328         \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
17329     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17330     \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17331     \bgroup \let\par\empty
17332     \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
17333     \advance\extrarulesep.5\arrayrulewidth
17334     \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
17335     \if@RTLtab\hbox\bgroup\beginR\if#1t\vtop \else \vbox \fi\bgroup\fi
17336     \@preamble}

```

## 7.110 tabularx-xetex-bidi.def

```

17337 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for XeTeX]
17338 \def\TX@endtabularx{%
17339     \expandafter\expandafter\expandafter
17340         \TX@find@endtabularxa\csname end\TX@\endcsname
17341         \endtabularx\TX@\endtabularx\TX@find@endtabularxa
17342     \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
17343     \let\verb\TX@verb
17344     \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%

```



```

17345 \edef\TX@ckpt{\cl@ckpt}%
17346 \let\@elt\relax
17347 \TX@old@table\maxdimen
17348 \TX@col@width\TX@target
17349 \global\TX@cols\@ne
17350 \TX@typeout@
17351 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
17352 \TX@trial{\def\NC@rewrite@X{%
17353 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
17354 \loop
17355 \TX@arith
17356 \ifTX@
17357 \TX@trial{%
17358 \repeat
17359 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
17360 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
17361 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
17362 \csname tabular*\expandafter\endcsname\expandafter\TX@target
17363 \the\toks@
17364 \csname endtabular*\endcsname}%
17365 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
17366 \ifnum0=`\fi}%
17367 \expandafter\expandafter\expandafter
17368 \TX@find@endtabularxbb
17369 \expandafter\end\expandafter{\TX@}%
17370 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
17371 }
17372
17373 \def\TX@trial#1{%
17374 \setbox\@tempboxa\hbox{%
17375 #1\relax
17376 \let\@footnotetext\TX@trial@ftn
17377 \let\@LTRfootnotetext\TX@trial@ftn
17378 \let\@RTLfootnotetext\TX@trial@ftn
17379 \let\TX@vwarn\@empty
17380 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
17381 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
17382 \def\write{\begingroup
17383 \def\let{\afterassignment\endgroup\toks@}%
17384 \afterassignment\let\count@}%
17385 \hbadness\@M
17386 \hfuzz\maxdimen
17387 \let\hbadness\@tempcnta
17388 \let\hfuzz\@tempdima
17389 \expandafter\tabular\the\toks@
17390 \endtabular}%
17391 \TX@ckpt
17392 \TX@typeout@{\@spaces
17393 \expandafter\TX@align
17394 \the\wd\@tempboxa\space\space\space\space\space\space\@}

```



```

17395 \expandafter\TX@align
17396 \the\TX@col@width\space\space\space\space\space\@@
17397 \@spaces\the\TX@cols}}
17398
17399 \long\def\TX@LTRftntext#1{%
17400 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
17401 [\the\csname c@\@mpfn\endcsname]]}%
17402 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17403 \long\def\TX@xLTRftntext[#1]#2{%
17404 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
17405
17406 \long\def\TX@RTLftntext#1{%
17407 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
17408 [\the\csname c@\@mpfn\endcsname]]}%
17409 \global\TX@ftn\expandafter{\@tempa{#1}}}%
17410 \long\def\TX@xRTLftntext[#1]#2{%
17411 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

## 7.111 tabulary-xetex-bidi.def

```

17412 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
17413 \def\@testpach{\@chclass
17414 \ifnum \@lastchclass=6 \one \@chnum \one \else
17415 \ifnum \@lastchclass=7 5 \else
17416 \ifnum \@lastchclass=8 \tw@ \else
17417 \ifnum \@lastchclass=9 \thr@@
17418 \else \z@
17419 \ifnum \@lastchclass = 10 \else
17420 \edef\@nextchar{\expandafter\string\@nextchar}%
17421 \@chnum
17422 \if \@nextchar c\z@ \else
17423 \if \@nextchar \if@RTLtab r\else l\fi\one \else
17424 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
17425 \if \@nextchar C7 \else
17426 \if \@nextchar L8 \else
17427 \if \@nextchar R9 \else
17428 \if \@nextchar J10 \else
17429 \z@ \@chclass
17430 \if \@nextchar |\@one \else
17431 \if \@nextchar !6 \else
17432 \if \@nextchar @7 \else
17433 \if \@nextchar <8 \else
17434 \if \@nextchar >9 \else
17435 10
17436 \@chnum
17437 \if \@nextchar m\thr@@\else
17438 \if \@nextchar p4 \else
17439 \if \@nextchar b5 \else
17440 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
17441 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```



## 7.112 tc-xetex-bidi.def

```
17442 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
17443 \def\@cliptoboxdim#1{%
17444     \setbox#1=\hbox{%
17445         \Gin@defaultbp\WIDTH{\wd#1}%
17446         \Gin@defaultbp\DEPTH{\dp#1}%
17447         \@tempdima\ht#1%
17448         \advance\@tempdima\dp#1%
17449         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
17450         \beginL\special{pdf:bcontent }%
17451         \special{%
17452             pdf:literal direct
17453             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
17454         }%
17455         \special{pdf:literal direct W }%
17456         \special{pdf:literal direct n }%
17457         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
17458         \special{pdf:econtent }\endL%
17459     }%
17460 }
```

## 7.113 titlesec-xetex-bidi.def

```
17461 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
17462 \renewcommand\filright{%
17463     \gdef\ttl@filleft##1{\hskip##1}%
17464     \gdef\ttl@filright##1{\hfill}%
17465     \let\\\@centercr
17466     \advance\rightskip\z@ \@plus 1fil
17467     \parfillskip\z@}
17468 \def\ttlhang#1#2#3#4#5#6#7#8{%
17469     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
17470     \setlength\leftskip{#6}%
17471     \setlength\rightskip{#7}%
17472     \interlinepenalty\@M
17473     \ttl@changeentercr
17474     \ttl@beginlongest
17475     #1{\ifhmode\ttl@hmode@error\fi
17476         \ttl@glcmds
17477         \parindent\z@
17478         \leavevmode
17479         \begingroup
17480         \ifttl@label
17481             \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
17482             \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
17483             \llap{\box\z@}%
17484         \fi
17485         #4{#8}%
17486         \kern\z@\strut\@par
17487     \endgroup}
```





```

17488 \nobreak\ttl@midlongest#5\@@par}%
17489 \ttl@endlongest}

```

## 7.114 titletoc-xetex-bidi.def

```

17490 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
17491 \renewcommand\filright{%
17492 \gdef\ttl@filleft##1{\hskip##1}%
17493 \gdef\ttl@filright##1{\hfill}%
17494 \let\\@centercr
17495 \advance\rightskip\z@ \@plus 1fil
17496 \parfillskip\z@}
17497 \renewcommand\contentspush[1]{%
17498 \sbox\z@{#1}%
17499 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
17500 \aftergroup\ttl@b
17501 \leavevmode\llap{\box\z@}}
17502 \def\ttl@outnoblock#1#2#3{%
17503 \begingroup
17504 \ifnum\ttl@b>\ttl@a
17505 \nobreak
17506 \else\ifnum\ttl@b<\ttl@a
17507 \addpenalty{\@secpenalty}%
17508 \else
17509 \addpenalty{\z@}%
17510 \fi\fi
17511 \ttl@contentsstretch
17512 \nobreak
17513 \ifcase#1\relax\else\interlinepenalty\@M\fi
17514 \parindent\z@
17515 \ifx\@nil#2%
17516 \PackageError{titletoc}{Unimplemented}%
17517 {The optional argument is currently mandatory}%
17518 \else
17519 \if@RTL\setlength\rightskip{#2}\else
17520 \setlength\leftskip{#2}\fi%
17521 \fi
17522 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
17523 \let\contentsmargin\ttl@margin
17524 \def\ttl@makeline##1{##1}%
17525 #3%
17526 \addtolength{\parfillskip}{-\ttl@corr}%
17527 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
17528 \let\ttl@leaders\leaders}
17529 \renewcommand\ttl@margin[2][\z@]{%
17530 \def\ttl@corr{#1}%
17531 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
17532 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
17533 \def\@pnumwidth{#2}}
17534 \let\ttl@savel@part\l@part

```



```

17535 \def\l@part{\ttl@lselect{part}}
17536
17537 \let\ttl@savel@chapter\l@chapter
17538 \def\l@chapter{\ttl@lselect{chapter}}

```

## 7.115 tocbibind-xetex-bidi.def

```

17539 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package f
17540 \if@dotocbib
17541   \ifpackageloaded{natbib}{}{% natbib not loaded
17542     \renewcommand{\bibsection}{\t@cb@bchapsec}
17543     \renewenvironment{thebibliography}[1]{%
17544       \bibsection
17545       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
17546   \renewenvironment{thebibitemlist}[1]{
17547     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17548     \list{\@biblabel{\@arabic\c@enumiv}}{%
17549       {\settowidth\labelwidth{\@biblabel{#1}}%
17550        \leftmargin\labelwidth
17551        \advance\leftmargin\labelsep
17552        \@openbib@code
17553        \usecounter{enumiv}%
17554        \let\p@enumiv\@empty
17555        \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
17556     \sloppy
17557     \clubpenalty4000
17558     \@clubpenalty \clubpenalty
17559     \widowpenalty4000%
17560     \sfcode`\.\@m}
17561   {\def\@noitemerr
17562     {\@latex@warning{Empty `thebibliography' environment}}}%
17563   \endlist}
17564
17565   \ifpackagewith{chapterbib}{sectionbib}%
17566     {\renewcommand{\sectionbib}[2]{}}%
17567     {}
17568
17569 \fi
17570 \if@inltxdoc\else
17571   \renewenvironment{theindex}%
17572     {\if@twocolumn
17573       \@restonecolfalse
17574       \else
17575         \@restonecoltrue
17576       \fi
17577     \if@bibchapter
17578       \if@donumindex
17579         \refstepcounter{chapter}
17580         \twocolumn[\vspace*{2\topskip}%
17581           \@makechapterhead{indexname}}}%

```



```

17582 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
17583 \chaptermark{\indexname}
17584 \else
17585 \if@dotocind
17586 \twocolumn[\vspace*{2\topskip}%
17587 \@makeschapterhead{\indexname}]%
17588 \prw@mkboth{\indexname}
17589 \addcontentsline{toc}{chapter}{\indexname}
17590 \else
17591 \twocolumn[\vspace*{2\topskip}%
17592 \@makeschapterhead{\indexname}]%
17593 \prw@mkboth{\indexname}
17594 \fi
17595 \fi
17596 \else
17597 \if@donumindex
17598 \twocolumn[\vspace*{-1.5\topskip}%
17599 \@nameuse{\@tocextra}{\indexname}]%
17600 \csname \@tocextra mark\endcsname{\indexname}
17601 \else
17602 \if@dotocind
17603 \twocolumn[\vspace*{-1.5\topskip}%
17604 \toc@headstar{\@tocextra}{\indexname}]%
17605 \prw@mkboth{\indexname}
17606 \addcontentsline{toc}{\@tocextra}{\indexname}
17607 \else
17608 \twocolumn[\vspace*{-1.5\topskip}%
17609 \toc@headstar{\@tocextra}{\indexname}]%
17610 \prw@mkboth{\indexname}
17611 \fi
17612 \fi
17613 \fi
17614 \thispagestyle{plain}\parindent\z@
17615 \parskip\z@ \@plus .3\p@\relax
17616 \let\item\@idxitem}
17617 {\if@restonecol\onecolumn\else\clearpage\fi}
17618 \fi

```

## 7.116 tocloft-xetex-bidi.def

```

17619 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
17620 \let\cftdot\@SepMark
17621 \if@cfthaspart
17622 \renewcommand*{\l@part}[2]{
17623 \@cftdopartfalse
17624 \ifnum \c@tocdepth >-2\relax
17625 \if@cfthaschapter
17626 \@cftdoparttrue
17627 \fi
17628 \ifnum \c@tocdepth >\m@ne

```



```

17629     \if@cfthaschapter\else
17630         \cftdoparttrue
17631     \fi
17632 \fi
17633 \fi
17634 \if@cftdopart
17635     \if@cfthaschapter
17636         \addpenalty{-\@highpenalty}
17637     \else
17638         \addpenalty\@secpenalty
17639     \fi
17640     \addvspace{\cftbeforepartskip}
17641     \begingroup
17642         {\if@RTL\rightright\else\leftskip\fi \cftpartindent\relax
17643         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17644         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17645         \parindent \cftpartindent\relax\@afterindenttrue
17646         \interlinepenalty\@M
17647         \leavevmode
17648         \@tempdima \cftpartnumwidth\relax
17649         \let\@cftbsnum \cftpartpresnum
17650         \let\@cftasnum \cftpartaftersnum
17651         \let\@cftasnumb \cftpartaftersnumb
17652         \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
17653         {\cftpartfont \cftpartpresnum #1}
17654         \cftpartfillnum{#2}}
17655     \nobreak
17656     \if@cfthaschapter
17657         \global\@nobreaktrue
17658         \everypar{\global\@nobreakfalse\everypar{}}
17659     \else
17660         \if@compatibility
17661             \global\@nobreaktrue
17662             \everypar{\global\@nobreakfalse\everypar{}}
17663         \fi
17664     \fi
17665 \endgroup
17666 \fi}
17667 \fi
17668 \if@cfthaschapter
17669 \renewcommand*{\l@chapter}[2]{
17670     \ifnum \c@tocdepth >\m@ne
17671         \addpenalty{-\@highpenalty}
17672         \vskip \cftbeforechapskip
17673         {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
17674         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17675         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17676         \parindent \cftchapindent\relax\@afterindenttrue
17677         \interlinepenalty\@M
17678         \leavevmode

```



```

17679 \@tempdima \cftchapnumwidth\relax
17680 \let\@cftbsnum \cftchappresnum
17681 \let\@cftasnum \cftchapaftersnum
17682 \let\@cftasnumb \cftchapaftersnumb
17683 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17684 {\cftchapfont #1}\nobreak
17685 \cftchapfillnum{#2}}
17686 \fi}
17687 \fi
17688 \renewcommand*{\l@section}[2]{%
17689 \ifnum \c@tocdepth >\z@
17690 \ifcftaschapter
17691 \vskip \cftbeforesecskip
17692 \else
17693 \addpenalty\@secpenalty
17694 \addvspace{\cftbeforesecskip}
17695 \fi
17696 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
17697 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17698 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17699 \parindent \cftsecindent\relax\@afterindenttrue
17700 \interlinepenalty\@M
17701 \leavevmode
17702 \@tempdima \cftsecnumwidth\relax
17703 \let\@cftbsnum \cftsecpresnum
17704 \let\@cftasnum \cftsecaftersnum
17705 \let\@cftasnumb \cftsecaftersnumb
17706 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17707 {\cftsecfont #1}\nobreak
17708 \cftsecfillnum{#2}}
17709 \fi}
17710 \renewcommand*{\l@subsection}[2]{%
17711 \ifnum \c@tocdepth >\@ne
17712 \vskip \cftbeforesubsecskip
17713 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
17714 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17715 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17716 \parindent \cftsubsecindent\relax\@afterindenttrue
17717 \interlinepenalty\@M
17718 \leavevmode
17719 \@tempdima \cftsubsecnumwidth\relax
17720 \let\@cftbsnum \cftsubsecpresnum
17721 \let\@cftasnum \cftsubsecaftersnum
17722 \let\@cftasnumb \cftsubsecaftersnumb
17723 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17724 {\cftsubsecfont #1}\nobreak
17725 \cftsubsecfillnum{#2}}
17726 \fi}
17727 \renewcommand*{\l@subsubsection}[2]{%
17728 \ifnum \c@tocdepth >\tw@

```



```

17729 \vskip \cftbeforesubsubsecskip
17730 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
17731 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17732 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17733 \parindent \cftsubsubsecindent\relax\@afterindenttrue
17734 \interlinepenalty\@M
17735 \leavevmode
17736 \@tempdima \cftsubsubsecnumwidth\relax
17737 \let\@cftbsnum \cftsubsubsecpresnum
17738 \let\@cftasnum \cftsubsubsecaftersnum
17739 \let\@cftasnumb \cftsubsubsecaftersnumb
17740 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17741 {\cftsubsubsecfont #1}\nobreak
17742 \cftsubsubsecfillnum{#2}}
17743 \fi}
17744 \renewcommand*{\l@paragraph}[2]{%
17745 \ifnum \c@tocdepth >3\relax
17746 \vskip \cftbeforeparaskip
17747 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
17748 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17749 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17750 \parindent \cftparaindent\relax\@afterindenttrue
17751 \interlinepenalty\@M
17752 \leavevmode
17753 \@tempdima \cftparanumwidth\relax
17754 \let\@cftbsnum \cftparapresnum
17755 \let\@cftasnum \cftparaaftersnum
17756 \let\@cftasnumb \cftparaaftersnumb
17757 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17758 {\cftparafont #1}\nobreak
17759 \cftparafillnum{#2}}
17760 \fi}
17761 \renewcommand*{\l@subparagraph}[2]{%
17762 \ifnum \c@tocdepth >4\relax
17763 \vskip \cftbeforesubparaskip
17764 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
17765 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17766 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17767 \parindent \cftsubparaindent\relax\@afterindenttrue
17768 \interlinepenalty\@M
17769 \leavevmode
17770 \@tempdima \cftsubparanumwidth\relax
17771 \let\@cftbsnum \cftsubparapresnum
17772 \let\@cftasnum \cftsubparaaftersnum
17773 \let\@cftasnumb \cftsubparaaftersnumb
17774 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
17775 {\cftsubparafont #1}\nobreak
17776 \cftsubparafillnum{#2}}
17777 \fi}
17778 \renewcommand*{\l@figure}[2]{%

```



```

17779 \ifnum \c@lofdepth >\z@
17780 \vskip \cftbeforefigskip
17781 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
17782 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17783 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17784 \parindent \cftfigindent\relax\@afterindenttrue
17785 \interlinepenalty\@M
17786 \leavevmode
17787 \@tempdima \cftfignumwidth\relax
17788 \let\@cftbsnum \cftfigpresnum
17789 \let\@cftasnum \cftfigaftersnum
17790 \let\@cftasnumb \cftfigaftersnumb
17791 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17792 {\cftfigfont #1}\nobreak
17793 \cftfigfillnum{#2}}
17794 \fi
17795 }
17796 \renewcommand*{\l@table}[2]{%
17797 \ifnum\c@lotdepth >\z@
17798 \vskip \cftbeforetabskip
17799 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
17800 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17801 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17802 \parindent \cfttabindent\relax\@afterindenttrue
17803 \interlinepenalty\@M
17804 \leavevmode
17805 \@tempdima \cfttabnumwidth\relax
17806 \let\@cftbsnum \cfttabpresnum
17807 \let\@cftasnum \cfttabaftersnum
17808 \let\@cftasnumb \cfttabaftersnumb
17809 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17810 {\cfttabfont #1}\nobreak
17811 \cfttabfillnum{#2}}
17812 \fi
17813 }
17814 \renewcommand{\@cftl@subfig}{
17815 \renewcommand*{\l@subfigure}[2]{%
17816 \ifnum \c@lofdepth > \toclevel@subfigure
17817 \vskip \cftbeforesubfigskip
17818 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
17819 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17820 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17821 \parindent \cftsubfigindent\relax\@afterindenttrue
17822 \interlinepenalty\@M
17823 \leavevmode
17824 \@tempdima \cftsubfignumwidth\relax
17825 \let\@cftbsnum \cftsubfigpresnum
17826 \let\@cftasnum \cftsubfigaftersnum
17827 \let\@cftasnumb \cftsubfigaftersnumb
17828 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski

```



```

17829     {\cftsubfigfont ##1}\nobreak
17830     \cftsubfigfillnum{##2}}
17831   \fi
17832 }
17833 }
17834 \renewcommand{\@cftl@subtab}{
17835 \renewcommand*{\l@subtable}[2]{%
17836   \ifnum \c@lotdepth > \toclevel@subtable
17837     \vskip \cftbeforesubtabskip
17838     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
17839     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17840     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17841     \parindent \cftsubtabindent\relax\@afterindenttrue
17842     \interlinepenalty\@M
17843     \leavevmode
17844     \@tempdima \cftsubtabnumwidth\relax
17845     \let\@cftbsnum \cftsubtabpresnum
17846     \let\@cftasnum \cftsubtabaftersnum
17847     \let\@cftasnumb \cftsubtabaftersnumb
17848     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
17849     {\cftsubtabfont ##1}\nobreak
17850     \cftsubtabfillnum{##2}}
17851   \fi
17852 }
17853 }
17854 \renewcommand{\newlistentry}[4][\@empty]{%
17855   \@ifundefined{c@#2}{%    check & set the counter
17856     \ifx \@empty#1\relax
17857       \newcounter{#2}
17858     }else
17859       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
17860         {#1 has no counter for use as a `within'}
17861         \newcounter{#2}}{%
17862         {\newcounter{#2}[#1]%
17863         \expandafter\edef\csname the#2\endcsname{%
17864         \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}}
17865     \fi
17866     \setcounter{#2}{0}
17867   }
17868   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
17869 }
17870 \@namedef{l@#2}##1##2{%
17871   \ifnum \@nameuse{c@#3depth} > #4\relax
17872     \vskip \@nameuse{cftbefore#2skip}
17873     {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
17874     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
17875     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
17876     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
17877     \interlinepenalty\@M
17878     \leavevmode

```





```

17879      \@tempdima \@nameuse{cft#2numwidth}\relax
17880      \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
17881      \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
17882      \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
17883      \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightsk
17884      {\@nameuse{cft#2font}##1}\nobreak
17885      \@nameuse{cft#2fillnum}{##2}}
17886      \fi
17887  } % end of \l@#2
17888
17889  \expandafter\newlength\csname cftbefore#2skip\endcsname
17890      \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
17891  \expandafter\newlength\csname cft#2indent\endcsname
17892  \expandafter\newlength\csname cft#2numwidth\endcsname
17893  \ifcase #4\relax % 0
17894      \setlength{\@nameuse{cft#2indent}}{0em}
17895      \setlength{\@nameuse{cft#2numwidth}}{1.5em}
17896  \or % 1
17897      \setlength{\@nameuse{cft#2indent}}{1.5em}
17898      \setlength{\@nameuse{cft#2numwidth}}{2.3em}
17899  \or % 2
17900      \setlength{\@nameuse{cft#2indent}}{3.8em}
17901      \setlength{\@nameuse{cft#2numwidth}}{3.2em}
17902  \or % 3
17903      \setlength{\@nameuse{cft#2indent}}{7.0em}
17904      \setlength{\@nameuse{cft#2numwidth}}{4.1em}
17905  \else % anything else
17906      \setlength{\@nameuse{cft#2indent}}{10.0em}
17907      \setlength{\@nameuse{cft#2numwidth}}{5.0em}
17908  \fi
17909  \@namedef{cft#2font}{\normalfont}
17910  \@namedef{cft#2presnum}{\}
17911  \@namedef{cft#2aftersnum}{\}
17912  \@namedef{cft#2aftersnumb}{\}
17913  \@namedef{cft#2dotsep}{\cftdotsep}
17914  \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
17915  \@namedef{cft#2pagefont}{\normalfont}
17916  \@namedef{cft#2afterpnum}{\}
17917  \@namedef{toclevel@#2}{#4}
17918  \@namedef{cft#2fillnum}##1{%
17919      {\@nameuse{cft#2leader}}\nobreak
17920      \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
17921  } % end \newlistentry
17922  \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
17923      {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
17924      \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
17925      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
17926      \textit{#1}\protect\par}}}

```



## 7.117 tocstyle-xetex-bidi.def

```

17927 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
17928 \renewcommand*{\tocstyle@dottedtocline}[5]{%
17929   \let\numberline\tocstyle@numberline
17930   \ifnum #1>\c@tocdepth \else
17931     \if@tocstyle@penalties
17932       \begingroup
17933         \@tempcnta 20010
17934         \advance \@tempcnta by -#1
17935         \ifnum \@tempcnta>\lastpenalty
17936           \aftergroup\penalty\aftergroup\@lowpenalty
17937         \fi
17938       \endgroup
17939     \fi
17940     \edef\tocstyledepth{#1}%
17941     \tocstyle@activate@features
17942     \ifx\tocstyle@feature@entryvskip\relax
17943       \vskip \z@ \@plus.2\p@
17944     \else
17945       \addvspace{\tocstyle@feature@entryvskip}%
17946     \fi
17947     {%
17948     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
17949       \tocstyle@feature@raggedhook
17950       \@tempdima #3\relax
17951       \@tempdimb #2\relax
17952       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17953       \ifnum #1>\z@\relax
17954         \@tempcnta #1\relax \advance\@tempcnta \m@ne
17955         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17956           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17957             \@tempdimb
17958             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17959             \advance\@tempdimb
17960             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
17961           \fi
17962         \fi
17963       \fi
17964       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17965       \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
17966         \ifdim \@tempdimb>
17967           \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
17968           \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17969             @#1\endcsname{\the\@tempdimb}%
17970         \fi
17971       \else
17972         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
17973           @#1\endcsname{\the\@tempdimb}%
17974       \fi

```



```

17975 \iftocstyle@autolength
17976 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17977 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
17978 \relax
17979 \fi
17980 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
17981 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
17982 \relax
17983 \fi
17984 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
17985 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17986 \else
17987 \@tempdimb #2\relax
17988 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
17989 \fi
17990 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
17991 \ifdim \@tempdima>
17992 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
17993 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
17994 @\endcsname{\the\@tempdima}%
17995 \fi
17996 \else
17997 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
17998 @\endcsname{\the\@tempdima}%
17999 \fi
18000 \ifcase\tocstyle@indentstyle\relax\else
18001 \@tempdimb \z@
18002 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18003 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
18004 \relax
18005 \fi
18006 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
18007 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
18008 \fi
18009 \advance\parindent \@tempdimb\@afterindenttrue
18010 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
18011 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18012 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18013 \ifx\tocstyle@feature@parfillskip\relax\else
18014 \advance\parfillskip \tocstyle@feature@parfillskip\relax
18015 \fi
18016 \interlinepenalty\@M
18017 \leavevmode
18018 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
18019 \null\nobreak
18020 \iftocstyle@indentnotnumbered\else
18021 \hskip -\if@RTL\rightskip\else\leftskip\fi
18022 \fi
18023 \tocstyle@feature@entryhook
18024 {#4}\nobreak

```



```

18025 \ifx\tocstyle@feature@leaders\relax
18026 \leaders\hbox{$\m@th
18027 \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}%
18028 \mkern \dotsep mu$}\hfill
18029 \else
18030 \tocstyle@feature@leaders
18031 \fi
18032 \nobreak
18033 \ifx\tocstyle@feature@pagenumberbox\relax
18034 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
18035 \else
18036 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
18037 \fi
18038 \par
18039 }%
18040 \if@tocstyle@penalties
18041 \bgroup
18042 \@tempcnta 20009
18043 \advance\@tempcnta by -#1
18044 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
18045 \reserved@a
18046 \fi
18047 \fi}
18048 \renewcommand*{\tocstyle@numberline}[1]{%
18049 \begingroup
18050 \ifx\tocstyle@feature@spaceafternumber\relax
18051 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
18052 \else
18053 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
18054 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
18055 \fi
18056 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
18057 \ifdim \@tempdima >
18058 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
18059 \expandafter\edef\csname tocstyle@numwidth@\tocstyleTOC
18060 @\tocstyledepth\endcsname{\the\@tempdima}%
18061 \fi
18062 \else
18063 \expandafter\edef\csname tocstyle@numwidth@\tocstyleTOC
18064 @\tocstyledepth\endcsname{\the\@tempdima}%
18065 \fi
18066 \endgroup
18067 \iftocstyle@indentnotnumbered
18068 \hskip -\if@RTL\rightskip\else\leftskip\fi
18069 \fi
18070 \ifcase \tocstyle@indentstyle
18071 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
18072 \or
18073 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
18074 \else

```



```

18075 \ifx\tocstyle@feature@spaceafternumber\relax
18076 \hbox{\tocstyle@@numberline{#1}\enskip}%
18077 \else
18078 \hbox{\tocstyle@@numberline{#1}\hskip
18079 \tocstyle@feature@spaceafternumber\relax}%
18080 \fi
18081 \fi
18082 }
18083 \AtBeginDocument{%
18084 \ifcsname l@part\endcsname
18085 \ifcsname l@chapter\endcsname
18086 \setbox\@tempboxa\vbox{\hsize\maxdimen
18087 \l@part{\tocstyle@l@define{part}{-1}}{}}%
18088 \else
18089 \setbox\@tempboxa\vbox{\hsize\maxdimen
18090 \l@part{\tocstyle@l@define{part}{0}}{}}%
18091 \fi
18092 \fi
18093 \ifcsname l@chapter\endcsname
18094 \setbox\@tempboxa\vbox{\hsize\maxdimen
18095 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
18096 \fi
18097 \ifcsname l@section\endcsname
18098 \setbox\@tempboxa\vbox{\hsize\maxdimen
18099 \l@section{\tocstyle@l@define{section}{1}}{}}%
18100 \fi
18101 \ifcsname l@subsection\endcsname
18102 \setbox\@tempboxa\vbox{\hsize\maxdimen
18103 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
18104 \fi
18105 \ifcsname l@subsubsection\endcsname
18106 \setbox\@tempboxa\vbox{\hsize\maxdimen
18107 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
18108 \fi
18109 \ifcsname l@paragraph\endcsname
18110 \setbox\@tempboxa\vbox{\hsize\maxdimen
18111 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
18112 \fi
18113 \ifcsname l@subparagraph\endcsname
18114 \setbox\@tempboxa\vbox{\hsize\maxdimen
18115 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
18116 \fi
18117 \ifcsname l@table\endcsname
18118 \setbox\@tempboxa\vbox{\hsize\maxdimen
18119 \l@table{\tocstyle@l@define{table}{1}}{}}%
18120 \fi
18121 \ifcsname l@figure\endcsname
18122 \setbox\@tempboxa\vbox{\hsize\maxdimen
18123 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
18124 \fi

```



```

18125 \def\@tempa#1#2#3#4#5{%
18126   \ifnum #1>\c@tocdepth \else
18127     \vskip \z@ \@plus.2\p@
18128     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18129     \parindent #2\relax\@afterindenttrue
18130     \interlinepenalty\@M
18131     \leavevmode
18132     \@tempdima #3\relax
18133     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
18134     {#4}\nobreak
18135     \leaders\hbox{$\m@th
18136       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18137       mu$}\hfill
18138     \nobreak
18139     \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
18140     \par}%
18141   \fi}%
18142 \ifx\@dottedtocline\@tempa\else
18143   \tocstyle@macrochangewarning\@dottedtocline
18144 \fi
18145 \let\tocstyle@saved@dottedtocline\@dottedtocline
18146 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
18147 \ifx\numberline\@tempa\else
18148   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
18149   \ifx\numberline\@tempa\else
18150     \tocstyle@macrochangewarning\numberline
18151   \fi
18152 \fi
18153 \let\tocstyle@saved@numberline\numberline
18154 }
18155 \renewcommand*{\tocstyle@l@define}[2]{%
18156   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
18157   \edef\@tempa{%
18158     \noexpand\global\noexpand\let
18159     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
18160     \expandafter\noexpand\csname l@#1\endcsname
18161     \noexpand\gdef
18162     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
18163       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
18164       \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
18165         \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
18166         \expandafter\noexpand\csname tocstyle@l@#1\endcsname
18167       }%
18168     }%
18169   \PackageInfo{tocstyle}{prepare \expandafter\string
18170     \csname l@#1\endcsname\space for redefinition}%
18171   \@tempa
18172 }

```



## 7.118 todonotes-xetex-bidi.def

```

18173 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
18174 \newif\if@bidi@todonotes@textdirection@RTL
18175 \newif\if@bidi@todonotes@figposition@right
18176 \newcommand{\@bidi@todonotes@align}{}%
18177 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
18178 \newcommand{\@bidi@todonotes@textdirection}{}%
18179 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
18180 \ifcase\@bidi@todonotes@tempb\relax
18181 \@bidi@todonotes@textdirection@RTLtrue
18182 \let\@bidi@todonotes@textdirection\RL
18183 \or
18184 \@bidi@todonotes@textdirection@RTLfalse
18185 \let\@bidi@todonotes@textdirection\LR
18186 \fi}
18187 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
18188 \ifcase\@bidi@todonotes@tempb\relax
18189 \@bidi@todonotes@figposition@righttrue
18190 \or
18191 \@bidi@todonotes@figposition@rightfalse
18192 \fi}
18193 \if@todonotes@disabled%
18194 \else % \if@todonotes@disabled
18195 \renewcommand{\@todonotes@drawInlineNote}{%
18196 \if@todonotes@dviStyle%
18197 {\par\noindent\begin{tikzpicture}[remember picture]%
18198 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
18199 \if@todonotes@authorgiven%
18200 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18201 \else%
18202 {\noindent \@todonotes@sizecommand \@todonotes@text}%
18203 \fi
18204 {\par\noindent\begin{tikzpicture}[remember picture]%
18205 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
18206 \else%
18207 {\par\noindent\begin{tikzpicture}[remember picture]%
18208 \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
18209 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
18210 \if@todonotes@authorgiven%
18211 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
18212 \else%
18213 {\noindent \@todonotes@sizecommand \@todonotes@text}%
18214 \fi};%
18215 \end{tikzpicture}\par}%
18216 \fi}%
18217 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
18218 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
18219 \node [coordinate] (inText) {};%
18220 \end{tikzpicture}%

```



```

18221 \marginpar[ {% Draw note in left margin
18222     \@todonotes@drawMarginNote%
18223     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
18224 }]{% Draw note in right margin
18225     \@todonotes@drawMarginNote%
18226     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
18227 }%
18228 }%
18229 \renewcommand{\@todonotes@drawMarginNote}{%
18230 \if@todonotes@dviStyle%
18231     \begin{tikzpicture}[remember picture]%
18232         \draw node[notestyle] {};%
18233     \end{tikzpicture}\\%
18234     \begin{minipage}{\@todonotes@textwidth}%
18235         \if@todonotes@authorgiven%
18236             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
18237         \else%
18238             \@todonotes@sizecommand \@todonotes@text%
18239         \fi%
18240     \end{minipage}\\%
18241     \begin{tikzpicture}[remember picture]%
18242         \draw node[notestyle] (inNote) {};%
18243     \end{tikzpicture}%
18244 \else%
18245     \let\originalHbadness\hbadness%
18246     \hbadness 100000%
18247     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
18248         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18249         \node(X){\vphantom{X}};%
18250         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@al
18251             {\@todonotes@text};%
18252         \if@todonotes@authorgiven%
18253             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18254                 {\@todonotes@sizecommand\@todonotes@author}};%
18255             \node(Y)[below=of X]{};%
18256             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18257                 {\@todonotes@text}};%
18258         \else%
18259             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
18260                 {\@todonotes@text}};%
18261         \fi%
18262     \end{tikzpicture}%
18263     \hbadness \originalHbadness%
18264 \fi}%
18265 \renewcommand{\missingfigure}[2][]{%
18266 \setkeys{todonotes}{#1}%
18267 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
18268 \par
18269 \noindent
18270 \begin{tikzpicture}

```





```

18271 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
18272   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
18273 \if@bidi@todonotes@figposition@right%
18274 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18275 \fi%
18276 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
18277   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
18278 \if@bidi@todonotes@figposition@right%
18279 \end{scope}
18280 \begin{scope}[xshift=-3.8cm]
18281 \fi%
18282 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
18283 \draw (2, -0.3) node[right, text
18284   width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
18285 \if@bidi@todonotes@figposition@right%
18286 \end{scope}
18287 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
18288 \fi%
18289 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18290 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
18291 \if@bidi@todonotes@figposition@right%
18292 \end{scope}
18293 \fi%
18294 \end{tikzpicture}}\hfill
18295 }% Ending \missingfigure command
18296 \fi % Ending \@todonotes@ifdisabled
18297 \presetkeys%
18298   {todonotes}%
18299   {align=left,%
18300    textdirection=lefttoright,%
18301    figposition=left}{}%

```

## 7.119 wrapfig-xetex-bidi.def

```

18302 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
18303 \let\WF@everypar\bidi@n@everypar
18304 \def\WF@putfigmaybe{%
18305 \ifinner
18306   \vskip-\parskip \global\WF@floatfalse
18307   \let\pagetotal\maxdimen % kludge flag for "not top of page"
18308 \else % outer page
18309   \@tempdima\pagedepth % save page depth
18310   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
18311   \penalty\interlinepenalty % update pg. parameters
18312   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
18313   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
18314     \global\WF@floatfalse
18315     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
18316   \else
18317     \ifdim\WF@size>\@tempdimb

```



```

18318     \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
18319     \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
18320     \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
18321     \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
18322     \advance\dimen@.5\baselineskip
18323     \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
18324     \global\WF@floatfalse \pagebreak
18325     \fi
18326     \else % \WF@info{Fits in \the\@tempdimb;}%
18327     \global\WF@floatfalse
18328     \fi\fi
18329     \vskip\@tempdima\relax % (return erased page depth)
18330 \fi
18331 \noindent
18332 \ifWF@float
18333   \WF@fltmes
18334 \else % putting here;
18335   \WF@info{Put \WF@wfname here;}%
18336   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
18337     \lccode~\lcode~\o~\r\else \lccode~\r\lccode~\o~\lfi
18338     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
18339   \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
18340     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
18341     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
18342     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
18343     \xdef\WF@adjlw{\the\@tempdima}%
18344     \ifnum ~l=\WF@place % fig on left
18345       \if@RTL%
18346         \kern\@tempdimb \kern\columnsep
18347         \def\@tempa{\hss}% position to left of the gap
18348         \else%
18349         \hss % figure overlaps space to the left
18350         \def\@tempa{\kern\columnsep}% position to left of the gap
18351         \fi%
18352     \else % fig on right
18353       \if@RTL%
18354         \hss
18355         \@tempdima\z@
18356         \def\@tempa{\kern\columnsep}
18357       \else%
18358       \@tempdima\z@ % no left indentation
18359       \kern\@tempdimb \kern\columnsep
18360       \def\@tempa{\hss}% figure overlaps space to the right
18361       \fi%
18362     \fi
18363     \ifdim\@tempdimb<\hsize
18364     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
18365     \xdef\WF@adjtlm{\the\@tempdima}%
18366     \else
18367     \xdef\WF@wrapil{\z@ \the\hsize}%

```



```

18368 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
18369 \fi
18370 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
18371 \global\advance\WF@size-\intextsep
18372 \else % \WF@info{Putting \WF@wfname in middle of page}%
18373 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
18374 \fi \dp\WF@box\z@ \box\WF@box \@tempa
18375 }% end \hbox to Opt
18376 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
18377 \fi}

```

## 7.120 xcolor-xetex-bidi.def

```

18378 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
18379 \long\def\color@b@x#1#2#3%
18380 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
18381 \setbox\z@\hbox{\kern\fbboxsep{\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
18382 \dimen@ht\z@advance\dimen@\fbboxsepht\z@\dimen@
18383 \dimen@dp\z@advance\dimen@\fbboxsepdp\z@\dimen@
18384 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
18385 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi
18386 \DeclareRobustCommand\color
18387 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}
18388 \def\@undeclaredcolor[#1]#2%
18389 {\begingroup
18390 \let\@cls\@empty
18391 \XC@getmodclr12{#1}{#2}{}%
18392 {\ifblendcolors
18393 \ifx\colorblend\@empty\else
18394 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
18395 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
18396 \fi
18397 \fi
18398 \ifconvertcolorsU
18399 \edef\@tmp{\XC@tgt@mod{\@mod}}%
18400 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18401 \fi
18402 \ifmaskcolors
18403 \convertcolorspec\@mod\@clr\XC@mmod\@clr
18404 \let\@mod\XC@mmod
18405 \XC@inflate\@mod\XC@mclr\@clr\@tmp
18406 \expandafter\XC@mul\@tmp,\@clr
18407 \fi
18408 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
18409 \expandafter\endgroup\@tmp}}
18410 \def\@declaredcolor#1%
18411 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
18412 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
18413 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
18414 \ifconvertcolorsU\XC@tsttrue\fi

```



```

18415 \fi
18416 \ifXC@@tst
18417 \expandafter\XC@declaredcolor\else
18418 \expandafter\XC@declaredcolor\fi}
18419 \def\XC@undeclaredcolor#1#2%
18420 {\ifundefinedmodel{#1}%
18421 {\color@error{model `#1'}}%
18422 {\@nameuse{color@#1}\current@color{#2}%
18423 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18424 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18425 \def\XC@declaredcolor
18426 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
18427 \edef\current@color{\XC@current@color}%
18428 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
18429 \DeclareRobustCommand\bidicolor
18430 {\ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
18431 \def\@bidiundeclaredcolor[#1]#2%
18432 {\begingroup
18433 \let\@cls\@empty
18434 \XC@getmodclr12{#1}{#2}{}%
18435 {\ifblendcolors
18436 \ifx\colorblend\@empty\else
18437 \edef\@mix{\expandafter\gobble\colorblend}\@tempwafalse
18438 \XC@coremodel\@mod\@clr\xcolor@{\}\@mod\@clr
18439 \fi
18440 \fi
18441 \ifconvertcolorsU
18442 \edef\@tmp{\XC@tgtmod{\@mod}}%
18443 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
18444 \fi
18445 \ifmaskcolors
18446 \convertcolorspec\@mod\@clr\XC@mmod\@clr
18447 \let\@mod\XC@mmod
18448 \XC@inflate\@mod\XC@mclr\@clr\@tmp
18449 \expandafter\XC@mul\@tmp,\@clr
18450 \fi
18451 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
18452 \expandafter\endgroup\@tmp}}
18453 \def\XC@bidiundeclaredcolor#1#2%
18454 {\ifundefinedmodel{#1}%
18455 {\color@error{model `#1'}}%
18456 {\@nameuse{color@#1}\current@color{#2}%
18457 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
18458 \XC@display}}
18459 \def\@bidideclaredcolor#1%
18460 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
18461 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
18462 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
18463 \ifconvertcolorsU\XC@@tsttrue\fi
18464 \fi

```



```

18465 \ifXC@tst
18466 \expandafter\XC@bidideclaredcolor\else
18467 \expandafter\XC@bidideclaredcolor\fi}
18468 \def\XC@bidideclaredcolor
18469 {\XC@split\XC@tmp
18470 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}}%
18471 \expandafter\endgroup\@tmp}
18472 \def\XC@bidideclaredcolor
18473 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
18474 \edef\current@color{\XC@current@color}%
18475 \XC@display}
18476 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
18477 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
18478 \def\color@fbbox#1#2#3#4%
18479 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
18480 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
18481 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 7.121 latex-xetex-bidi.def

```

18482 \ProvidesFile{latex-xetex-bidi.def}[2016/05/23 v1.2.6 bidi adaptations for `latex.ltx' for XeTeX]
18483 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
18484 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
18485 \TeXXeTOn
18486 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
18487 \let\bidi@o@everypar=\everypar
18488 \newtoks\bidi@n@everypar
18489 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
18490 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
18491 \let\everypar=\bidi@n@everypar
18492 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
18493 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
18494 \protected\def\hboxR{\hbox\bgroup
18495 \everyhbox{%
18496 \aftergroup\egroup
18497 \everyhbox{}}%
18498 \beginR
18499 \bgroup
18500 \aftergroup\endR
18501 \aftergroup\egroup
18502 }\hbox}
18503 \protected\def\hboxL{\hbox\bgroup
18504 \everyhbox{%
18505 \aftergroup\egroup
18506 \everyhbox{}}%
18507 \beginL
18508 \bgroup
18509 \aftergroup\endL
18510 \aftergroup\egroup
18511 }\hbox}

```



```

18512 \protected\def\ vboxR{\ vbox\bgroup
18513 \everyvbox{%
18514 \aftergroup\egroup
18515 \everyvbox{}}%
18516 \@RTLtrue
18517 \bgroup
18518 \aftergroup\egroup
18519 }\ vbox}
18520 \protected\def\ vboxL{\ vbox\bgroup
18521 \everyvbox{%
18522 \aftergroup\egroup
18523 \everyvbox{}}%
18524 \@RTLfalse
18525 \bgroup
18526 \aftergroup\egroup
18527 }\ vbox}
18528 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
18529 \def\endLTR{\par}
18530 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
18531 \def\endRTL{\par}
18532 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
18533 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
18534 \let\unsetRTL=\setLTR
18535 \let\unsetLTR=\setRTL
18536 \let\LR=\LRE
18537 \let\RL=\RLE
18538 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
18539 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
18540 \let\@ensure@RL=\@ensure@RTL
18541 \let\@ensure@LR=\@ensure@LTR
18542 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
18543 \let\@ensure@maindir=\@ensure@dir
18544 \def\@RTL{RTL}
18545 \def\@LTR{LTR}
18546 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
18547 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
18548 \let\@TeX\TeX
18549 \def\TeX{\@ensure@LTR{\@TeX}}
18550 \let\@LaTeX\LaTeX
18551 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
18552 \let\@LaTeXe\LaTeXe
18553 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
18554 \long\def\ bidi@reflect@box#1{%
18555 \leavevmode
18556 \setbox\z@\hbox{{#1}}%
18557 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
18558 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
18559 }
18560 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18561 \hbox{\kern-.125em\ bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}

```



```

18562 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
18563 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
18564 \let\setRL=\setRTL
18565 \let\setLR=\setLTR
18566 \let\unsetRL=\setLTR
18567 \def\ bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
18568 \@ifpackageloaded{array}{%
18569 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18570 \leavevmode
18571 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
18572 \let\dollarend\endgroup
18573 \@tabarray}
18574 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
18575 }{%
18576 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
18577 \leavevmode \hbox \bgroup
18578 $\left.\let\@acol\@tabacol
18579 \let\@classz\@tabclassz
18580 \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
18581
18582 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18583 \egroup\right\rbrace $\egroup
18584 \@RTLtabfalse}
18585 }
18586 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
18587 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
18588 \renewenvironment{RTLcases}{%
18589 \bidi@matrix@check\RTLcases\env@RTLcases
18590 }{%
18591 \endbidi@tabular@RTLcases%
18592 }
18593 \def\env@RTLcases{%
18594 \let\@ifnextchar\ bidi@new@ifnextchar
18595 \def\arraystretch{1.2}%
18596 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
18597 }
18598 \def\SepMark#1{\gdef\@SepMark{#1}}
18599 \SepMark{.}
18600 \def\@thmcountersep{\@SepMark}
18601 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
18602 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
18603 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
18604 \def\list#1#2{%
18605 \ifnum \@listdepth >5\relax
18606 \@toodeep
18607 \else
18608 \global\advance\@listdepth\@ne
18609 \fi
18610 \rightmargin\z@
18611 \listparindent\z@

```



```

18612 \itemindent\z@
18613 \csname @list\romannumeral\the\@listdepth\endcsname
18614 \def\@itemlabel{#1}%
18615 \let\makelabel\@mklab
18616 \@nmblistfalse
18617 #2\relax
18618 \@trivlist
18619 \parskip\parsep
18620 \parindent\listparindent
18621 \advance\linewidth -\rightmargin
18622 \advance\linewidth -\leftmargin
18623 \if@bidi@list@minipage@parbox
18624 \if@RTL
18625 \advance\@totalleftmargin \leftmargin
18626 \else
18627 \advance\@totalleftmargin \rightmargin
18628 \fi
18629 \else
18630 \if@RTLtab
18631 \if@bidi@list@minipage@parbox@not@nob
18632 \if@RTL
18633 \advance\@totalleftmargin \rightmargin
18634 \else
18635 \advance\@totalleftmargin \leftmargin
18636 \fi
18637 \else
18638 \if@RTL
18639 \advance\@totalleftmargin \leftmargin
18640 \else
18641 \advance\@totalleftmargin \rightmargin
18642 \fi\fi
18643 \else
18644 \if@RTL
18645 \advance\@totalleftmargin \rightmargin
18646 \else
18647 \advance\@totalleftmargin \leftmargin
18648 \fi\fi\fi
18649 \parshape \@ne \@totalleftmargin \linewidth
18650 \ignorespaces}
18651 \long\def\@iiiparbox#1#2[#3]#4#5{%
18652 \leavevmode
18653 \@pboxswfalse
18654 \if@RTLtab@bidi@list@minipage@parbox@not@nobtrue\fi
18655 \if@RTL\if#1t@bidi@list@minipage@parboxtrue\else\if#1b@bidi@list@minipage@parboxtrue\fi\fi
18656 \setlength\@tempdima{#4}%
18657 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
18658 \ifx\relax#2\else
18659 \setlength\@tempdimb{#2}%
18660 \edef\@parboxto{to\the\@tempdimb}%
18661 \fi

```





```

18662 \if#1b\vbox
18663 \else\if #1t\vtop
18664 \else\ifmode\vcenter
18665 \else\@pboxswtrue $\vcenter
18666 \fi\fi\fi
18667 \@parboxto{\let\hss\vss\let\unhbox\unvbox
18668 \csname bm@#3\endcsname}%
18669 \if@pboxsw \m@th$\fi
18670 \@end@tempboxa}
18671 \def\@bidi@lrbox#1{%
18672 \edef\reserved@a{%
18673 \endgroup
18674 \setbox#1\hbox{%
18675 \begingroup\aftergroup}%
18676 \def\noexpand\@currentenv{\@currentenv}%
18677 \def\noexpand\@currentline{\on@line}}%
18678 \reserved@a
18679 \@endpefalse
18680 \color@begingroup
18681 \ignorespaces}
18682 \def\@endbidi@lrbox{\unskip\color@endgroup}
18683 \newenvironment{LTRitems}
18684 {\par\@RTLfalse
18685 \if@bidi@list@minipage@parbox
18686 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18687 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18688 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18689 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18690 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18691 \ignorespaces}{\vskip\z@}
18692 \newenvironment{RTLitems}
18693 {\par\@RTLtrue
18694 \if@bidi@list@minipage@parbox
18695 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18696 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18697 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18698 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18699 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18700 \ignorespaces}{\vskip\z@}
18701 \newenvironment{LTRbibitems}
18702 {\par\@RTLfalse
18703 \if@bidi@list@minipage@parbox
18704 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
18705 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18706 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
18707 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
18708 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
18709 \ignorespaces}{\vskip\z@}
18710 \newenvironment{RTLbibitems}
18711 {\par\@RTLtrue

```



```

18712             \if@bidi@list@minipage@parbox
18713             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
18714             \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
18715             \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
18716             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
18717             \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
18718             \ignorespaces}{\vskip\z@}
18719 \def\raggedright{%
18720 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
18721 \leftskip\z@skip
18722 \parindent\z@\parfillskip\z@skip}
18723 \let\ bidi@orig@raggedleft\raggedleft
18724 \let\ bidi@orig@raggedright\raggedright
18725 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\ bidi@orig@raggedright\else\if@RTLtab\b
18726 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\ bidi@orig@raggedleft\else\if@RTLtab\b
18727 \newcommand{\ bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
18728 \newcommand{\ bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
18729 \def\centerline#1{%
18730 \if@RTL\@@line{\hss\beginR#1\endR\hss}
18731 \else\@@line{\hss#1\hss}\fi}
18732 \def\leftline#1{%
18733 \if@RTL\@@line{\beginR#1\endR\hss}
18734 \else\@@line{#1\hss}\fi}
18735 \def\rightline#1{%
18736 \if@RTL\@@line{\hss\beginR#1\endR}
18737 \else\@@line{\hss#1}\fi}
18738 \let\ bidi@orig@leftline\leftline
18739 \let\ bidi@orig@rightline\rightline
18740 \def\leftline#1{\ifhmode\if@RTL\ bidi@orig@rightline{#1}\else\ bidi@orig@leftline{#1}\fi\else\i
18741 \def\rightline#1{\ifhmode\if@RTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rightline{#1}\fi\else\
18742 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
18743 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
18744 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
18745 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
18746 \def\narrower{%
18747 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
18748 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
18749 \def\underline#1{%
18750 \relax
18751 \ifmmode\@@underline{#1}%
18752 \else
18753 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
18754 \else
18755 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
18756 \if@compatibility
18757 \let\undertext=\underline
18758 \fi
18759 \global\@RTLtabfalse
18760 \def\@tabular{\if@RTL\@RTLtabtrue\fi
18761 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi

```



```

18762 $\let\@acol\@tabacol
18763 \let\@classz\@tabclassz
18764 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
18765 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18766 \egroup $\if@RTLtab\endR\fi\egroup
18767 \@RTLtabfalse}
18768 \expandafter \let \csname endtabular*\endcsname = \endtabular
18769 \def\@array[#1]#2{%
18770 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18771 \bgroup
18772 \setbox\@arstrutbox\hbox{%
18773 \vrule \@height\arraystretch\ht\strutbox
18774 \@depth\arraystretch \dp\strutbox
18775 \@width\z@}%
18776 \mkpream{#2}%
18777 \edef\@preamble{%
18778 \ialign \noexpand\@halignto
18779 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18780 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18781 \let\tabularnewline\\%
18782 \let\par\@empty
18783 \let\@sharp##%
18784 \set@typeset@protect
18785 \lineskip\z@skip\baselineskip\z@skip
18786 \ifhmode \@preamerr\z@ \@par\fi
18787 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
18788 \@preamble}
18789 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
18790 \let\@classiv\@arrayclassiv
18791 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
18792 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
18793 \ifnum \@lastchclass=3 5 \else
18794 \z@ \if #1c\@chnum \z@ \else
18795 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
18796 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
18797 \@chclass \if #1l\@ne \else
18798 \if #1@tw@ \else
18799 \if #1p3 \else \z@ \@preamerr 0\fi
18800 \fi \fi \fi \fi \fi \fi
18801 \fi}
18802 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
18803 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
18804 \def\bm@t{\unhbox\@tempboxa\hss}
18805 \def\bm@b{\hss\unhbox\@tempboxa}
18806 \def\@dottedtocline#1#2#3#4#5{%
18807 \ifnum #1>\c@tocdepth \else
18808 \vskip \z@ \@plus.2\p@
18809 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
18810 \parindent #2\relax\@afterindenttrue
18811 \interlinepenalty\@M

```



```

18812 \leavevmode
18813 \@tempdima #3\relax
18814 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
18815 {#4}\nobreak
18816 \leaders\hbox{$\m@th
18817 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
18818 mu$}\hfill
18819 \nobreak
18820 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
18821 \par}%
18822 \fi}
18823
18824
18825 \def\RTL@outputdblcol{%
18826 \if@firstcolumn
18827 \global\@firstcolumnfalse
18828 \global\setbox\@leftcolumn\copy\@outputbox
18829 \splitmaxdepth\maxdimen
18830 \vbadness\maxdimen
18831 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
18832 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
18833 \toks@\expandafter{\topmark}%
18834 \xdef\@firstcoltopmark{\the\toks@}%
18835 \toks@\expandafter{\splitfirstmark}%
18836 \xdef\@firstcolfirstmark{\the\toks@}%
18837 \ifx\@firstcolfirstmark\@empty
18838 \global\let\@setmarks\relax
18839 \else
18840 \gdef\@setmarks{%
18841 \let\firstmark\@firstcolfirstmark
18842 \let\topmark\@firstcoltopmark}%
18843 \fi
18844 \else
18845 \global\@firstcolumntrue
18846 \setbox\@outputbox\vbox{%
18847 \hb@xt@\textwidth{%
18848 \hskip \columnwidth
18849 \hfil
18850 {\normalcolor\vrule \@width\columnseprule}%
18851 \hfil
18852 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
18853 \hskip -\textwidth
18854 \hb@xt@\columnwidth{\box\@outputbox \hss}%
18855 \hskip \columnsep
18856 \hskip \columnwidth }}%
18857 \@combinedblfloats
18858 \setmarks
18859 \outputpage
18860 \begingroup
18861 \dblfloatplacement

```



```

18862     \@startdblcolumn
18863     \@whilesw\if@fcolmade \fi{\@outputpage
18864     \@startdblcolumn}%
18865     \endgroup
18866 \fi}%
18867
18868 \def\LTR@outputdblcol{%
18869   \if@firstcolumn
18870     \global\@firstcolumnfalse
18871     \global\setbox\@leftcolumn\copy\@outputbox
18872     \splitmaxdepth\maxdimen
18873     \vbadness\maxdimen
18874     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
18875     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
18876     \toks@{\expandafter{\topmark}}%
18877     \xdef\@firstcoltopmark{\the\toks@}%
18878     \toks@{\expandafter{\splitfirstmark}}%
18879     \xdef\@firstcolfirstmark{\the\toks@}%
18880     \ifx\@firstcolfirstmark\@empty
18881       \global\let\@setmarks\relax
18882     \else
18883       \gdef\@setmarks{%
18884         \let\firstmark\@firstcolfirstmark
18885         \let\topmark\@firstcoltopmark}%
18886     \fi
18887   \else
18888     \global\@firstcolumntrue
18889     \setbox\@outputbox\vbox{%
18890       \hb@xt@\textwidth{%
18891         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
18892         \hfil
18893         {\normalcolor\vrule \@width\columnseprule}%
18894         \hfil
18895         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
18896   \@combinedblfloats
18897   \@setmarks
18898   \@outputpage
18899   \beginingroup
18900     \@dblfloatplacement
18901     \@startdblcolumn
18902     \@whilesw\if@fcolmade \fi{\@outputpage
18903     \@startdblcolumn}%
18904   \endgroup
18905 \fi}%
18906
18907
18908 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
18909 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
18910 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
18911 \def\LTRmarginpar{%

```



```

18912 \ifhmode
18913   \@bsphack
18914   \@floatpenalty -\@Mii
18915 \else
18916   \@floatpenalty-\@Miii
18917 \fi
18918 \ifinner
18919   \@parmoderr
18920   \@floatpenalty\z@
18921 \else
18922   \@next\@currbox\@freelist{}\}%
18923   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18924   {\@floatpenalty\z@
18925     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18926 \fi
18927 \@ifnextchar [\@LTRxmpar\@LTRympar}
18928 \long\def\@LTRxmpar[#1]#2{%
18929   \@LTRsavemarbox\@marbox{#1}%
18930   \@LTRsavemarbox\@currbox{#2}%
18931   \@xympar}
18932 \long\def\@LTRympar#1{%
18933   \@LTRsavemarbox\@marbox{#1}%
18934   \global\setbox\@currbox\copy\@marbox
18935   \@xympar}
18936 \long\def \@LTRsavemarbox #1#2{%
18937   \global\setbox #1%
18938     \color@vbox
18939     \vtop{%
18940       \hsize\marginparwidth
18941       \@parboxrestore
18942       \@LTRmarginparreset
18943       #2%
18944       \@minipagefalse
18945       \outer@nobreak
18946     }%
18947   \color@endbox
18948 }
18949 \def \@LTRmarginparreset {%
18950   \reset@font
18951   \normalsize
18952   \@minipagetrue
18953   \everypar{\@minipagefalse\everypar{}\beginL}%
18954 }
18955 \def\RTLmarginpar{%
18956   \ifhmode
18957     \@bsphack
18958     \@floatpenalty -\@Mii
18959   \else
18960     \@floatpenalty-\@Miii
18961   \fi

```



```

18962 \ifinner
18963 \@parmoderr
18964 \@floatpenalty\z@
18965 \else
18966 \@next\@currbox\@freelist{}\}%
18967 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
18968 {\@floatpenalty\z@
18969 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
18970 \fi
18971 \@ifnextchar [\@RTLxmpar\@RTLympar}
18972 \long\def\@RTLxmpar[#1]#2{%
18973 \@RTLSavemarbox\@marbox{#1}%
18974 \@RTLSavemarbox\@currbox{#2}%
18975 \@xympar}
18976 \long\def\@RTLympar#1{%
18977 \@RTLSavemarbox\@marbox{#1}%
18978 \global\setbox\@currbox\copy\@marbox
18979 \@xympar}
18980 \long\def \@RTLSavemarbox #1#2{%
18981 \global\setbox #1%
18982 \color@vbox
18983 \vtop{%
18984 \hsize\marginparwidth
18985 \@parboxrestore
18986 \@RTLmarginparreset
18987 #2%
18988 \@minipagefalse
18989 \outer@nobreak
18990 }%
18991 \color@endbox
18992 }
18993 \def \@RTLmarginparreset {%
18994 \reset@font
18995 \normalsize
18996 \@minipagetrue
18997 \everypar{\@minipagefalse\everypar{}\beginR}%
18998 }
18999 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
19000 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
19001 \if@twocolumn
19002 \if@firstcolumn \@tempcnta\m@ne \fi
19003 \else
19004 \if@mparswitch
19005 \ifodd\c@page \else\@tempcnta\m@ne \fi
19006 \fi
19007 \if@reversemargin \@tempcnta -\@tempcnta \fi
19008 \fi
19009 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
19010 \@tempdima\@mparbottom
19011 \advance\@tempdima -\@pageht

```



```

19012 \advance\@tempdima\ht\@marbox
19013 \ifdim\@tempdima >\z@
19014 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
19015 \else
19016 \@tempdima\z@
19017 \fi
19018 \global\@mparbottom\@pageht
19019 \global\advance\@mparbottom\@tempdima
19020 \global\advance\@mparbottom\dp\@marbox
19021 \global\advance\@mparbottom\marginparpush
19022 \advance\@tempdima -\ht\@marbox
19023 \global\setbox \@marbox
19024 \vbox {\vskip \@tempdima
19025 \box \@marbox}%
19026 \global \ht\@marbox \z@
19027 \global \dp\@marbox \z@
19028 \kern -\@pagedp
19029 \nointerlineskip
19030 \hb@xt@\columnwidth
19031 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
19032 \hskip\columnwidth \hskip\marginparsep
19033 \else
19034 \hskip -\marginparsep \hskip -\marginparwidth
19035 \fi
19036 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
19037 \nointerlineskip
19038 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
19039 \long\def\@ympar#1{%
19040 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
19041 \global\setbox\@currbox\copy\@marbox
19042 \@xympar}
19043 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
19044 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
19045 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
19046 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
19047 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
19048 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
19049 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
19050 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
19051 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
19052 \fi}
19053 \def\@outputpage{%
19054 \begingroup % the \endgroup is put in by \aftergroup
19055 \let \protect \noexpand
19056 \@resetactivechars
19057 \global\let\@@if@newlist\if@newlist
19058 \global\@newlistfalse
19059 \@parboxrestore
19060 \shipout \vbox{%
19061 \set@typeset@protect

```





```

19062 \aftergroup \endgroup
19063 \aftergroup \set@typeset@protect
19064                                     % correct? or just restore by ending
19065                                     % the group?
19066 \if@specialpage
19067   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
19068 \fi
19069 \if@twoside
19070   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
19071   \let\@themargin\oddsidemargin
19072   \else \let\@thehead\@evenhead
19073   \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
19074 \fi
19075 \ifx\@thehead\@empty \let\@thehead\hfil \fi
19076 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
19077 \else %% not @twoside
19078   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
19079   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
19080 \fi
19081 \reset@font
19082 \normalsize
19083 \normalsfcodes
19084 \let\label\@gobble
19085 \let\index\@gobble
19086 \let\glossary\@gobble
19087 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
19088 \@begindvi
19089 \vskip \topmargin
19090 \moveright\@themargin \vbox {%
19091   \setbox\@tempboxa \vbox to\headheight{%
19092     \vfil
19093     \color@hbox
19094     \normalcolor
19095     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain
19096     \color@endbox
19097   }%
19098   \dp\@tempboxa \z@
19099   \box\@tempboxa
19100   \vskip \headsep
19101   \box\@outputbox
19102   \baselineskip \footskip
19103   \color@hbox
19104   \normalcolor
19105   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain
19106   \color@endbox
19107 }%
19108 }%
19109 \global\let\if@newlist\@if@newlist
19110 \global \@colht \textheight
19111 \stepcounter{page}%

```



```

19112 \let\firstmark\botmark
19113 }
19114 \long\def\@makecaption#1#2{%
19115 \vskip\abovecaptionskip
19116 \sbox\@tempboxa{#1: #2}%
19117 \ifdim \wd\@tempboxa >\hsize
19118 \ifRTL\beginR\fi#1: #2\ifRTL\endR\fi\par
19119 \else
19120 \global \@minipagefalse
19121 \hb@xt@\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}%
19122 \fi
19123 \vskip\belowcaptionskip}
19124 \let\@bidi@saved@eqno=\eqno
19125 \let\@bidi@saved@leqno=\leqno
19126 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
19127 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
19128 \@ifpackageloaded{amsmath}{-}{-}
19129 \def\@eqnnum{\normalfont \normalcolor \ifRTL\beginR\fi(\theequation)\ifRTL\endR\fi}
19130 }
19131 \input{footnote-xetex-bidi.def}
19132 \if@twocolumn
19133 \let\autofootnoterule\relax
19134 \let\leftfootnoterule\relax
19135 \let\rightfootnoterule\relax
19136 \textwidthfootnoterule
19137 \fi
19138 \if@bidi@csundef{\@idxitem}{-}{%
19139 \renewcommand\@idxitem{\par\hangindent \ifRTL-\fi40\p}%
19140 }
19141 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{-}
19142 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
19143 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
19144 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
19145 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
19146 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
19147 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}
19148 \@ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{-}
19149 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{-}
19150 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{-}
19151 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{-}
19152 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{-}
19153 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{-}
19154 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{-}
19155 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{-}
19156 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{-}
19157 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{-}
19158 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{-}
19159 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{-}
19160 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{-}
19161 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{-}

```



```

19162 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
19163 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}{}
19164 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}{}
19165 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}{}
19166 \@ifpackageloaded{amsmath}{}{}%
19167 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}{}
19168 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}{}
19169 }
19170 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}{}
19171 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}{}
19172 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}{}
19173 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}{}
19174 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}{}
19175 \@ifpackagewith{algorithm2e}{algonl}{%
19176 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Algo
19177 }{}
19178 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}{}
19179 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}{}
19180 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}{}
19181 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}{}
19182 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}{}
19183 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}{}
19184 \@ifpackageloaded{animate}{\input{animate-xetex-bidi.def}}{}{}
19185 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}{}
19186 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}{}
19187 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}{}
19188 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}{}
19189 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}{}
19190 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{}{\input{crop-xetex-bidi.def}}{}{}
19191 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}{}
19192 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}{}
19193 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}{}
19194 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}{}
19195 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}{}
19196 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{}{\input{float-xetex-bidi.def}}{}{}
19197 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}{}
19198 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}{}
19199 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}{}
19200 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}{}
19201 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}{}
19202 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}{}
19203 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}{}
19204 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}{}
19205 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}{}
19206 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}{}
19207 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}{}
19208 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}{}
19209 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}{}
19210 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}{}
19211 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}{}

```



```

19212 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
19213 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
19214 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
19215 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
19216 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
19217 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
19218 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
19219 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
19220 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
19221 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
19222 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
19223 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
19224 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
19225 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
19226 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
19227 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
19228 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
19229 \@ifpackagewith{sidecap}{innercaption}{%
19230 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
19231 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
19232 \renewcommand*\SC@justify@caption{%
19233 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
19234 \renewcommand*\SC@FLOAT[2]{%
19235 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
19236 \renewcommand*\SC@justify@caption{%
19237 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
19238 }{}
19239 \@ifpackagewith{sidecap}{rightcaption}{%
19240 \if@RTL\renewcommand*\SC@FLOAT[2]{{#1}\hspace{\sidecaptionsep}{#2}}
19241 \def\SC@justify@caption{\RaggedLeft}\else%
19242 \renewcommand*\SC@FLOAT[2]{{#2}\hspace{\sidecaptionsep}{#1}}
19243 \def\SC@justify@caption{\RaggedRight}\fi%
19244 }{}
19245 \@ifpackagewith{sidecap}{leftcaption}{%
19246 \if@RTL \renewcommand*\SC@FLOAT[2]{{#2}\hspace{\sidecaptionsep}{#1}}
19247 \def\SC@justify@caption{\RaggedRight}\else%
19248 \renewcommand*\SC@FLOAT[2]{{#1}\hspace{\sidecaptionsep}{#2}}
19249 \def\SC@justify@caption{\RaggedLeft}\fi%
19250 }{}
19251 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
19252 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
19253 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
19254 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
19255 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
19256 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
19257 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
19258 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
19259 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
19260 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
19261 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}

```



```

19262 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
19263 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
19264 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
19265 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
19266 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
19267 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
19268 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
19269 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
19270 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
19271 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
19272 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

## 7.122 xltextra-xetex-bidi.def

```

19273 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
19274 \let\@XeTeX\XeTeX
19275 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
19276 \let\@XeLaTeX\XeLaTeX
19277 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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\% ..... 10726	\= ..... 10846, 12576, 14422, 14436	\@@bidi@PreventPackageFromLoading .. 3422, 3424, 3426
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## 9 Change History

v13.9	General: Added implementaion of the package. . . . .	o	toc, lot, lof, etc with multicol package. . . . .	305	
v14.2	General: Fixed the wrong order of		v14.3	General: Removed \leavevmode to avoid extra \par. . . . .	140

